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# Project Initiation Notification System (PINS)

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

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## ADA (Organization) (American Dental Association)

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### **National Adoption**

BSR/ADA Standard No. 1058-202x, Dentistry - Forensic Dental Data Set (national adoption of ISO 20888:2020 with modifications and revision of ANSI/ADA Standard No. 1058-2010 (R2020))

Stakeholders: Dentists, forensic odontologists, law enforcement and government forensics agencies

Project Need: The rationale for the revision is to synchronize the standard with the international standard and to incorporate standards that have been published since the approval of this standard.

Interest Categories: Consumer, Producer, General Interest

The purpose of this standard is to provide uniform nomenclature for the description of forensic dental data and define a standardized set of uniform terms to convey this information. This standard meets the requirement to support the goal of interoperability between dental systems or dental-medical systems.

## ADA (Organization) (American Dental Association)

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### **National Adoption**

BSR/ADA Standard No. 145-202x, Dentistry - Interoperability of CAD/CAM Systems (identical national adoption of ISO 18618:2022 and revision of ANSI/ADA Standard No. 145-2020)

Stakeholders: Manufacturers, dentists

Project Need: ANSI/ADA 145:2020 was an identical adoption of ISO 18618:2018. ISO 18618:2022 has been technically revised and updated from the 2020 version. The main change compared to the previous edition is: the XML schema for IDS (interface for dental CAD/CAM systems) and the examples of interoperability of dental products relating to dental implant systems, removables, dental appliances and orthodontics have been updated in Annex A, due to the fast nature of the software system innovation and the need for ongoing testing.

Interest Categories: Consumer, Producer, General Interest

This document specifies an extensible markup language (XML) format to facilitate the transfer of dental case data and CAD/CAM data between software systems.

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**National Adoption**

BSR/ADA Standard No. 180-202x, Dentistry - Test Methods for Rotary Instruments (identical national adoption of ISO 8325:2023)

Stakeholders: Manufacturers, dentists

Project Need: The ADA wishes to identically adopt for the U.S. this standard for test methods for rotary Instruments that has been approved by the U.S. TAG to ISO/TC 106 Dentistry. This standard is an update of the 2004 standard of the same name and incorporates better geometry of neck strength measurements

Interest Categories: Consumer, Producer, General Interest

This document specifies general test methods for rotary instruments used in dentistry. These test methods are used for measuring the dimensional characteristics, neck strength and surface roughness of rotary instruments, such as burs, cutters, polishers, grinding instruments and rotary instruments used for oral surgery such as drills and countersinks.

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**New Standard**

BSR/ADA Standard No. 208-202x, Dentistry - Polymeric Shape-Memory Materials Used to Produce Orthodontic Appliances and Craniofacial Orthotics (new standard)

Stakeholders: Dentists, manufacturers

Project Need: Increasingly, polymeric shape-memory (i.e., smart) materials are being studied for potential dental and craniofacial applications, such as orthodontic aligners, tooth positioners, nasoalveolar molding appliances and cranial orthotics. Generally, polymeric shape-memory materials are stimuli responsive materials that have the capacity of changing their shape with the application of an external stimuli, such as temperature, humidity, pH, etc. Standardized definitions, test methods, reporting, and packaging and labeling are needed to assist in the choice of materials for clinical interventions.

Interest Categories: Consumer, General Interest, Producer

The goal of this project is to produce a standard document that will characterize polymeric shape-memory materials for use in dental applications. The standard document will classify the materials and set requirements, sampling, test methods, and packaging and labeling. Some material characteristics of interest are thermal behavior; flexibility and elasticity; responsiveness to stimuli including moisture; strength and toughness; esthetics; ease of fabrication; toxicity, etc.

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**National Adoption**

BSR/ADA Standard No. 209-202x, Dentistry – Test Method for the Evaluation of High Temperature Sintering Furnace Measurement with a Separate Thermocouple (identical national adoption of ISO 13078-3:2023)

Stakeholders: Manufacturers, dentists, dental technicians and dental laboratories

Project Need: The ADA wishes to identically adopt for the U.S. this standard for a test method for the evaluation of high temperature sintering furnace measurement that that has been approved by the U.S. TAG to ISO/TC 106 Dentistry.

Interest Categories: Consumer, Producer, General Interest

This document specifies a test method for the calibration of resistance-heated high temperature sintering furnaces that are suitable for the sintering of dental restorations in the temperature range up to 1700 °C.

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***New Standard***

BSR/ADA Standard No. 210-202x, Dentistry - Translucency of Dental Ceramics (new standard)

Stakeholders: Manufacturers, dentists, dental technicians and dental laboratories

Project Need: The translucency value of dental ceramics is an important factor in selecting a material to best match that of the existing dentition. At this time there is no standard for measuring translucency of dental ceramics. Manufacturers label materials with a variety of translucency descriptions (translucent, extra translucent, super translucent, extreme translucent) without a standard translucency method. Selection of the correct material for a specific clinical indication would be facilitated with a standardized translucency measurement.

Interest Categories: Consumer, Producer, General Interest

This standard specifies the requirements and test methods for measuring the translucency of ceramic materials for dental restorations and prostheses.

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***National Adoption***

BSR/ADA Standard No. 212-202x, Dentistry - Powder Jet Handpieces and Powders (identical national adoption of ISO 20608:2018)

Stakeholders: Manufacturers, dentists

Project Need: The ADA wishes to identically adopt for the U.S. this standard for powder jet handpieces and powders that has been approved by the U.S. TAG to ISO/TC 106 Dentistry.

Interest Categories: Consumer, Producer, General Interest

This document specifies the general requirements, test methods, manufacturer's information, marking and packaging, independently of the design of the powder jet handpieces and their associated powders for use in dentistry.

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***National Adoption***

BSR/ADA Standard No. 213-202x, Dentistry - Intra Oral Camera (identical national adoption of ISO 23450:2021)

Stakeholders: Manufacturers, dentists

Project Need: The ADA wishes to identically adopt for the U.S. this standard for intra oral cameras that has been approved by the U.S. TAG to ISO/TC 106 Dentistry.

Interest Categories: Consumer, Producer, General Interest

This document specifies requirements and test methods for intraoral cameras used in dentistry on patients for pictorial representation of oral cavities in order to support diagnosis and facilitate patient information. It specifies requirements, test methods, instructions for use, and marking.

**ADA (Organization) (American Dental Association)**

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**National Adoption**

BSR/ADA Standard No. 73-202x, Dentistry - Endodontic Absorbent Points (identical national adoption of ISO 7551:2023 and revision of ANSI/ADA Standard No. 73-2008 (R2020))

Stakeholders: Dentists, manufacturers, distributors

Project Need: ANSI/ADA Standard No. 73:2008 does not include the newer design of absorbent points that have tapers larger than 2% or variable tapers. The designations of the diameters have been updated and an informative figure has been restored. The format for ISO 7551 has been updated from the 1997 version to be contemporary with other standards, including those for endodontic instruments (ISO 3630) and obturation devices (ADA Standard No. 78/ISO 6877).

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements and test methods for sterilized absorbent points used in endodontic procedures. Absorbent points are marketed sterilized or non-sterilized. The requirements apply to absorbent points which have been sterilized once in a manner approved by the manufacturer. This document specifies numerical systems and a color-coding system for designating the sizes of absorbent points.

**ASTM (ASTM International)**

Laura Klineburger <[accreditation@astm.org](mailto:accreditation@astm.org)> | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 [www.astm.org](http://www.astm.org)

**New Standard**

BSR/ASTM E1020-202x, Standard Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (new standard)

Stakeholders: Forensic Science experts, individuals responsible for the preparation and reporting relating to physical evidence for forensic purposes

Project Need: This is a standard that was previously an approved ANS which was withdrawn. The committee is balloting the standard for reinstatement with revisions and seeks to have it approved as an ANS. Several changes have been made towards improving the standard. The intent of this standard is to assist scene people who are generating reports of incidents and to give a framework for the minimum information needed in such reports.

Interest Categories: Producers, Users, General Interest

This practice covers guidelines for the collection and preservation of information and physical evidence and the preparation of a documentation report relative to any incident(s) involving personal injury, property damage, commercial loss, or criminal acts which may reasonably be expected to be the subject of litigation.

**ASTM (ASTM International)**

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**New Standard**

BSR/ASTM WK87218-202x, New Test Methods for Evaluating the ability of roof vents to resist the entry of flames and wind-driven burning embers (new standard)

Stakeholders: External Fire Exposures Industry

Project Need: The current vent standard (E2886) does not allow for roof vents due to the size of the apparatus and relatively large roof vents. Experiments have been performed on commercially-available roof vents, showing a robust fire environment for these tests.

Interest Categories: Producer, User, General Interest

This fire standard prescribes two individual methods to evaluate the ability of roof vents designed to limit entry of flames and ember penetration into the attic space. This current version is limited to only roof field vents, though could be extended to ridge vents with further research. Acceptance criteria are not provided in this standard.

**CSA (CSA America Standards Inc.)**

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**Revision**

BSR/CSA/Z21.78/CSA 6.20-202x, Combination Gas Controls for Gas Appliances (same as CSA 6.20) (revision of ANSI Z21.78-2010 (R2020)/CSA 6.20-2010 (R2020))

Stakeholders: Manufacturing, Certification

Project Need: To support innovation in the field of gas appliances and accessories by providing updated requirements for combination gas controls in the North American context.

Interest Categories: Consumer/User Interest; Fuel Supplier; Research/Testing; General Interest; Manufacturing; Regulatory Authority

This Standard applies to newly produced combination gas controls.

**CTA (Consumer Technology Association)**

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**New Standard**

BSR/CTA 2126-202x, Guidelines for the National Cybersecurity Label Conformity and Trust Programs (new standard)

Stakeholders: Consumers, manufacturers, and retailers

Project Need: There is a need to define the various trust mechanisms to be used as part of the U.S. Cyber Trust Mark.

Interest Categories: General interest, users, and producers

This document will provide guidance regarding trust mechanisms for a range of programs including third party conformity assessment, alliance and proprietary certification, and suppliers declaration of conformity for the U.S. Cyber Trust Mark program.

**EMAP (Emergency Management Accreditation Program)**

Nicole Ishmael <[nishmael@emap.org](mailto:nishmael@emap.org)> | 201 Park Washington Court | Falls Church, VA 22046-4527 [www.emap.org](http://www.emap.org)

**Revision**

BSR/EMAP EMS 5-202x, Emergency Management Standard (revision of ANSI/EMAP EMS 5-2022)

Stakeholders: Emergency Management and Homeland Security Programs

Project Need: There is a need for comprehensive, programmatic standards to outline necessary components of emergency management and homeland security programs.

Interest Categories: (1) Public Representatives: An individual that serves within a public or government emergency management or public safety program; (2) Private Representatives: An individual or entity that serves within a privately owned business, directly related to or in the service of the emergency management or public safety field; and (3) General Interest: The category of General Interest is comprised of members who may use EMAP policy, direction, and standards in further application of prevention and protection measures for specific populations and/or specific critical functions.

The Standard will outline programmatic areas with Standards underneath that outline the necessary components of a comprehensive emergency management and homeland security program. The Standards will include all phases of emergency management to include prevention, preparedness, mitigation, response and recovery activities. The programmatic areas will include such things as Program Management, Hazard Identification and Risk Assessment, Hazard Mitigation, Prevention, Planning, Incident Management, Resource Management, Communications, Facilities, Training and Exercise and Emergency Public Information and Education. The Standard will not be considered an ISO, IEC or ISO/IEC JTC-1 Standard.

## **EMAP (Emergency Management Accreditation Program)**

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### **Revision**

BSR/EMAP US&R 2-202x, Urban Search & Rescue Standard (revision of ANSI/EMAP US&R 2-2022)

Stakeholders: Urban Search & Rescue Teams

Project Need: There is a need for comprehensive, programmatic standards to outline necessary components of urban search and rescue teams.

Interest Categories: (1) Public Representatives: An individual that serves within a public or government emergency management or public safety program; (2) Private Representatives: An individual or entity that serves within a privately owned business, directly related to or in the service of the emergency management or public safety field; and (3) General Interest: The category of General Interest is comprised of members who may use EMAP policy, direction, and standards in further application of prevention and protection measures for specific populations and/or specific critical functions.

The Standard will outline resource areas with Standards underneath that outline the necessary components of a comprehensive urban search and rescue team. The Standards will include criteria for administration, operational, and logistics readiness activities. The resource areas will include Program Management, Finance, Planning and Procedures, Incident Management, Alert and Mobilization, Training and Exercises, and Resource Management and Logistics. The Standard will not be considered an ISO, IEC, or ISO/IEC JTC-1 Standard.

## **IEEE (Institute of Electrical and Electronics Engineers)**

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### **Revision**

BSR/IEEE 1844-202x, Standard Test Procedure for Determining Circuit Integrity Performance of Fire Resistive Cables in Nuclear Facilities (revision of ANSI/IEEE 1844-2015)

Stakeholders: Nuclear facilities, cable manufacturers, and nuclear engineering design entities or nuclear architect engineering companies

Project Need: IEEE revision cycle update by 2025. Standard also requires update based on advances in methods prescribed in industry standards including (UL 2196). This revision will focus on advancing the method to determine circuit integrity for energized communication cables. Examples of communication cables include signal cables, data cables, and Category cables.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard provides a method for subjecting energized cable systems to a standard fire exposure to obtain a circuit integrity time rating. Types of cable include power, control, instrumentation, and communication cables. Acceptance criteria are based on the cable maintaining functionality throughout the prescribed test.

## IEEE (Institute of Electrical and Electronics Engineers)

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### ***New Standard***

BSR/IEEE 3353-202x, Guide for Staged Fault Test of Alternating Current/Direct Current (AC/DC) Transmission Lines (new standard)

Stakeholders: Electric utilities that perform test and maintenance on transmission lines, test apparatus manufacturers, protection device manufacturers, and researchers that study the staged fault test method and transmission line protection technology.

Project Need: For newly-built or reconstructed (expanded) AC/DC transmission lines, a staged fault test is an important test item, which is mainly used to test the operation characteristics and protection function under line grounding fault. At present, the launching device based on spring energy storage principle is generally used for a staged fault test. During the test, the metal rod body is hung under the conductor to form the circuit lead frame firstly, and then the arcing lead line is ejected into the circuit lead frame by virtue of launching device to make the line short-circuit to the ground. The short-circuit current flows to the drainage metal plate through the arc line and into the tower grounding point through multiple strands of bare copper wires. Therefore, it is necessary to compile the staged fault test guide of AC/DC transmission lines, specify the test methods, test instruments, test steps and test precautions, so as to guide the artificial grounding short-circuit test of overhead lines more safely and effectively.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This guide provides guidance for test methods, procedures, and precautions of staged fault tests for AC/DC transmission lines, including: (1) Position and launch direction of test launcher, including the distance between the position of launcher and the tested line, topographic features of position and launch direction; (2) Design of circuit lead frame, including cross-sectional area of arcing leadwire, diameter and length of metal rod, and distance between metal rod and conductor; (3) Specification and position of metal plate, including size, thickness and position of metal plate; (4) Launch mode, including launch speed and launch angle This guide is applicable to the staged fault tests on AC and DC transmission lines at or above 500 kV, but could be adjusted for use on lower voltages.



## IEEE (Institute of Electrical and Electronics Engineers)

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### ***New Standard***

BSR/IEEE 7802-202x, Standard for Measurement and Verification of Reduction of Greenhouse Gases for Climate Action Projects and Solutions (new standard)

Stakeholders: Sustainability-focused/Climate-Impact investors, Climate action project developers, Carbon removal/sequestration technologists, Sustainability-minded Technology Corporations, International technology and financial agencies, Government and government-related entities and agencies, Relevant academic researchers, Educational institutions, Non-governmental organizations (NGOs), foundations, Financial Institutions, Think tanks, grantors, and investors.

Project Need: Most of the Climate Action projects do not have access to credible and cost-effective measurement and verification services, which hampers their ability to report and analyze their climate impacts; this also affects their funding or sponsoring stakeholders in holistically understanding the outcomes and comparing the impacts across their portfolios while in some cases, unintended and negative impacts get overlooked, in other cases, net-positive impacts of the projects go unmeasured, un-incentivized, un-accounted, and ultimately un-credited. The work of measurement and verification standards is crucial for effective and at-scale climate action. However, existing methods of monitoring, validating/verifying, and reporting emission reductions are often manual, costly, complex, and lengthy. This has become a major constraint in credible impact reporting and in accessing impact incentives especially for small & medium project proponents who make up most of the GHG-reduction ecosystem. There is significant potential for digital technologies (such as AI, Satellite Imagery, Remote Sensing, IOT, Distributed Ledger Technologies (DLT)) to streamline data collection, processing, and quality control in measuring, monitoring, reporting, and verification (MMRV) processes, to significantly reduce costs, accelerate verification/validation at scale, and credibly assess holistic, both negative and positive.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard provides techniques and methodologies for measurement, monitoring, reporting, and verification (MMRV) of solutions/projects developed in pursuance of regenerative climate action. This standard is applicable to all project types and categories that reduce and/or sequester emissions of greenhouse gasses, conserve biodiversity and contribute community benefits. The methodologies defined in this standard leverage technologies such as Satellite Imagery, Remote Sensing, Internet of Things (IOT), and Artificial Intelligence (AI). This standard specifies templates for registering climate projects, reporting their outputs, verifying the outputs, estimating the outcomes in terms of reduction in greenhouse gas (GHG) emissions, and issuing guidelines for issuing certificates for verified reduction of GHG from the environment. This standard creates a Taxonomy of Categories and Subcategories of Climate Action Projects and a database of formulas for every category that translates climate action outputs to outcomes in terms of GHG reductions. This standard emphasizes holistic considerations when estimating the outcomes in terms of GHG reductions; these considerations include potential, intended or unintended negative impacts, and accounting for GHG emissions during the entire lifecycle of the project.

## IEEE (Institute of Electrical and Electronics Engineers)

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### ***New Standard***

BSR/IEEE C57.132-202x, Guide for Vibration Testing of Oil-Immersed High-Voltage Direct Current (HVDC) Converter Transformer (160 kV dc to 1100 kV dc) (new standard)

Stakeholders: Electric utilities that perform test and maintenance on converter transformer, manufacturers of test apparatus, transformer manufacturers, researchers that study the vibration testing method and protection technology for transformer.

Project Need: The converter transformer is one of the key equipment in HVDC transmission system. According to operation statistics, the failure rate of a converter transformer is almost twice as much as a power transformer. As a converter transformer bears composite operational condition of alternating current, direct current and harmonic components, the vibration of iron core and electromagnetic force of winding are more complex and worse than a power transformer. In recent years, there have been a large number of cases of mechanical faults caused by abnormal vibration of converter transformers, such as winding deformation and displacement, flange fracture of valve-side bushings and fracture of grounding connector of iron core and clamping, which seriously affect the normal operation of converter transformers. However, diagnosis methods such as partial discharge measurement and Dissolved Gas Analysis (DGA) cannot find these defects effectively. Vibration testing provides an effective method to detect abnormal vibration of a converter transformer and to avoid electrical failure from mechanical defects. Therefore, it is necessary to provide guidance on vibration testing of a HVDC converter transformer in order to detect its mechanical condition and to diagnose its mechanical defects.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This guide provides vibration testing methods of and procedures for oil-immersed High-Voltage Direct Current (HVDC) converter transformers. The guide also defines the principle of vibration testing and test instrumentation to obtain measurement data for analysis. The tests apply to type testing, factory testing, and on-site testing. The guide includes data analysis methods to determine pass or failure of the test specimen.

## IES (Illuminating Engineering Society)

Patricia McGillicuddy <[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)> | 120 Wall Street, Floor 17 | New York, NY 10005-4001 [www.ies.org](http://www.ies.org)

### ***New Standard***

BSR/IES TM (CCT)-202x, Technical Memorandum: Method for calculation of correlated color temperature and distance from the Planckian locus (new standard)

Stakeholders: Lighting practitioners, the general public, utilities, environmentalists.

Project Need: This work will provide a standardized method(s) for calculating correlated color temperature and distance from the Planckian locus. It will clarify nomenclature and provide background on different methods that have been used to calculate these quantities. It will also clarify the limits and extents of applicability for the method.

Interest Categories: General Interest - Academic, Research; General Interest - Regulatory; User - Specifier, Producers; User - Public Interest

(a) This TM will formalize a recommended method for calculating CCT<sub>xx</sub> and D<sub>xx</sub> so that with the same input, different users can have an identical output; (b) It will provide data to calculate values in the CIE 1960 UCS (i.e., CCT and D<sub>uv</sub>); (c) It will describe how the methods can be applied to other CMFs/UCSs, including a proposed naming convention; (d) It will document limitations of the quantities and provide guidance on appropriate use.

## **SCTE (Society of Cable Telecommunications Engineers)**

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### **Revision**

BSR/SCTE 77-202x, Specifications for Underground Enclosure Integrity (revision of ANSI/SCTE 77-2017)

Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

The purpose of this document is to establish the performance requirements for underground enclosures. The document provides Standards Engineers and Systems Designers a means of evaluating underground enclosure performance regardless of the materials used or the methods employed in the manufacture of the enclosures.

## **SIA (Security Industry Association)**

Edison Shen <[EShen@securityindustry.org](mailto:EShen@securityindustry.org)> | 8405 Colesville Road, Suite 500 | Silver Spring, MD 20910 [www.siaonline.org](http://www.siaonline.org)

### **New Standard**

BSR/SIA OSDP-202x, Open Supervised Device Protocol: Communication Protocol for Peripheral Devices with Data Security Extension (new standard)

Stakeholders: Manufacturers, integrators, building owners/operators, critical infrastructure, security guards, law enforcement, government agencies, penetration testers

Project Need: A method to communicate between access control readers and controllers which will expand interoperability throughout the industry, support bi-directional encrypted communications among devices, improve user experience through additional functions and features, and allow the supervision of various devices.

Interest Categories: Manufacturer, Service Provider, Dealer, General Interest, User

Specifies the Open supervised device protocol (OSDP) for electronic access control systems. This includes communication settings, commands, and replies between the ACU and the peripheral devices.

## **TVC (ASC Z80) (The Vision Council)**

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### **New Standard**

BSR Z80.39-202x, Non-Accommodative, Static, Full Visual Range Intraocular Lenses (new standard)

Stakeholders: Medical professionals, optical industry, medical device manufacturers, regulatory agencies, consultants, consumers

Project Need: This standard addresses specific requirements for FVR IOLs that are not addressed in the normative references, and include vocabulary, optical properties and test methods, mechanical properties and test methods, labeling, biocompatibility, sterility, shelf-life and transport stability, and clinical investigations necessary for this type of device. As with any standard, alternative validated test methods may be used.

Interest Categories: Nationwide organizations of manufacturers and ophthalmic laboratories, professional organizations of ophthalmologists, optometrists, and opticians, federal agencies that are purchasers of ophthalmic materials, and individual members, companies, and experts.

This standard applies to intraocular lenses (IOLs) whose function is the visual correction of aphakia, with additional static, non-accommodative optical properties that demonstrate clinical function, including at a minimum, far-, intermediate-, and near-vision performance. This standard does not address the correction of astigmatism. For full visual range (FVR) IOLs that incorporate a toric surface, ANSI Z80.30 requirements also apply. Non-Accommodative Static Full Visual Range Intraocular Lenses will be referred to as FVR IOLs throughout this standard.

## **ULSE (UL Standards & Engagement)**

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### ***New Standard***

BSR/UL 1491-202x, Solid State Molded-Case Circuit Breakers (new standard)

Stakeholders: Electrical/Wiring (Residential, commercial, and industrial) applications and manufacturers, regulators and similar involved with solid state circuit breakers

Project Need: To develop a safety standard for solid-state circuit breakers and solid-state switches which would be used in residential, commercial and industrial facilities to provide branch circuit overcurrent protection and disconnecting means. This is a critical new technology that offers an alternative to traditional overcurrent protection devices, with performance advantages including quicker reaction times; however, they also carry additional risks that need to be addressed.

Interest Categories: Authorities Having Jurisdiction Commercial/Industrial Users General Interest Government Producer Supply Chain Testing and Standards Organization

These requirements cover solid-state molded-case circuit breakers rated up to 1000 Vac and 1500 Vdc that switch using semiconductors and have integral air gap for isolation. These solid state molded-case circuit breakers are intended to provide service entrance, feeder, and branch circuit protection in accordance with the National Electrical Code, ANSI/NFPA-70. These solid-state molded-case breakers may require auxiliary control power. These requirements are intended to be used in conjunction with the requirements in the Standard for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures, UL 489, hereafter referred to as UL 489, except as modified or supplemented by this Standard.

# 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](mailto:psa@ansi.org)

\* Standard for consumer products

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## Comment Deadline: September 10, 2023

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [mweber@ashrae.org](mailto:mweber@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

### Addenda

BSR/ASHRAE Addendum 62.1a-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)

This proposed addendum adds corridors (ages 5 plus) to Table 6-1 Minimum Ventilation Rates in Breathing Zone. "Corridors" is not currently an occupancy category under Educational Facilities. These corridors differ from those in general and residential buildings (the only other two corridors listed in Table 6-1). Generally, corridors have relatively low occupancy and are not used for long-term storage. On the other hand, corridors in educational facilities (ages 5-8, ages 9 plus) have periodically high occupant density. In educational facilities (ages 9 plus), there are also lockers permanently in corridors, which likely contain contaminant sources.

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

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

## Comment Deadline: September 10, 2023

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [mweber@ashrae.org](mailto:mweber@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE Addendum 62.1ag-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)

This proposed addendum replaces the calculation method in current Normative Appendix B2 (Separation of Exhaust Outlets and Outdoor Air Intakes) with a new method based upon ASHRAE Research Project 1635(2016). This research was sponsored by ASHRAE Technical Committee (TC) 4.3. The purpose of this Research Project is to provide a simple, yet accurate procedure for calculating the minimum distance required between the outlet of an exhaust system and the outdoor air intake to a ventilation system to avoid re-entrainment of exhaust gases. The new procedure addresses the technical deficiencies in the simplified equations and tables that are currently in Standard 62.1-2022 Ventilation and Acceptable Indoor Air Quality and model building codes.

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

Send comments (copy [psa@ansi.org](mailto: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 | [mweber@ashrae.org](mailto:mweber@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE Addendum 62.1b-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)

In Table 6-1, a General Break room is listed as having an area outdoor air rate of 0.06 cfm/ft<sup>2</sup> (0.3 L/s-m<sup>2</sup>) and an occupant density of 25 #/1000 ft<sup>2</sup> (#/100 m<sup>2</sup>). An Office Building Breakroom has an area outdoor air rate of 0.12 cfm/ft<sup>2</sup> (0.6 L/s-m<sup>2</sup>) and an occupant density of 50 #/1000 ft<sup>2</sup> (#/100 m<sup>2</sup>). The rate rationales for both types of break rooms are identical in Informative Appendix J, and the area outdoor rate is listed as 0.06 cfm/ft<sup>2</sup> (0.3 L/s-m<sup>2</sup>) for both break rooms in that appendix. This proposed addendum corrects the discrepancy by deleting the Office Building break room from Table 6-1 Minimum Ventilation Rates in Breathing Zone. It also revises Tables G-1, J-1, and M-1 for consistency.

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [rshanley@ashrae.org](mailto:rshanley@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

This proposed addendum clarifies the precedence of specific requirements over general requirements within ANSI/ASHRAE Standard 15. Language added to Section 11 is consistent in approach with language that is currently present in the model codes (e.g., International Mechanical Code).

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

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

## Comment Deadline: September 10, 2023

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [rshanley@ashrae.org](mailto:rshanley@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

This proposed addendum clarifies refrigerant detection system requirements upon failure of a self-diagnosis check.

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

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

### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

#### **Revision**

BSR/NSF 42-202x (i127r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic).

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Milla <[mmilla@nsf.org](mailto:mmilla@nsf.org)>

### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

#### **Revision**

BSR/NSF 53-202x (i152r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Milla <[mmilla@nsf.org](mailto:mmilla@nsf.org)>

## Comment Deadline: September 10, 2023

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 58-202x (i106r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Milla <[mmilla@nsf.org](mailto:mmilla@nsf.org)>

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 401-202x (i32r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private), considered to be microbiologically safe, and of known quality. Systems covered under this standard are intended to reduce substances that are at very low, yet measurable concentrations, but not at definitive concentrations of known health concern.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Milla <[mmilla@nsf.org](mailto:mmilla@nsf.org)>

### ULSE (UL Standards & Engagement)

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

#### Revision

BSR/UL 174-202x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2021)

The following topic is being proposed: (1) Over the Air (Remote) Software/Firmware Updates.

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

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

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [annemarie.jacobs@ul.org](mailto:annemarie.jacobs@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1776-202x, Standard for Safety for High-Pressure Cleaning Machines (revision of ANSI/UL 1776-2022)

Proposed revision to edition 3 of UL 1776 which includes the following change in requirements: Correction to markings for three-phase products.

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

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



## Comment Deadline: September 10, 2023

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [raji.ghandour@ul.org](mailto:raji.ghandour@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 2525-202x, Standard for Safety for Two-Way Emergency Communications Systems for Rescue Assistance (revision of ANSI/UL 2525-2020)

Amend scope of UL 2525 to Include Emergency Call Boxes.

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

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

## Comment Deadline: September 25, 2023

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### New Standard

BSR/ASB Std 169-202x, Standard for Clinical Veterinary Forensic Examination (new standard)

This document provides minimum requirements for the forensic veterinary examination of a live animal and the collection of physical evidence. This includes the physical examination, diagnostic testing, documentation, and evidence handling specific to the examination of live animals encountered in potential civil or criminal forensic cases involving animals.

Single copy price: Free

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

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

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410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### New Standard

BSR/ASB Std 180-202x, Standard for the Selection and Evaluation of GenBank® Results for Taxonomic Assignment of Wildlife (new standard)

This standard provides the minimum requirements for selection and evaluation of DNA sequences retrieved from the National Center for Biotechnology Information's GenBank® and their subsequent use as reference material for taxonomic identification of wildlife. This standard does not cover the use of DNA sequences from other public sequence databases (e.g., BOLD, UNITE), the protocol for downloading sequences from GenBank® for inclusion in in-house databases, or the use of custom BLAST searches against GenBank®. However, the criteria can be conceptually applied to other sequence databases.

Single copy price: Free

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

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

## Comment Deadline: September 25, 2023

### **AAFS (American Academy of Forensic Sciences)**

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#### ***New Standard***

BSR/ASB Std 185-202x, Standard for Proficiency Testing in Friction Ridge Examination (new standard)

This standard sets minimum requirements for proficiency tests used to assess the personnel performance and the overall quality system of the Forensic Service Provider (FSP) related to friction ridge examination. Included are requirements for the selection, development, validation, administration, evaluation and documentation of all proficiency tests regardless of source. This document does not address requirements related to the specific method(s) for conducting friction ridge examination, or for validation of novel methods prior to implementation.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board)

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

### **ADA (American Dental Association)**

211 East Chicago Avenue, Chicago, IL 60611-2678 | [bralowerp@ada.org](mailto:bralowerp@ada.org), [www.ada.org](http://www.ada.org)

#### ***Reaffirmation***

BSR/ADA Standard No. 141 (ISO 14356) 2013 (R202x), Dentistry - Dental Duplicating Material (reaffirmation of ANSI/ADA Standard No. 141 (ISO 14356)-2013 (R2018))

This standard specifies requirements and tests for the duplicating materials used in dentistry which are primarily intended for forming flexible molds needed to produce positive refractory investment copies of properly blocked-out master models.

Single copy price: \$183.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [mweber@ashrae.org](mailto:mweber@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### ***Addenda***

BSR/ASHRAE Addendum 62.1c-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)

This proposed addendum provides a calculator for mass balance equations used with the revised indoor air quality procedure; it also updates the reference for mass balance calculations in the CONTAM User Guide.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

## Comment Deadline: September 25, 2023

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Revision

BSR/ASME RTP-1-202x, Reinforced Thermoset Plastic Corrosion-Resistant Equipment (revision of ANSI/ASME RTP-1-2021)

This Standard applies to stationary vessels used for the storage, accumulation, or processing of corrosive or other substances at pressures not exceeding 15 psig external and/or 15 psig internal above any hydrostatic head.

Single copy price: Free

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Stumpf <[stumpfp@asme.org](mailto:stumpfp@asme.org)>

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

#### New Standard

BSR/ASTM WK61117-202x, Practice for Electrofusion Joining Polyethylene (PE) Pipe and Fittings for Pressure Pipe Service (new standard)

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

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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#### New Standard

BSR/ASTM WK72856-202x, Practice for Collection and Preservation of Organic Gunshot Residue (OGSR) (new standard)

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

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#### New Standard

BSR/ASTM WK73482-202x, Practice for Reporting Results and Opinions of Ignitable Liquids Analysis (new standard)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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## Comment Deadline: September 25, 2023

### **ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

#### ***New Standard***

BSR/ASTM WK77530-202x, Practice for Forensic Integrity Training (new standard)

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

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#### ***New Standard***

BSR/ASTM WK78747-202x, Guide for Forensic Examination of Fibers (new standard)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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### **ASTM (ASTM International)**

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#### ***New Standard***

BSR/ASTM WK78748-202x, Practice for Forensic Fiber Training Program (new standard)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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#### ***New Standard***

BSR/ASTM WK78749-202x, Guide for Microspectrophotometry in Forensic Fiber Analysis (new standard)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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#### ***New Standard***

BSR/ASTM WK81724-202x, Standard Classification for Ignitable Liquids Encountered in Fire Debris Analysis (new standard)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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## Comment Deadline: September 25, 2023

### **ASTM (ASTM International)**

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#### **Revision**

BSR/ASTM D2464-202x, Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM D2464-2015)

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

Single copy price: Free

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#### **Revision**

BSR/ASTM E23-202x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2023a)

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

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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#### **Revision**

BSR/ASTM E1188-202x, Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator (revision of ANSI/ASTM E1188-2011 (2017))

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

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#### **Revision**

BSR/ASTM E1388-202x, Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (revision of ANSI/ASTM E1388-2017)

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

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#### **Revision**

BSR/ASTM E2057-202x, Specifications for Preparation of Laboratory Analysis Requests in Sexual Assault Investigations (revision of ANSI/ASTM E2057-2010 (2015))

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

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#### **Revision**

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

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

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#### **Revision**

BSR/ASTM E2927-202x, Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Comparisons (revision of ANSI/ASTM E2927-2016)

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#### **Revision**

BSR/ASTM E3272-202x, Guide for Collection of Soils and Other Geological Evidence for Criminal Forensic Applications (revision of ANSI/ASTM E3272-2021)

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

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#### **Revision**

BSR/ASTM E3294-202x, Guide for Forensic Analysis of Geological Materials by Powder X-Ray Diffraction (revision of ANSI/ASTM E3294-2022)

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

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#### **Revision**

BSR/ASTM F891-202x, Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe With a Cellular Core (revision of ANSI/ASTM F891-2016)

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

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#### **Revision**

BSR/ASTM F1960-202x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2023)

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

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### **AWC (American Wood Council)**

222 Catoctin Circle , Suite 201, Leesburg, VA 20175 | [bdouglas@awc.org](mailto:bdouglas@awc.org), [www.awc.org](http://www.awc.org)

#### **Revision**

BSR/AWC FDS-202x, Fire Design Specification for Wood Construction (revision and redesignation of ANSI/AWC FDS-2022)

This standard provides designers with a document that includes procedures, calculations, and specific language necessary for design of wood buildings to comply with general design requirements in codes and other referenced standards. This standard incorporates provisions from Chapter 16 of ANSI/AWC NDS-2018 (National Design Specification® for Wood Construction) which cover the design of exposed wood members and expands those provisions to provide calculation procedures to address the added fire resistance and thermal benefits of protection provided by use of additional wood, gypsum panel products, and insulation. In addition, there are provisions for calculating thermal separation and burn-through requirements as required for assemblies in ASTM E119.

Single copy price: \$50.00

Obtain an electronic copy from: [bdouglas@awc.org](mailto:bdouglas@awc.org)

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### **AWC (American Wood Council)**

222 Catocin Circle , Suite 201, Leesburg, VA 20175 | [bdouglas@awc.org](mailto:bdouglas@awc.org), [www.awc.org](http://www.awc.org)

#### **Revision**

BSR/AWC NDS-202x, National Design Specification® for Wood Construction (revision and redesignation of ANSI/AWC NDS-2018)

Revise current version of ANS/NDS-2018, primarily to update provisions to latest state-of-the-art wood engineering.

Single copy price: \$50.00

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### **AWWA (American Water Works Association)**

6666 W. Quincy Avenue, Denver, CO 80235 | [polson@awwa.org](mailto:polson@awwa.org), [www.awwa.org](http://www.awwa.org)

#### **Revision**

BSR/AWWA C651-202x, Disinfecting Water Mains (revision, redesignation and consolidation of ANSI/AWWA C651-14 and ANSI/AWWA C651a-19)

This standard describes essential procedures for the disinfection of new and repaired potable water mains, including water mains used for temporary service when replacing or repairing existing water mains.

Single copy price: Free

Obtain an electronic copy from: [ETSsupport@awwa.org](mailto:ETSsupport@awwa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: AWWA, Paul J. Olson <[polson@awwa.org](mailto:polson@awwa.org)>

### **CSA (CSA America Standards Inc.)**

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [donald.wong@csagroup.org](mailto:donald.wong@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### **Reaffirmation**

BSR/CSA C450-2018 (R202x), Photovoltaic (PV) module testing protocol for quality assurance programs (reaffirmation of ANSI/CSA C450-2018)

1.1 This Standard outlines a PV module testing protocol for quality assurance programs. It is intended to be used by financial institution and insurers, developers, independent engineers, and manufacturers. It provides best practices for photovoltaic module testing protocol for quality assurance programs. 1.2 This Standard is intended to be a stand-alone document that does not interact with other safety or qualification standards such as the UL 1703, IEC 61730, and IEC 61215. Some testing in this Standard might duplicate testing in the UL 1703, IEC 61730, and IEC 61215 safety and qualification standards. 1.3 The individual test legs in the protocol of this Standard are derived from existing tests in safety, qualification, and reliability testing described in IEC documents and NREL Photovoltaic Module Qualification Plus Testing, and might be updated over time as new test legs and protocols are validated and published. The test legs in this Standard are designed to reproduce failures observed in the field or potentially could be seen in the field. Test leg durations have been carefully considered to avoid accumulated exposures greater than those that might be reasonably expected in actual deployment scenarios.

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271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | [standards@esta.org](mailto:standards@esta.org), [www.esta.org](http://www.esta.org)

#### ***New Standard***

BSR/ES1.2-202x, Event Planning, Management, & Major Incident (new standard)

This standard describes a process for event organizers and supporting staff to create and implement event-related plans for health and safety management. This process includes a framework, guidelines, and recommended practices that can be used to reduce risk as much as reasonably practical and to respond appropriately when an incident occurs.

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#### ***New Standard***

BSR/ES1.5-202x, Event Safety - Medical Preparedness (new standard)

This standard helps identify the steps necessary to create a reasonable level of protection from medical hazards that can be created by, exacerbated by, or cause effective treatment delay as a result of, the unique challenges & circumstances presented by the special event environment. Its scope includes the assessment of specific medical hazards, and also addresses the potential impact to local medical services, which may be temporarily impacted by the specific needs of the special event.

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#### ***New Standard***

BSR/E1.64-202x, Design, Manufacturing, Inspection, Operation, and Maintenance of Stage Machinery Control Systems in the Entertainment Industry (new standard)

This standard establishes minimum requirements for the design, manufacture, installation, commissioning, inspection, operation, and maintenance of machinery control equipment in the Entertainment Industry including equipment that is used in production, touring, and temporary or permanent installation.

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#### ***New Standard***

BSR/E1.71-202x, Powered Curtain Machines (new standard)

This standard establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended solely for the movement of curtains for performance, presentation, and theatrical production. These requirements would apply to machines that provide movement of fabric in any direction, irrespective of their mounting location. This standard does not apply to the structure to which the machine is attached, or to machines such as those used for fire safety curtains or for performer flying, which are covered by other existing standards. The provisions of this standard are not intended to prohibit any design, materials, or methods of fabrication, provided that any such alternative is at least the equivalent of that described in this standard in quality, strength, and effectiveness.

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#### ***New Standard***

BSR/E1.76-202x, Tension Wire Grids (new standard)

This standard for wire rope tension grids will cover design and application criteria including: the loading, self-weight considerations, transitions between levels, and suspension from structure. The standard will provide deflection criteria for both structural elements and the woven mesh. The standard will offer guidance on the size of openings, including trap doors and bays similar to loft-wells. The standard will provide requirements for hand rails and consideration for other accessories such as stage lighting battens.

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#### ***Reaffirmation***

BSR E1.31-2018 (R202x), Lightweight streaming protocol for transport of DMX512 using ACN (reaffirmation of ANSI E1.31-2018)

ANSI E1.31 – 2018 describes a mechanism to transfer DMX512A packets over a TCP/IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. It also outlines a synchronization method to help ensure that multiple sinks can process this data concurrently when supervised by the same controller. It includes support for IPv6 as well as IPv4.

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#### **Revision**

BSR/E1.1-202x, Wire Rope Ladders (revision of ANSI/E1.1-2018)

This standard describes the construction and use of wire rope ladders in the entertainment industry. Wire rope ladders are distinguished from other ladders by having flexible rails. They are used in applications where ladders with rigid rails are impractical to use, or where a rigid ladder would pose a greater danger to the user or other workers in the area. ANSI E1.1-2108 is being revised to update references and technology.

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#### **Revision**

BSR/E1.23-202x, Entertainment Technology-Design, Execution, and Maintenance of Atmospheric Effects (revision of ANSI/E1.23-2020)

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

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#### **Revision**

BSR/E1.42-202x, Safety Standard for Entertainment Lifts (revision of ANSI E1.42-2018)

This standard is a revision of ANSI E1.42-2018 Entertainment Technology – Design, Installation, and Use of Orchestra Pit Lifts. Stage and orchestra lifts are specifically excluded from ASTM A17.1 Safety Code for Elevators and Escalators. The previous version of E1.42's scope was limited to orchestra pit lifts. This revision expands its scope to include stage lifts and other similar lifts, as well as lifts used temporarily for a single production. These lifts have widely varying requirements and operating conditions. Procedures for risk assessment and risk reduction have been added to accommodate these conditions. As a result, many sections have been reorganized and renumbered. To reflect the increased scope and more closely follow ASME A17.1, the title has also been changed to Safety Standard for Entertainment Lifts.

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#### **Revision**

BSR/E1.43-202x, Performer Flying Systems (revision of ANSI E1.43-2016)

This standard establishes a minimum level of performance parameters for the design, manufacture, use, and maintenance of performer flying systems used in the production of entertainment events. The purpose of this guidance is to achieve the adequate strength, reliability, and safety of these systems to ensure safety of the performer, other production personnel, and audiences under all circumstances associated with performer flying. ANSI E1.43-2016 is being revised to reflect changes in technology and referenced standards.

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#### **Revision**

BSR/E1.50-1-202x, Requirements for the Structural Support of Temporary LED, Video & Display Systems (revision of ANSI E1.50-1-2017)

This standard covers the support of temporary installations of large-format modular display systems, LED, video and other self-illuminating display structures not otherwise addressed by existing standards. The scope of this standard includes planning and site preparedness, assembly and erection, suspension and safety of components, special access requirements, use, and dismantling of these systems. ANSI E1.50-1-2018 is being revised to reflect current technology and practices in the industry.

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#### **Withdrawal**

ANSI E1.48-2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (withdrawal of ANSI E1.48-2014 (R2019))

This standard is being withdrawn because its requirements pertain to incandescent luminaires, which are being phased out by newer LED technology.

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### **NEMA (ASC C136) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | [David.Richmond@nema.org](mailto:David.Richmond@nema.org), [www.nema.org](http://www.nema.org)

#### **Revision**

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

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 Equipment Under Test (EUTs) for the following: a. Dielectric withstand b. Electrical transient immunity

Single copy price: \$58.00

Obtain an electronic copy from: [david.richmond@nema.org](mailto:david.richmond@nema.org)

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### **NEMA (ASC C136) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | [David.Richmond@nema.org](mailto:David.Richmond@nema.org), [www.nema.org](http://www.nema.org)

#### **Revision**

BSR C136.42-202X, Roadway and Area Lighting Equipment - Solid State Lighting Retrofit Kits (revision of ANSI C136.42-2018)

This Standard defines the mechanical and electrical requirements for transforming an installed HID roadway and area luminaire to a Solid State roadway and area luminaire. This Standard is limited to non-screw-base retrofit kits only.

Single copy price: \$49.00

Obtain an electronic copy from: [david.richmond@nema.org](mailto:david.richmond@nema.org)

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### **NENA (National Emergency Number Association)**

1700 Diagonal Road Suite 500, Suite 500, Alexandria, VA 22314 | [crm@nena.org](mailto:crm@nena.org), [www.nena.org](http://www.nena.org)

#### **Revision**

BSR/NENA STA-013.3-202x, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures (revision of ANSI/NENA STA-013.2-2016)

It is of benefit to both railroad and PSAP personnel to have standardized national recommendations and procedures, ensuring a quick and accurate information exchange and coordination of response. NENA with input from the Federal Railroad Administration will provide updated information and guidance for operational interaction between PSAPs, railroad call centers, railroad-sworn personnel in the field and related railroad responders.

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### ULSE (UL Standards & Engagement)

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

#### Reaffirmation

BSR/UL 296A-2013 (R202x), Standard for Safety for Waste Oil-Burning Air-Heating Appliances (reaffirmation of ANSI/UL 296A-2013 (R2018))

These requirements cover air-heating appliances of the central furnace and unit heater types and boiler assemblies intended for burning waste oil fuels and having fuel inputs rated no more than 20 gallons/hour (75.7 liters/hour) or approximately 3,000,000 Btu/hour (3,160,000 kJ/hour). These requirements cover automatically lighted, mechanical-atomizing type burners that typically are used with these appliances. The burner is to be factory-installed on or provided with each appliance.

Single copy price: Free

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

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

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | [ashley.seward@ul.org](mailto:ashley.seward@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 60745-2-4-2009 (R202x), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type (reaffirmation of ANSI/UL 60745-2-4-2009 (R2018))

(1) Reaffirmation and continuance of the Second Edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type, UL 60745-2-4, as an American National Standard.

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### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Vickie.T.Hinton@ul.org](mailto:Vickie.T.Hinton@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 61010-2-010-2019 (R202x), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials (reaffirmation of ANSI/UL 61010-2-010-2019)

Reaffirmation and continuance of the Fourth Edition of the Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials, UL 61010-2-010, an American National Standard.

Single copy price: Free

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

Send comments (copy [psa@ansi.org](mailto: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: September 25, 2023

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Vickie.T.Hinton@ul.org](mailto:Vickie.T.Hinton@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 61010-2-051-2019 (R202x), Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-051: Particular Requirements for Laboratory Equipment for Mixing and Stirring (reaffirmation of ANSI/UL 61010-2-051-2019)

Reaffirmation and continuance of the Fourth Edition of the Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-051: Particular Requirements for Laboratory Equipment for Mixing and Stirring, UL 61010-2-051, as an American National Standard.

Single copy price: Free

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

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Vickie.T.Hinton@ul.org](mailto:Vickie.T.Hinton@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 61010-2-061-2019 (R202x), Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-061: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization (reaffirmation of ANSI/UL 61010-2-061-2019)

Reaffirmation and continuance of the Fourth Edition of the Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-061: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization, UL 61010-2-061, as an American National Standard.

Single copy price: Free

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

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | [mitchell.gold@ul.org](mailto:mitchell.gold@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 508-202x, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2021)

Proposed revisions to UL 508, Standard for Industrial Control Equipment, which include the following: (1)

Revisions to Address Changes to UL 869A; (2) Clarification of Ambient for Tests; (3) Remove Exception to Clause 69.5 for Definite Purpose Motor Controllers; (4) Move Pressure Test to General Section; (5) Remove Programmable Controllers from UL 508; (6) Correction to Section 50; (7) Correction to UL 50 References; (8) Editorial Update to Remove Appendix A.

Single copy price: Free

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

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



## Comment Deadline: September 25, 2023

### ULSE (UL Standards & Engagement)

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

#### Revision

BSR/UL 746D-202x, Standard for Safety for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D-2023)

This proposal involves the removal of requirements for the Recycled Plastics Test Program from UL 746D.

Single copy price: Free

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Derrick Martin; [Derrick.L.Martin@ul.org](mailto:Derrick.L.Martin@ul.org)

## Comment Deadline: October 10, 2023

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Revision

BSR/ASME B73.2-202x, Specification for Vertical In-Line Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.2-2016)

This Standard is a design and specification standard that covers metallic centrifugal pumps of vertical shaft single-stage design with suction and discharge nozzles in-line. This Standard includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance and enhance reliability and safety of B73.2 pumps. It is the intent of this Standard that pumps of the same standard dimension designation from all sources of supply shall be interchangeable with respect to mounting dimensions, size, and location of suction and discharge nozzles (see Table 1). Maintenance and operation requirements are not included in this Standard.

Single copy price: \$54.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Robert Ryan <[ryanr@asme.org](mailto:ryanr@asme.org)>

### ULSE (UL Standards & Engagement)

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

#### Revision

BSR/UL 217-202x, Standard for Smoke Alarms (revision of ANSI/UL 217-2022)

These requirements cover electrically operated single and multiple station smoke alarms intended for open area protection in indoor locations and portable smoke alarms used as "travel" alarms in accordance with: (a) National Fire Alarm and Signaling Code, NFPA 72; (b) Standard for Recreational Vehicles, NFPA 501C, for smoke alarms intended for use in recreational vehicles; (c) For smoke alarms intended for use in recreational boats: (1) Fire Protection Standard for Pleasure and Commercial Motor Craft, NFPA 302, (2) AC and DC Electrical Systems on Boats, ABYC E-11, and (3) The applicable regulations of the United States Coast Guard. This project will include additions or revisions to: (1) Field Testing with Integral Self-Test, (2) New Commercial Vehicles Definition and Addition of "Commercial Vehicle Cabin" Definition, (3) Secondary Power Supply, (4) Battery Powered Primary or Secondary Units, (5) Test Conditions; (6) Impact Test, (7) Drop Test, (8) Abnormal Operation Test, (9) Battery Specification Requirements, (10) Commercial Vehicle Marking Requirements, and (11) Battery Test Requirements.

Single copy price: Free

Order from: [csds.ul.com](http://csds.ul.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Grayson Flake <[Grayson.Flake@ul.org](mailto:Grayson.Flake@ul.org)>



## **Comment Deadline: October 10, 2023**

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Nicolette.A.Weeks@ul.org](mailto:Nicolette.A.Weeks@ul.org), <https://ulse.org/>

#### ***Revision***

BSR/UL 9595-202x, Standard for Factory Follow-Up Services for Personal Flotation Devices (revision of ANSI/UL 9595-2023)

This proposal covers: (1) Addition of 730-Pound Shoulder Strength Test for Rescue Harness PFD's, (2) Correction of Vertical Test Load for Inherently Buoyant PFD's, and (3) Seal Seam Strength Test Review test requirements.

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# 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.

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## ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | [bralowerp@ada.org](mailto:bralowerp@ada.org), [www.ada.org](http://www.ada.org)

ANSI/ADA Standard No. 119-2023, Dentistry - Manual Toothbrushes (identical national adoption of ISO 20126:2022 and revision of ANSI/ADA Standard No. 119-2021) Final Action Date: 8/4/2023 | *National Adoption*

ANSI/ADA Standard No. 122-2023, Dentistry - Casting and Baseplate Waxes (identical national adoption of ISO 15854:2023 and revision of ANSI/ADA Standard No. 122-2022) Final Action Date: 8/4/2023 | *National Adoption*

ANSI/ADA Standard No. 134-2023, Dentistry - Metallic Materials for Fixed and Removable Restorations and Appliances (identical national adoption of ISO 22674:2022 and revision of ANSI/ADA Standard No. 134-2018) Final Action Date: 8/4/2023 | *National Adoption*

ANSI/ADA Standard No. 89-2023, Dentistry - Dental Operating Lights (identical national adoption of ISO 9680:2021 and revision of ANSI/ADA Standard No. 89-2017) Final Action Date: 8/4/2023 | *National Adoption*

ANSI/ADA Standard No. 1067-2013 (R2018), Electronic Dental Record System Standard Functional Requirements (withdrawal of ANSI/ADA Standard No. 1067-2013 (R2018)) Final Action Date: 8/3/2023 | *Withdrawal*

ANSI/ADA Standard No. 111-2019, Adhesion Test Methods to Tooth Structure (withdrawal of ANSI/ADA Standard No. 111-2019) Final Action Date: 8/4/2023 | *Withdrawal*

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [cking@ashrae.org](mailto:cking@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

ANSI/ASHRAE Addendum a to Standard 41.9-2021, Standard Methods for Refrigerant Mass Flow Measurement Using Calorimeters (addenda to ANSI/ASHRAE Standard 41.9-2021) Final Action Date: 7/31/2023 | *Addenda*

ANSI/ASHRAE/ASHE Addendum 170j-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 7/31/2023 | *Addenda*

ANSI/ASHRAE Standard 22-2023, Method of Testing for Rating Liquid-Cooled Refrigerant Condensers (revision of ANSI/ASHRAE Standard 22-2018) Final Action Date: 7/31/2023 | *Revision*

ANSI/ASHRAE Standard 181-2023, Method of Testing for Rating Liquid-to-Liquid Heat Exchangers (revision of ANSI/ASHRAE Standard 181-2018) Final Action Date: 7/31/2023 | *Revision*

## ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

ANSI/ASME A90.1-2023, Safety Standard for Belt Manlifts (revision of ANSI/ASME A90.1-2015) Final Action Date: 8/1/2023 | *Revision*

ANSI/ASME B31G-2023, Manual for Determining the Remaining Strength of Corroded Pipelines (revision of ANSI/ASME B31G-2012 (R2017)) Final Action Date: 8/3/2023 | *Revision*

**ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

ANSI/ASTM E585/E585M-2023, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable (revision of ANSI/ASTM E585-2018) Final Action Date: 7/1/2023 | *Revision*

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [jhuynh@atis.org](mailto:jhuynh@atis.org), [www.atis.org](http://www.atis.org)

ANSI ATIS 0900101-2013 (S2023), Synchronization Interface Standard (stabilized maintenance of ANSI ATIS 0900101-2013 (R2018)) Final Action Date: 8/7/2023 | *Stabilized Maintenance*

ANSI ATIS 0900105.03-2013 (S2023), Synchronous Optical Network (SONET) - Jitter at Network Interfaces (stabilized maintenance of ANSI ATIS 0900105.03-2013 (R2018)) Final Action Date: 8/7/2023 | *Stabilized Maintenance*

ANSI ATIS 0900105.09-2013 (S2023), Synchronous Optical Network (SONET) - Network Element Timing and Synchronization (stabilized maintenance of ANSI ATIS 0900105.09-2013 (R2018)) Final Action Date: 8/7/2023 | *Stabilized Maintenance*

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

ANSI/AWS A5.18/A5.18M-2023, Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.18/A5.18M-2021) Final Action Date: 8/3/2023 | *Revision*

ANSI/AWS A5.15-1990 (S2023), Specification for Welding Electrodes and Rods for Cast Iron (stabilized maintenance of ANSI/AWS A5.15-1990 (R2016)) Final Action Date: 8/3/2023 | *Stabilized Maintenance*

ANSI/AWS A5.19-1992 (S2023), Specification for Magnesium Alloy Welding Electrodes and Rods (stabilized maintenance of ANSI/AWS A5.19-1992 (R2015)) Final Action Date: 8/3/2023 | *Stabilized Maintenance*

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

ANSI/EIA 757-A-2015 (R2023), Visual and Mechanical Inspection for Molded SMT Solid Tantalum Capacitors (reaffirmation of ANSI/EIA 757-A-2015) Final Action Date: 8/4/2023 | *Reaffirmation*

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS 496-2012/AM 2-2023, Information Technology - Fibre Channel - Security Protocols - 2/Amendment 2 (FC-SP -2/AM 2) (addenda to INCITS 496-2012 [S2022], INCITS 496-2012/AM1-2015 [R2020]) Final Action Date: 8/3/2023 | *Addenda*

INCITS 305-1998 [S2023], Information technology - SCSI Enclosure Services (SES) (stabilized maintenance of INCITS 305-1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 305-1998/AM 1-2000 [S2023], Information technology - SCSI Enclosure Services (SES) - Amendment 1 (stabilized maintenance of INCITS 305:1998/AM1:2000 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 306-1998 [S2023], Information technology - SCSI-3 Block Commands (SBC) (stabilized maintenance of INCITS 306-1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 330-2000/AM 1-2003 [S2023], Information technology - Reduced Block Commands (RBC) - Amendment 1 (stabilized maintenance of INCITS 330:2000/AM1:2003 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS 382-2004 [S2023], Information technology - SCSI Media Changer Command Set, Version 2 (SMC-2) (stabilized maintenance of INCITS 382-2004 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 451-2008 [S2023], Information technology - AT Attachments-8 ATA/ATAPI Architecture Model (ATA8-AAM) (stabilized maintenance of INCITS 451-2008 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 462-2010/AM1-2012 [S2023], Information technology - Fibre Channel - Backbone - 5 (FC-BB-5) - Amendment 1 (stabilized maintenance of INCITS 462-2010/AM1-2012 [R2017]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 528-2013 [S2023], Information Technology - Common Building Blocks Specification (stabilized maintenance of INCITS 528-2013 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 530-2013 [S2023], Information Technology - Architecture for Managed Computing Systems (stabilized maintenance of INCITS 530-2013 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS 531-2013 [S2023], Information Technology - Systems Management Discovery for Managed Computer Systems (stabilized maintenance of INCITS 531-2013 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO 962:1974 [S2023], Information Processing - Implementation of the 7-Bit Coded Character Set and its 7-Bit and 8-Bit Extensions on 9-Track 12,7 mm (0.5 in) Magnetic Tape (stabilized maintenance of INCITS/ISO 962:1974 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO 2033:1983 [S2023], Information Processing - Coding of Machine Readable Characters (MICR and OCR) (stabilized maintenance of INCITS/ISO 2033:1983 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO 6586:1980 [S2023], Data processing -- Implementation of the ISO 7-bit and 8-bit coded character sets on punched cards (stabilized maintenance of INCITS/ISO 6586:1980 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO 9036:1987 [S2023], Information processing -- Arabic 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO 9036:1987 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-1:1998 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 1: Latin alphabet No. 1 (stabilized maintenance of INCITS/ISO/IEC 8859-1:1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-4:1998 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 4: Latin alphabet No. 4 (stabilized maintenance of INCITS/ISO/IEC 8859-4:1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-7:2003 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 7: Latin/Greek alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-7:2003 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-9:1999 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 9: Latin alphabet No. 5 (stabilized maintenance of INCITS/ISO/IEC 8859-9:1999 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-10:1998 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 10: Latin alphabet No. 6 (stabilized maintenance of INCITS/ISO/IEC 8859-10:1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-11:2001 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 11: Latin/Thai alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-11:2001 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS/ISO/IEC 8859-13:1998 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 13: Latin alphabet No. 7 (stabilized maintenance of INCITS/ISO/IEC 8859-13:1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-14:1998 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 14: Latin alphabet No. 8 (Celtic) (stabilized maintenance of INCITS/ISO/IEC 8859-14:1998 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 8859-15:1999 [S2023], Information technology - 8-bit single-byte coded graphic character sets - Part 15: Latin alphabet No. 9 (stabilized maintenance of INCITS/ISO/IEC 8859-15:1999 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 646:1991 [S2023], Information technology - ISO 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO/IEC 646:1991 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 2022:1994 [S2023], Information technology - Character code structure and extension techniques (stabilized maintenance of INCITS/ISO/IEC 2022:1994 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 4873:1991 [S2023], Information technology - ISO 8-bit code for information interchange - Structure and rules for implementation (stabilized maintenance of INCITS/ISO/IEC 4873:1991 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 10367:1991 [S2023], Information Technology - Standardized Coded Graphic Character Sets for Use in 8-Bit Codes (stabilized maintenance of INCITS/ISO/IEC 10367:1991 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 10538:1991 [S2023], Information technology -- Control functions for text communication (stabilized maintenance of INCITS/ISO/IEC 10538:1991 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 11002:2008 [S2023], Information technology - Multipath management API (stabilized maintenance of INCITS/ISO/IEC 11002:2008 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 11989:2010 [S2023], Information technology - iSCSI Management API (stabilized maintenance of INCITS/ISO/IEC 11989:2010 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

INCITS/ISO/IEC 13187:2011 [S2023], Information technology - Server management command line protocol (SM CLP) specification (stabilized maintenance of INCITS/ISO/IEC 13187:2011 [R2018]) Final Action Date: 8/4/2023 | *Stabilized Maintenance*

**NEMA (ASC C37) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 1752, Rosslyn, VA 22209 | [brian.marchionini@nema.org](mailto:brian.marchionini@nema.org), [www.nema.org](http://www.nema.org)

ANSI C37.54-2023, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2003 (R2020)) Final Action Date: 8/3/2023 | *Revision*

**NEMA (ASC C82) (National Electrical Manufacturers Association)**

1300 N 17th St, Rosslyn, VA 22209 | [Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org), [www.nema.org](http://www.nema.org)

ANSI C82.77-5-2023, Lighting Equipment - Voltage Surge Requirements (revision of ANSI C82.77-5-2017) Final Action Date: 8/4/2023 | *Revision*

**NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | [dbellis@nfpa.org](mailto:dbellis@nfpa.org), [www.nfpa.org](http://www.nfpa.org)

ANSI/NFPA 260-2024, Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture (revision of ANSI/NFPA 260-2019) Final Action Date: 8/2/2023 | *Revision*

**PHTA (Pool and Hot Tub Alliance)**

2111 Eisenhower Avenue, Alexandria, VA 22314 | [bpavlik@phta.org](mailto:bpavlik@phta.org), [www.PHTA.org](http://www.PHTA.org)

ANSI/APSP/ICC-1 2014 (R2023), Standard for Public Swimming Pools (reaffirmation and redesignation of ANSI/APSP 1-2013) Final Action Date: 8/4/2023 | *Reaffirmation*

**ULSE (UL Standards & Engagement)**

333 Pfingsten Road, Northbrook, IL 60062 | [isabella.brodzinski@ul.org](mailto:isabella.brodzinski@ul.org), <https://ulse.org/>

ANSI/UL 9990-2023, Standard for Safety for Information and Communication Technology (ICT) Power Cables (new standard) Final Action Date: 7/31/2023 | *New Standard*

ANSI/UL 60745-2-15-2018 (R2023), UL Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers (reaffirmation of ANSI/UL 60745-2-15-2018) Final Action Date: 8/4/2023 | *Reaffirmation*

ANSI/UL 60745-2-16-2018 (R2023), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-16: Particular Requirements for Tackers (reaffirmation of ANSI/UL 60745-2-16-2018) Final Action Date: 8/4/2023 | *Reaffirmation*

ANSI/UL 122001-2009 (R2023), Standard for Safety for General Requirements for Electrical Ignition Systems for Internal Combustion Engines in Class I, Division 2 or Zone 2 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 122001-2009 (R2019)) Final Action Date: 8/1/2023 | *Reaffirmation*

ANSI/UL 858-2023, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2022) Final Action Date: 8/2/2023 | *Revision*

ANSI/UL 2075-2023a, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075-2023) Final Action Date: 8/4/2023 | *Revision*

# Call for Members (ANS Consensus Bodies)

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

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## ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at [jgarner@itic.org](mailto:jgarner@itic.org) or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

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

More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).



## **ANSI Accredited Standards Developer**

### **CTA - Consumer Technology Association**

#### **CTA 2126 Guidelines for the National Cybersecurity Label Conformity and Trust Programs**

CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2126. CTA and the R14 Cybersecurity and Privacy Management Committee are particularly interested in adding new members (called "users") who develops standards, recommended practices, and technical reports, in the area of cybersecurity and privacy management, for developers of connected devices.

For inquiries please contact: Kerri Haresign, Consumer Technology Association (CTA) | 1919 South Eads Street, Arlington, VA 22202 | (703) 907-5267, [KHaresign@cta.tech](mailto:KHaresign@cta.tech)

## **ANSI Accredited Standards Developer**

### **ESTA - Entertainment Services and Technology Association**

#### **Event Safety Working Group and Floors Working Group**

The Event Safety Working Group seeks new members in the Equipment Provider, Insurance, and Performing Artist interest categories. Interested parties may contact [standards@esta.org](mailto:standards@esta.org) to request an application.

The Floors Working Group seeks new members in the Custom Market Producer, Designer, and Dealer/Rental Company interest categories. Interested parties may contact [standards@esta.org](mailto:standards@esta.org) to request an application.

### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | [cakers@cta.tech](mailto:cakers@cta.tech), [www.cta.tech](http://www.cta.tech)

BSR/CTA 2126-202x, Guidelines for the National Cybersecurity Label Conformity and Trust Programs (new standard)

### **EMAP (Emergency Management Accreditation Program)**

201 Park Washington Court, Falls Church, VA 22046-4527 | [nishmael@emap.org](mailto:nishmael@emap.org), [www.emap.org](http://www.emap.org)

BSR/EMAP EMS 5-202x, Emergency Management Standard (revision of ANSI/EMAP EMS 5-2022)

### **EMAP (Emergency Management Accreditation Program)**

201 Park Washington Court, Falls Church, VA 22046-4527 | [nishmael@emap.org](mailto:nishmael@emap.org), [www.emap.org](http://www.emap.org)

BSR/EMAP US&R 2-202x, Urban Search & Rescue Standard (revision of ANSI/EMAP US&R 2-2022)

### **ESTA (Entertainment Services and Technology Association)**

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | [standards@esta.org](mailto:standards@esta.org), [www.esta.org](http://www.esta.org)

BSR/ES1.2-202x, Event Planning, Management, & Major Incident (new standard)

### **ESTA (Entertainment Services and Technology Association)**

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | [standards@esta.org](mailto:standards@esta.org), [www.esta.org](http://www.esta.org)

BSR/ES1.5-202x, Event Safety - Medical Preparedness (new standard)



**ESTA (Entertainment Services and Technology Association)**

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | [standards@esta.org](mailto:standards@esta.org), [www.esta.org](http://www.esta.org)

BSR/E1.76-202x, Tension Wire Grids (new standard)

**IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org), [www.ies.org](http://www.ies.org)

BSR/IES TM (CCT)-202x, Technical Memorandum: Method for calculation of correlated color temperature and distance from the Planckian locus (new standard)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF 42-202x (i127r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF 53-202x (i152r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF 58-202x (i106r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | [mmilla@nsf.org](mailto:mmilla@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF 401-202x (i32r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022)

# American National Standards (ANS) Process

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):  
[www.ansi.org/essentialrequirements](http://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](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS):  
[www.ansi.org/sdoaccreditation](http://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](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:  
[www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps:  
[www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value:  
[www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers:  
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):  
<https://ibr.ansi.org/>
- ANSI - Education and Training:  
[www.standardstolearn.org](http://www.standardstolearn.org)

# Accreditation Announcements (Standards Developers)

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## Approval of Reaccreditation – ASD

### LES - Licensing Executives Society (U.S. and Canada)

Effective August 11, 2023

ANSI's Executive Standards Council has approved the reaccreditation of **LES - Licensing Executives Society (U.S. and Canada)** under its recently revised operating procedures for documenting consensus on LES-sponsored American National Standards, effective **August 4, 2023**. For additional information, please contact: Alexandra Rehmeier, Licensing Executives Society (U.S. and Canada) (LES) | 11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191 | (949) 981-1562, [alexandra.l.rehmeier@boeing.com](mailto:alexandra.l.rehmeier@boeing.com)

# American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)  
AARST (American Association of Radon Scientists and Technologists)  
AGA (American Gas Association)  
AGSC (Auto Glass Safety Council)  
ASC X9 (Accredited Standards Committee X9, Incorporated)  
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)  
ASME (American Society of Mechanical Engineers)  
ASTM (ASTM International)  
GBI (Green Building Initiative)  
HL7 (Health Level Seven)  
Home Innovation (Home Innovation Research Labs)  
IES (Illuminating Engineering Society)  
ITI (InterNational Committee for Information Technology Standards)  
MHI (Material Handling Industry)  
NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)  
NCPDP (National Council for Prescription Drug Programs)  
NEMA (National Electrical Manufacturers Association)  
NFRC (National Fenestration Rating Council)  
NISO (National Information Standards Organization)  
NSF (NSF International)  
PRCA (Professional Ropes Course Association)  
RESNET (Residential Energy Services Network, Inc.)  
SAE (SAE International)  
TCNA (Tile Council of North America)  
TIA (Telecommunications Industry Association)  
TMA (The Monitoring Association)  
ULSE (UL Standards & Engagement)

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

## AAFS

American Academy of Forensic Sciences  
410 North 21st Street  
Colorado Springs, CO 80904  
[www.aafs.org](http://www.aafs.org)

Teresa Ambrosius  
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## ADA (Organization)

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611  
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Paul Bralower  
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## ASHRAE

American Society of Heating, Refrigerating  
and Air-Conditioning Engineers, Inc.  
180 Technology Parkway  
Peachtree Corners, GA 30092  
[www.ashrae.org](http://www.ashrae.org)

Carmen King  
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Mark Weber  
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## ASME

American Society of Mechanical Engineers  
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New York, NY 10016  
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## ASME

American Society of Mechanical Engineers  
Two Park Avenue, M/S 6-2B  
New York, NY 10016  
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## ASTM

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428  
[www.astm.org](http://www.astm.org)

Laura Klineburger  
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## ATIS

Alliance for Telecommunications Industry  
Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
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Jen Huynh  
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## AWC

American Wood Council  
222 Catocin Circle , Suite 201  
Leesburg, VA 20175  
[www.awc.org](http://www.awc.org)

Bradford Douglas  
[bdouglas@awc.org](mailto:bdouglas@awc.org)

## AWS

American Welding Society  
8669 NW 36th Street, Suite 130  
Miami, FL 33166  
[www.aws.org](http://www.aws.org)

Kevin Bulger  
[kbulger@aws.org](mailto:kbulger@aws.org)

## AWWA

American Water Works Association  
6666 W. Quincy Avenue  
Denver, CO 80235  
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Paul Olson  
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## CSA

CSA America Standards Inc.  
8501 East Pleasant Valley Road  
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## CTA

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Catrina Akers  
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## ECIA

Electronic Components Industry  
Association  
13873 Park Center Road, Suite 315  
Herndon, VA 20171  
[www.ecianow.org](http://www.ecianow.org)

Laura Donohoe  
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## EMAP

Emergency Management Accreditation  
Program  
201 Park Washington Court  
Falls Church, VA 22046  
[www.emap.org](http://www.emap.org)

Nicole Ishmael  
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## ESTA

Entertainment Services and Technology  
Association  
271 Cadman Plaza, P.O. Box 23200  
Brooklyn, NY 11202  
[www.esta.org](http://www.esta.org)

Karl Ruling  
[standards@esta.org](mailto:standards@esta.org)

Richard Nix  
[standards@esta.org](mailto:standards@esta.org)

## IEEE

Institute of Electrical and Electronics  
Engineers  
445 Hoes Lane  
Piscataway, NJ 08854  
[www.ieee.org](http://www.ieee.org)

Suzanne Merten  
[s.merten@ieee.org](mailto:s.merten@ieee.org)

## IES

Illuminating Engineering Society  
120 Wall Street, Floor 17  
New York, NY 10005  
[www.ies.org](http://www.ies.org)

Patricia McGillicuddy  
[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)

**ITI (INCITS)**

InterNational Committee for Information  
Technology Standards  
700 K Street NW, Suite 600  
Washington, DC 20001  
www.incits.org

Deborah Spittle  
comments@standards.incits.org

Rachel Porter  
comments@standards.incits.org

**NEMA (ASC C136)**

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

David Richmond  
David.Richmond@nema.org

**NEMA (ASC C37)**

National Electrical Manufacturers  
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1300 North 17th Street, Suite 1752  
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www.nema.org

Brian Marchionini  
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**NEMA (ASC C82)**

National Electrical Manufacturers  
Association  
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www.nema.org

Michael Erbesfeld  
Michael.Erbesfeld@nema.org

**NENA**

National Emergency Number Association  
1700 Diagonal Road Suite 500, Suite 500  
Alexandria, VA 22314  
www.nena.org

Sandy Dyre  
crm@nena.org

**NFPA**

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

Dawn Michele Bellis  
dbellis@nfpa.org

**NSF**

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

Monica Milla  
mmilla@nsf.org

**PHTA**

Pool and Hot Tub Alliance  
2111 Eisenhower Avenue  
Alexandria, VA 22314  
www.PHTA.org

Blake Pavlik  
bpavlik@phta.org

**SCTE**

Society of Cable Telecommunications  
Engineers  
140 Philips Road  
Exton, PA 19341  
www.scte.org

Natasha Aden  
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**SIA**

Security Industry Association  
8405 Colesville Road, Suite 500  
Silver Spring, MD 20910  
www.siaonline.org

Edison Shen  
EShen@securityindustry.org

**TVC (ASC Z80)**

The Vision Council  
225 Reinekers Lane, Suite 700  
Alexandria, VA 22314  
www.z80asc.com

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**ULSE**

UL Standards & Engagement  
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**ULSE**

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**ULSE**

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# ISO & IEC Draft International Standards



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

## COMMENTS

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

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

## ORDERING INSTRUCTIONS

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

## ISO Standards

### Additive manufacturing (TC 261)

ISO/ASTM DIS 52948, Additive manufacturing for metals - Non-destructive testing and evaluation - Imperfections classification in PBF parts - 10/26/2023, \$107.00

ISO/ASTM DIS 52941, Additive manufacturing - System performance and reliability - Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application - 10/22/2023, \$58.00

### Air quality (TC 146)

ISO/DIS 12141, Stationary source emissions - Determination of low range mass concentration of dust - Manual gravimetric method - 10/21/2023, \$125.00

### Graphic technology (TC 130)

ISO/DIS 15339-1, Graphic technology - Printing from digital data across multiple technologies - Part 1: Principles - 10/22/2023, \$58.00

### Innovation management (TC 279)

ISO/DIS 56001, Innovation management - Innovation management system - Requirements - 10/22/2023, \$88.00

### Iron ores (TC 102)

ISO/DIS 8371.2, Iron ores for blast furnace feedstocks - Determination of the decrepitation index - 8/13/2023, \$40.00

### Non-destructive testing (TC 135)

ISO/DIS 32679, Non-destructive testing - Radiographic testing - Determination of the size of industrial radiographic gamma sources - 10/22/2023, \$46.00

### Nuclear energy (TC 85)

ISO/DIS 12183, Nuclear fuel technology - Controlled-potential coulometric measurement of plutonium - 10/21/2023, \$98.00

### Other

ISO/DIS 17234-1, Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants - 10/20/2023, \$93.00

### Solid mineral fuels (TC 27)

ISO/DIS 562, Hard coal and coke - Determination of volatile matter - 10/21/2023, \$46.00

ISO/DIS 1171, Coal and coke - Ash - 10/23/2023, \$33.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 19795-10, Information technology - Biometric performance testing and reporting - Part 10: Quantifying biometric system performance variation across demographic groups - 10/22/2023, \$88.00

## IEC Standards

100/3988/CD, IEC TS 63499 ED1: Encoding guidelines for interoperable master format - Application #6, 09/29/2023

### Capacitors and resistors for electronic equipment (TC 40)

40/3073/CD, IEC 62813 ED2: Lithium ion capacitors for use in electric and electronic equipment - Test methods for electrical characteristics, 10/27/2023

### Dependability (TC 56)

56/2000/FDIS, IEC 62506 ED2: Methods for product accelerated testing, 09/15/2023



**Electric road vehicles and electric industrial trucks (TC 69)**

69/909/FDIS, IEC 61851-24 ED2: Electric vehicle conductive charging system - Part 24: Digital communication between a DC EV supply equipment and an electric vehicle for control of DC charging, 09/15/2023

**Electrical Energy Storage (EES) Systems (TC 120)**

120/331/FDIS, IEC 62933-5-3 ED1: Electrical energy storage (EES) systems Part 5-3: Safety requirements for grid-integrated EES systems - Performing unplanned modification of electrochemical based system, 09/15/2023

**Electrical equipment in medical practice (TC 62)**

62C/876/CDV, IEC 60601-2-68/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-68: Particular requirements for the basic safety and essential performance of X-ray-based image-guided radiotherapy equipment for use with electron accelerators, light ion beam therapy equipment and radionuclide beam therapy equipment, 10/27/2023

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

48B/3053/CDV, IEC 60352-2 ED3: Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance, 09/29/2023

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

13/1907/FDIS, IEC 62057-3 ED1: Electrical energy meters - Test equipment, techniques and procedures - Part 3: Automatic meter testing system (AMTS), 09/15/2023

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

112/612(F)/FDIS, IEC 62631-3-2 ED2: Dielectric and resistive properties of solid insulating materials - Part 3-2: Determination of resistive properties (DC methods) - Surface resistance and surface resistivity, 08/25/2023

**Fibre optics (TC 86)**

86A/2335/CDV, IEC 60793-1-22 ED2: Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement, 10/27/2023

86A/2334/CDV, IEC 60793-1-46 ED2: Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in attenuation, 10/27/2023

86B/4794/CD, IEC 61753-021-03 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-03: Single-mode fibre optic connectors terminated as pigtails and patchcords for category OP - Outdoor protected environment, 10/27/2023

**Flat Panel Display Devices (TC 110)**

110/1553/CD, IEC TR 63340-1 ED1: Electronic displays for special applications - Part 1: General introduction, 10/27/2023

**Fluids for electrotechnical applications (TC 10)**

10/1201/CDV, IEC 60156 ED4: Insulating liquids - Determination of the breakdown voltage at power frequency - Test method, 10/27/2023

**Industrial-process measurement and control (TC 65)**

65C/1268/FDIS, IEC 61139-3 ED1: Industrial networks - Single-drop digital communication interface - Part 3: Wireless extensions, 09/15/2023

**Insulators (TC 36)**

36/585/FDIS, IEC 60437 ED3: Radio interference test on high-voltage insulators, 09/15/2023

**Lamps and related equipment (TC 34)**

34/1062/CDV, IEC 62386-105 ED2: Digital addressable lighting interface - Part 105: Particular requirements for control gear and control devices - Firmware transfer, 10/27/2023

**Lightning protection (TC 81)**

81/733/FDIS, IEC 62305-4 ED3: Protection against lightning - Part 4: Electrical and electronic systems within structures, 09/15/2023

81/734/FDIS, IEC 62561-4 ED3: Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners, 09/15/2023

**Maritime navigation and radiocommunication equipment and systems (TC 80)**

80/1087/CD, IEC 62065 ED3: Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, methods of testing and required test results, 10/27/2023

**Measuring relays and protection equipment (TC 95)**

95/541/CD, IEC 60255-27/AMD1 ED3: Amendment 1 - Measuring relays and protection equipment - Part 27: Product safety requirements, 09/29/2023

**Performance of household electrical appliances (TC 59)**

59K/376/FDIS, IEC 60704-2-13 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for cooking fume extractors, 09/15/2023

59F/480/FDIS, IEC/ASTM 62885-6 ED2: Surface cleaning appliances - Part 6: Wet hard floor cleaning appliances for household or similar use - Methods for measuring the performance, 09/15/2023

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

49/1425/CDV, IEC 62276 ED4: Single crystal wafers for surface acoustic wave (SAW) device applications - Specifications and measuring methods, 10/27/2023

49/1437/NP, Replaced by 49/1437A/NP, 10/27/2023

### **Power electronics (TC 22)**

22G/475(F)/FDIS, IEC 61800-9-2 ED2: Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification, 08/25/2023

22E/254/NP, PNW 22E-254 ED1: InterLink Converters (ILC) - Safety and Performance Requirements, 09/29/2023

22E/256/NP, PNW TS 22E-256 ED1: Power Electronic Converters part of Distributed Energy Resources (DER) - Test methods and guidance for assessment of functional requirements related to safety and power quality, 10/27/2023

### **Printed Electronics (TC 119)**

119/451/DTR, IEC TR 62899-304-1 ED1: Printed electronics - Part 304-1: Equipment - Sintering - Temperature measurement method for photonic sintering system, 09/29/2023

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

116/679/NP, PNW 116-679 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-24: Particular requirements for hand-held oscillating multifunction tools, 09/29/2023

### **Secondary cells and batteries (TC 21)**

21A/853/CD, IEC 62620 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications, 09/29/2023

### **Surface mounting technology (TC 91)**

91/1892/NP, PNW 91-1892 ED1: Materials for printed boards and other interconnecting structures - Part 2-XX: Reinforced base materials clad and unclad - Halogenated modified or unmodified resin system, woven E-glass laminate sheets of defined dissipation factor (less than 0,005 at 10 GHz) and flammability (vertical burning test), copper-clad for high speed applications, 10/27/2023

### **Switchgear and controlgear (TC 17)**

17C/902(F)/FDIS, IEC 62271-207 ED3: High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies, metal enclosed and solid-insulation enclosed switchgear for rated voltages above 1 kV, 08/25/2023

### **Wearable electronic devices and technologies (TC 124)**

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



# Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization - and IEC - the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### Additive manufacturing (TC 261)

[ISO/ASTM 52924:2023](#), Additive manufacturing of polymers - Qualification principles - Classification of part properties, \$116.00

### Air quality (TC 146)

[ISO 16000-41:2023](#), Indoor air - Part 41: Assessment and classification, \$157.00

### Aircraft and space vehicles (TC 20)

[ISO 24354:2023](#), General requirements for the payload interface of civil unmanned aircraft systems, \$77.00

[ISO 27026:2023](#), Space systems - Programme management - Breakdown of project management structures, \$116.00

### Cleaning equipment for air and other gases (TC 142)

[ISO 23139:2023](#), Biological equipment for treating air and other gases - Requirements and application guidance for deodorization in wastewater treatment plants, \$77.00

### Environmental management (TC 207)

[ISO 14066:2023](#), Environmental information - Competence requirements for teams validating and verifying environmental information, \$157.00

### Safety of toys (TC 181)

[ISO 8124-6:2023](#), Safety of toys - Part 6: Certain phthalate esters, \$210.00

[ISO 8124-12:2023](#), Safety of toys - Part 12: Microbiological safety, \$77.00

### Ships and marine technology (TC 8)

[ISO 22804:2023](#), Marine technology - General technical requirement of marine conductivity-temperature-depth (CTD) measuring instrument, \$157.00

### Sizing systems and designations for clothes (TC 133)

[ISO 20947-3:2023](#), Performance evaluation protocol for digital fitting systems - Part 3: Digital fitting performance - Gap, \$237.00

### Small tools (TC 29)

[ISO 9182-1:2023](#), Tools for pressing - Guide pillars - Part 1: Types, \$51.00

### Solar energy (TC 180)

[ISO 22975-4:2023](#), Solar energy - Collector components and materials - Part 4: Glazing material durability and performance, \$77.00

### Sports and recreational equipment (TC 83)

[ISO 23537-2:2023](#), Requirements for sleeping bags - Part 2: Fabric and material properties, \$51.00

### Thermal insulation (TC 163)

[ISO 6781-1:2023](#), Performance of buildings - Detection of heat, air and moisture irregularities in buildings by infrared methods - Part 1: General procedures, \$210.00

### Tourism and related services (TC 228)

[ISO 5103:2023](#), Tourism and related services - Dry stack boat storage - Minimum requirements for operations and service provision, \$77.00

### Transport information and control systems (TC 204)

[ISO 17573-3:2023](#), Electronic fee collection - System architecture for vehicle-related tolling - Part 3: Data dictionary, \$210.00

## ISO Technical Reports

### Corrosion of metals and alloys (TC 156)

[ISO/TR 16203:2023](#), Overview of methods available for particle-free erosion corrosion testing in flowing liquids, \$116.00

## ISO Technical Specifications

### Nanotechnologies (TC 229)

[ISO/TS 10818:2023](#), Nanotechnologies - Textiles containing nanomaterials and nanostructures - Superhydrophobic characteristics and durability assessment, \$116.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 24029-2:2023](#), Artificial intelligence (AI) - Assessment of the robustness of neural networks - Part 2: Methodology for the use of formal methods, \$157.00

[ISO/IEC 39794-4:2019/Amd 1:2023](#), - Amendment 1:

Information technology - Extensible biometric data interchange formats - Part 4: Finger image data - Amendment 1: Extension towards improved interoperability with ANSI/NIST-ITL, \$22.00

## IEC Standards

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

[IEC 63171-4 Ed. 1.0 en Cor.1:2023](#), Corrigendum 1 - Connectors for electrical and electronic equipment - Part 4: Detail specification for shielded or unshielded, free and fixed connectors with up to 8 ways for balanced single-pair data transmission with current carrying capacity - Mechanical mating information, pin assignment and additional requirements for Type 4, \$0.00

### **Printed Electronics (TC 119)**

[IEC 62899-202-9 Ed. 1.0 en:2023](#), Printed electronics - Part 202-9: Materials - Conductive ink - Printed patterns for mechanical test, \$95.00

# Accreditation Announcements (U.S. TAGs to ISO)

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## Transfer of TAG Administrator – U.S. TAG to ISO

### TC 165, Timber Structures

Effective September 11, 2023

The U.S. Technical Advisory Group to ISO **TC 165, Timber Structures** has voted to approve the transfer of TAG Administrator responsibilities from the American Society of Civil Engineers to APA - The Engineered Wood Association. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information or to submit comments by the September 11, 2023 deadline, please contact: Kevin Cheung, TC 165 TAG Chair, Western Wood Products Association, 522 SW Fifth Avenue, Suite 500, Portland, OR 97204-2122; phone: (503) 306-3471; email: [kcheung@wwpa.org](mailto:kcheung@wwpa.org) (please copy [jthompso@ansi.org](mailto:jthompso@ansi.org)). If no comments are received, this action will be formally approved on September 12, 2023.

# International Organization for Standardization (ISO)

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## Call for U.S. TAG Administrator

### ISO/TC 218 – Timber

**Comment Deadline: August 11, 2023**

ANSI has been informed that the American Society of Civil Engineers (ASCE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 218 – *Timber*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 218 operates under the following scope:

*Standardization of round, sawn and processed timber, and timber materials in and for use in all applications, including terminology, specifications and test methods.*

*Excluded: Those applications of timber as covered by ISO/ TC 165 "Timber structures".*

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

## Establishment of ISO Technical Committee

### ISO/TC 345 – Specialty metals and minerals

**Comment Deadline: August 11, 2023**

A new Technical Committee, ISO/TC 345 – *Specialty metals and minerals*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 345 operates under the following scope:

*Standardization in the field of specialty metals and minerals. It includes: terminology, classification, sampling, testing and chemical analysis methods, and delivery conditions. A list of specialty metals and minerals is included as follows: antimony, beryllium, cobalt, chromium, graphite, niobium, platinum group metals.*

*Excluded: Finished products; Sustainability issues; Mining, already covered by ISO/TC 82 "Mining"; Elements already covered by existing ISO technical committees: ISO/TC 18 "Zinc and zinc alloys", ISO/TC 20/SC 18 "Materials" (under ISO/TC 20 "Aircraft and space vehicles"), ISO/TC 26 "Copper and copper alloys", ISO/TC 79 "Light metals" (aluminum, titanium, magnesium), ISO/TC 132 "Ferroalloys" (manganese, chrome in ferroalloys), ISO/TC 155 "Nickel and nickel alloys", ISO/TC 183 "Copper, lead, zinc and nickel ores and concentrates", ISO/TC 298 "Rare earth", ISO/TC 333 "Lithium".*

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

# International Organization for Standardization (ISO)

## ISO Proposal for a New Field of ISO Technical Activity

### Urban Logistics

**Comment Deadline: September 22, 2023**

KATS, the ISO member body for South Korea, has submitted to ISO a proposal for a new field of ISO technical activity on Urban Logistics, with the following scope statement:

*Standardization in the field of urban logistics technology and services, including but not limited to terms, functions, assessments and evaluations, and requirements for economical, efficient and eco-friendly urban logistics.*

*The goal of the technical committee is to help build urban logistics technologies and services that are sustainable, socially and economically responsible.*

*Standardization activities are technologies and services for efficient and sustainable urban logistics required for cities that are constantly evolving and expanding due to rapid population growth and digital transformation.*

*Excluded: Standardization covered by*

- *ISO/TC 22 - Road vehicles*
- *ISO/TC 34 - Food products*
- *ISO/TC 92 - Fire safety*
- *ISO/TC 101 - Continuous mechanical handling equipment*
- *ISO/TC 122 - Packaging*
- *ISO/TC 176 - Quality management and quality assurance*
- *ISO/TC 204 - Intelligent transport systems*
- *ISO/TC 262 - Risk management*
- *ISO/TC 268 - Sustainable cities and communities*
- *ISO/TC 283 - Occupational health and safety management*
- *ISO/IEC JTC 1 - Information technology*
- *ISO/TC 308 - Chain of custody*
- *ISO/TC 315 - Cold chain logistics*
- *ISO/TC 321 - Transaction assurance in E-commerce*
- *ISO/TC 344 – Innovative logistics.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, September 22, 2023.



# International Organization for Standardization (ISO)

## ISO Proposal for the Reactivation of ISO Technical Activity

### Boilers and pressure vessels

**Comment Deadline: September 22, 2023**

SAC, the ISO member body for China, has submitted to ISO a proposal for the reactivation of ISO/TC 11 (Boilers and pressure vessels) which has been in ISO ‘standby’ mode for a number of years due to inactivity. The scope of ISO/TC 11 is as follows:

*Standardization of construction of boilers and pressure vessels.*

*Excluded:*

- *railway and marine boilers covered by ISO/TC 8;*
- *gas cylinders covered by ISO/TC 58;*
- *aircraft and vehicle components covered by ISO/TC 20;*
- *equipment used for fire-fighting covered by ISO/TC 21;*
- *personal safety equipment covered by ISO/TC 94;*
- *components of rotating or reciprocating devices;*
- *nuclear pressure equipment covered by ISO/TC 85;*
- *pipng systems;*
- *cryogenic vessels covered by ISO/TC 220.*

*Note:*

*Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.*

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, September 22, 2023.

# Registration of Organization Names in the United States

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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

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## Call for Comment

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

### Online Resources:

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

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

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

[https://www.wto.org/english/tratop\\_e/sps\\_e/sps\\_e.htm](https://www.wto.org/english/tratop_e/sps_e/sps_e.htm)

WTO Committee on Technical Barriers to Trade (TBT): [https://www.wto.org/english/tratop\\_e/tbt\\_e/tbt\\_e.htm](https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm)

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

Comment guidance:

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

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

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

Examples of TBTs: [https://tcc.export.gov/report\\_a\\_barrier/trade\\_barrier\\_examples/index.asp](https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp).

Report Trade Barriers: [https://tcc.export.gov/Report\\_a\\_Barrier/index.asp](https://tcc.export.gov/Report_a_Barrier/index.asp).

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

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

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

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

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



**BSR/ASHRAE Addendum a  
to ANSI/ASHRAE Standard 62.1-2022**

**Public Review Draft**

**Proposed Addendum a to  
Standard 62.1-2022, Ventilation and  
Acceptable Indoor Air Quality**

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://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](http://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](http://www.ashrae.org).

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

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**ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 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 proposed addendum adds corridors (ages 5 plus) to Table 6-1 Minimum Ventilation Rates in Breathing Zone. "Corridors" is not currently an occupancy category under Educational Facilities. These corridors differ from those in general and residential buildings (the only other two corridors listed in Table 6-1). Generally, corridors have relatively low occupancy and are not used for long-term storage. On the other hand, corridors in educational facilities (ages 5-8, ages 9 plus) have periodically high occupant density. In educational facilities (ages 9 plus), there are also lockers permanently in corridors, which likely contain contaminant sources.*

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

## Addendum a to 62.1-2022

*Modify Table 6-1 as shown below. The remainder of Table 6-1 is unchanged.*

**Table 6-1 Minimum Ventilation Rates in Breathing Zone**

Occupancy Category	People Outdoor Air Rate $R_p$		Area Outdoor Air Rate $R_a$		Default Values	Air Class	OS (6.2.6.1.4)
	cfm/person	L/s·person	cfm/ft <sup>2</sup>	L/s·m <sup>2</sup>	Occupant Density		
					#/1000 ft <sup>2</sup> or #/100 m <sup>2</sup>		
<b>Educational Facilities</b>							
Art classroom	10	5	0.18	0.9	20	2	
Classrooms (ages 5 to 8)	10	5	0.12	0.6	25	1	
Classrooms (age 9 plus)	10	5	0.12	0.6	35	1	
Computer lab	10	5	0.12	0.6	25	1	
<u>Corridors (ages 5 plus)</u>	<u>-</u>	<u>-</u>	<u>0.12</u>	<u>0.6</u>	<u>-</u>	<u>1</u>	
Daycare sickroom	10	5	0.18	0.9	25	3	
Daycare (through age 4)	10	5	0.18	0.9	25	2	
Lecture classroom	7.5	3.8	0.06	0.3	65	1	✓
Lecture hall (fixed seats)	7.5	3.8	0.06	0.3	150	1	✓
Libraries	5	2.5	0.12	0.6	10		
Media center	10	5	0.12	0.6	25	1	
Multiuse assembly	7.5	3.8	0.06	0.3	100	1	✓

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality*  
First Public Review Draft

Music/theater/dance	10	5	0.06	0.3	35	1	✓
Science laboratories	10	5	0.18	0.9	25	2	
University/college laboratories	10	5	0.18	0.9	25	2	
Wood/metal shop	10	5	0.18	0.9	20	2	

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**Modify Table J-1 as shown below. The remainder of Table J-1 is unchanged.**

**Table J-1 Rate Rationale (see Table 6-1)**

Occupancy Category	Description/Rationale	People Outdoor Air Rate, cfm/person	People Outdoor Air Rate, L/s/person	Area Outdoor Air Rate, cfm/ft <sup>2</sup>	Area Outdoor Air Rate, L/s·m <sup>2</sup>	Air Class
<b>Educational Facilities</b>						
Art classroom	Occupant activity is moderate. There is considerable aerobic activity in addition to the occupants being very vocal. Also, the occupants are primarily children with higher metabolic rates. There are significant space-related contaminants, including open paints, glues, and cleaning agents. The presence of these open contaminants result in this space being classified as Air Class 2.	10	5	0.18	0.9	2
Classrooms (ages 5 through 8)	Occupant activity is primarily sedentary (seated or light walking). However, occupants are generally more vocal. Also, the occupants are primarily children with higher metabolic rates and often more bioeffluents. There are some significant space-related contaminants, typically stored arts-and-crafts supplies and cleaning agents.	10	5	0.12	0.6	1
Classrooms (age 9 plus)	Occupant activity is primarily sedentary (seated or light walking). However, occupants are generally more vocal. Also, the occupants are primarily children with higher metabolic rates and often more bioeffluents. There are some significant space-related contaminants, typically stored arts-and-crafts supplies and cleaning agents.	10	5	0.12	0.6	1
Computer lab	Occupant activity is primarily sedentary (seated or light walking). However, occupants are generally more vocal. Also, the occupants can be children/young adults with higher metabolic rates. There are some significant space-related contaminants, typically toner cartridges and paper.	10	5	0.12	0.6	1
<u>Corridors (ages 5 plus)</u>	<u>Occupant activity is moderate (standing, walking, talking). Occupants are generally more active, resulting in higher metabolic rates. During transition between classes, occupant density is considerable, creating higher levels of space-related contaminants related to the people using the space. The presence of permanent lockers (and their associated contents) also creates moderate contaminant generation.</u>	<u>—</u>	<u>—</u>	<u>0.12</u>	<u>0.6</u>	<u>1</u>





**BSR/ASHRAE Addendum ag  
to ANSI/ASHRAE Standard 62.1-2022**

**Public Review Draft**

# **Proposed Addendum ag to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality**

**Fifth Public Review (July 2023)  
(Draft shows Proposed **Independent Substantive Changes**  
to Previous Public Review Draft)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://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](http://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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BSR/ASHRAE Addendum ag to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality*  
Fifth Independent Substantive Change Public Review Draft

**(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 proposed addendum replaces the calculation method in current Normative Appendix B2 (Separation of Exhaust Outlets and Outdoor Air Intakes) with a new method based upon ASHRAE Research Project 1635 (2016). This research was sponsored by ASHRAE Technical Committee (TC) 4.3. The purpose of this Research Project is to provide a simple, yet accurate procedure for calculating the minimum distance required between the outlet of an exhaust system and the outdoor air intake to a ventilation system to avoid re-entrainment of exhaust gases. The new procedure addresses the technical deficiencies in the simplified equations and tables that are currently in Standard 62.1-2022 Ventilation for Acceptable Indoor Air Quality and model building codes. This new procedure makes use of the knowledge provided in Chapter 45 of the 2015 ASHRAE Handbook—Applications and was tested against various physical modeling and full-scale studies.*

*The study demonstrated that the new method is more accurate than the existing Standard 62.1 equation which under-predicts and over-predicts observed dilution more frequently than the new method. In addition, the new method accounts for the following additional important variables: stack height, wind speed and hidden versus visible intakes. The new method also has theoretically justified procedures for addressing heated exhaust, louvered exhaust, capped heated exhaust and horizontal exhaust that is pointed away from the intake.*

*The equation for determining heated exhaust is derived from Equation 1-10 in “User’s guide for the Industrial Source Complex (ISC3) Dispersion Models” (EPA 1995).*

### References

*EPA. 1995. User’s guide for the Industrial Source Complex (ISC3) Dispersion Models, Vol. 2: Description of Model Algorithms. U.S. Environmental Protection Agency, Research Triangle Park, OAQPS, Research Triangle Park, NC., EPA-454/B-95-003B.*

***[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 current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]***

## **Addendum ag to 62.1-2022**

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***Modify Section B1.1 of Normative Appendix B as shown below.***

**B1.1 Application.** Exhaust outlets and outdoor air intakes or other openings shall be separated in accordance with Section B2.

### **Exceptions to B1.1.**

1. Laboratory fume hood exhaust air outlets shall be in compliance with NFPA 45<sup>5</sup> and ANSI/AIHA Z9.5<sup>6</sup>

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2. Laboratory and industrial ventilation process exhausts are not addressed by this procedure.
3. Large, industrial sized combustion flues and stacks are not addressed by this procedure.
4. Packaged units that have integral exhaust and intake locations are not addressed by this procedure.
5. Evaporative heat rejection equipment is not addressed by this procedure. ~~Cooling tower~~ The minimum separation distances for heat rejection equipment shall conform to Table 5-1.
6. Diesel exhaust is not addressed by this procedure.
7. Separation distances do not apply when exhaust and outdoor air intake systems are controlled such that they cannot operate simultaneously.

**Modify Table B2-1 of Normative Appendix B as shown below.**

**Table B2-1. Minimum Dilution Factors, DF**

Exhaust Type	Minimum Dilution Factor, DF
Class 1 air exhaust/relief outlet	5
Class 2 air exhaust/relief outlet	10
Class 3 air exhaust/relief outlet	50
Class 4 air exhaust/relief – based on kitchen grease hoods	300
Wood burning kitchen exhaust	700
General Boilers, Natural Gas and Fuel Oil, Based on NOx ppm factor (see Note 1)	2.8*p
Garage entry, automobile loading area, or drive-in queue (light duty gasoline vehicles)	50
<del>Diesel generators, diesel truck loading area or dock, diesel bus parking/idling area (see Note 2)</del>	<del>2000*e</del>
<b>Notes:</b>	
1. p is <u>the maximum ppm-NOx ppm emitted from the boiler flue</u> . If the <u>maximum NOx ppm</u> is 10 ppm, p = 10 and DF = 28	
2. <del>e = 1</del> <u>e = 1</u> <del>the efficiency of the odor filter. (e.g. if the filter is 80% efficient, e = 0.2 and DF = 400)</del>	



**BSR/ASHRAE Addendum b  
to ANSI/ASHRAE Standard 62.1-2022**

**Public Review Draft**

# **Proposed Addendum b to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality**

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://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](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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## FOREWORD

In Table 6-1, a General Break room is listed as having an area outdoor air rate of 0.06 cfm/ft<sup>2</sup> (0.3 L/s·m<sup>2</sup>) and an occupant density of 25 #/1000 ft<sup>2</sup> (#/100 m<sup>2</sup>). An Office Building Breakroom has an area outdoor air rate of 0.12 cfm/ft<sup>2</sup> (0.6 L/s·m<sup>2</sup>) and an occupant density of 50 #/1000 ft<sup>2</sup> (#/100 m<sup>2</sup>). The rate rationales for both types of break rooms are identical in Informative Appendix J, and the area outdoor rate is listed as 0.06 cfm/ft<sup>2</sup> (0.3 L/s·m<sup>2</sup>) for both break rooms in that appendix. This proposed addendum corrects the discrepancy by deleting the Office Building break room from Table 6-1 Minimum Ventilation Rates in Breathing Zone. It also revises Tables G-1, J-1, and M-1 for consistency.

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

## Addendum b to 62.1-2022

*Modify Table 6-1 as shown below. The remainder of Table 6-1 is unchanged.*

**Table 6-1 Minimum Ventilation Rates in Breathing Zone**

Occupancy Category	People Outdoor Air Rate $R_p$		Area Outdoor Air Rate $R_a$		Default Values		Air Class	OS (6.2.6.1.4)
	cfm/person	L/s·person	cfm/ft <sup>2</sup>	L/s·m <sup>2</sup>	Occupant Density			
					#/1000 ft <sup>2</sup> or #/100 m <sup>2</sup>			
<b>Office Buildings</b>								
<del>Breakrooms</del>	<del>5</del>	<del>2.5</del>	<del>0.12</del>	<del>0.6</del>	50		4	
Main entry lobbies	5	2.5	0.06	0.3	10		1	✓
Occupiable storage rooms for dry materials	5	2.5	0.06	0.3	2		1	
Office space	5	2.5	0.06	0.3	5		1	✓
Reception areas	5	2.5	0.06	0.3	30		1	✓
Telephone/data entry	5	2.5	0.06	0.3	60		1	✓

*Modify Table G-1 as shown below.*

**Table G-1 Minimum Outdoor and Primary Airflow Rates**

	Zone Minimum Airflow	
	Outdoor Airflow Rate $R_s$	Minimum Primary Airflow Rate, $R_{pz}$

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality*  
 First Public Review Draft

<b>Occupancy Category</b>	<b>cfm/ft<sup>2</sup></b>	<b>L/s·m<sup>2</sup></b>	<b>cfm/ft<sup>2</sup></b>	<b>L/s·m<sup>2</sup></b>
<b>Educational Facilities</b>				
Classrooms (ages 5 to 8)	0.65	3.25	1.12	5.60
Classrooms (ages 9 plus)	0.82	4.10	1.41	7.05
Computer lab	0.65	3.25	1.12	5.60
Media center	0.65	3.25	1.12	5.60
Music/theater/dance	0.72	3.60	1.24	6.20
Multiuse assembly	1.42	7.10	2.45	12.25
<b>General</b>				
<u>Break rooms</u>	<u>0.43</u>	<u>2.4</u>	<u>0.74</u>	<u>4.13</u>
Conference/meeting	0.44	2.20	0.76	3.80
Corridors	0.11	0.55	0.19	0.95
<b>Office Buildings</b>				
<del>Breakrooms</del>	<del>0.65</del>	<del>3.25</del>	<del>1.12</del>	<del>5.60</del>
Main entry lobbies	0.19	0.95	0.33	1.65
Occupiable storage rooms for dry materials	0.12	0.60	0.21	1.05
Office space	0.15	0.75	0.26	1.30
Reception areas	0.37	1.85	0.64	3.20
Telephone/data entry	0.63	3.15	1.09	5.45
<b>Public Assembly Spaces</b>				
Libraries	0.30	1.50	0.52	2.60

**Modify Table J-1 as shown below. The remainder of Table J-1 is unchanged.**

**Table J-1 Rate Rationale (see Table 6-1) (Continued)**

Occupancy Category	Description/Rationale	People Outdoor Air Rate, cfm/person	People Outdoor Air Rate, L/s/person	Area Outdoor Air Rate, cfm/ft <sup>2</sup>	Area Outdoor Air Rate, L/s·m <sup>2</sup>	Air Class
<b>Food and Beverage Service, General</b>						
Break rooms	Occupant activity is primarily sedentary (seated). There are limited space-related contaminants.	5	2.5	0.06	0.3	
Coffee stations	Occupant activity is primarily sedentary. There are limited space-related contaminants.	5	2.5	0.06	0.3	
Conference/meeting	Occupant activity is primarily sedentary (seated). There are no significant space-related contaminants.	5	2.5	0.06	0.3	1
Corridors	Persons passing through the corridor are considered to be transitory and thus not occupants. There are no significant space-related contaminants.	—	—	0.06	0.3	1
Occupiable storage rooms for liquids or gels	Occupant activity is primarily sedentary (seated) The concentration of stored products increases the level of space-related contaminants. Current ventilation rate is consistent with other minimal/transient occupancy environments.	5	2.5	0.12	0.6	2
<b>Office Buildings</b>						
<del>Breakrooms</del>	<del>Occupant activity is primarily sedentary (seated). There are limited space-related contaminants.</del>	<del>5</del>	<del>2.5</del>	<del>0.06</del>	<del>0.3</del>	<del>1</del>
Main entry lobbies	Occupant activity is primarily transitory light walking. There are few anticipated space-related contaminants.	5	2.5	0.06	0.3	1
Occupiable storage rooms for dry materials	Occupant activity is primarily sedentary (seated). The concentration of stored products increases the level of space-related contaminants; however, dry material emissions are expected to be low.	5	2.5	0.06	0.3	1
Office space	Occupant activity is primarily sedentary (seated). There are no significant space-related contaminants.	5	2.5	0.06	0.3	1
Reception areas	Occupant activity is primarily sedentary (seated). There are no significant space-related contaminants.	5	2.5	0.06	0.3	1
Telephone/data entry	Occupant activity is primarily sedentary (seated). There are no significant space-related contaminants.	5	2.5	0.06	0.3	1



**Modify Table M-1 as shown below. The remainder of Table M-1 is unchanged.**

**Table M-1 Check Table for the Ventilation Rate Procedure (VRP) (Continued)**

Occupancy Category	Combined Outdoor Air Rate ( $R_c$ )	
	cfm/ft <sup>2</sup>	L/s· m <sup>2</sup>
<b>Food and Beverage Service, General</b>		
Break rooms	0.25	1.23
Coffee stations	0.21	1.07
Conference/meeting	0.41	2.07
Corridors	0.08	0.40
Occupiable storage rooms for liquids or gels	0.17	0.87
<b>Office Buildings</b>		
<del>Breakrooms</del>	<del>0.49</del>	<del>2.47</del>
Main entry lobbies	0.15	0.73
Occupiable storage rooms for dry materials	0.09	0.47
Office space	0.11	0.57
Reception areas	0.28	1.40
Telephone/data entry	0.48	2.40



**BSR/ASHRAE Addendum f  
to ANSI/ASHRAE Standard 15-2022**

**First Public Review Draft**

**Proposed Addendum f to  
Standard 15-2022, Safety Standard  
for Refrigeration Systems**

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

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

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## FOREWORD

*This proposed addendum clarifies the precedence of specific requirements over general requirements within ANSI/ASHRAE Standard 15. Language added to Section 11 is consistent in approach with language that is currently present in the model codes (e.g., International Mechanical Code).*

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

### **Addendum f to Standard 15-2022**

***Modify Section 11 as follows. The remainder of Section 11 remains unchanged.***

## **11. PRECEDENCE WITH CONFLICTING REQUIREMENTS**

**11.1 Conflicts Within this Standard.** Where there is a conflict between a general requirement and a specific requirement in this standard, the specific requirement shall govern.

**11.2 Conflicts with Other Codes.** Where there is a conflict between this standard and local building, electrical, fire, mechanical, or other adopted codes, their provisions *shall* take precedence unless otherwise stated in those codes. No provision in this standard *shall* be deemed to restrict the authority of local building, electrical, fire, mechanical, or other officials from approving plans, performing inspections, allowing use of alternative methods and/or materials, or otherwise enforcing adopted codes.



**BSR/ASHRAE Addendum g  
to ANSI/ASHRAE Standard 15-2022**

**First Public Review Draft**

# **Proposed Addendum g to Standard 15-2022, Safety Standard for Refrigeration Systems**

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

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

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## FOREWORD

*This proposed addendum clarifies refrigerant detection system requirements upon failure of a self-diagnosis check.*

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

### Addendum g to Standard 15-2022

***Modify Section 7 as follows. The remainder of Section 7 remains unchanged.***

## 7. PRECEDENCE WITH CONFLICTING REQUIREMENTS

[ ... ]

**7.6.2.4\*** The *refrigerant detection system shall* comply with the following:

[ ... ]

- f. Upon failure of a self-diagnostic check, energize ~~Energize~~ *air circulation fans* of the equipment ~~upon failure of a self diagnostic check.~~
- g. Where required per Section 7.6.4, and upon failure of a self-diagnostic check, activate the mechanical ventilation system serving the space or *connected spaces*.
- hg. Generate an output signal in not more than 30 seconds when exposed to a *refrigerant* concentration of 25% *LFL* (+0%, -1%).

[ ... ]

Tracking number 42i127r1 et al  
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Multiple revisions to 42i127r1, 53i152r1, 58i106r1, & 401i32r1

Revision to NSF/ANSI 42-2022  
Issue 123 Revision 1 (July 2023)

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

## NSF/ANSI 42 Drinking Water Treatment Units – Aesthetic Effects

⋮

### Normative Annex 4

#### Methods and procedures to minimize premature filter plugging

⋮

#### N-4.2 Mechanical filtration of waters

The water source used to create test waters shall be filtered with mechanical filtration that meets or exceeds NSF/ANSI 42 nominal particulate reduction Class I performance. Carbon or other absorptive / adsorptive media shall not be used for source waters that require total organic carbon (TOC) unless an explicit addition of TOC is specified in the test method.

When the evaluation of the system is at an extended on/off cycle (10% on / 90% off), extended test period (> 2 wk) or the systems are known to plug, test waters shall be filtered with a nonabsorptive / adsorptive media with a rating of 0.45 μm or smaller. For chemical injection test rigs, the filtration shall be performed prior to the addition of the contaminant and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs, the filtration shall be performed prior to the test unit and shall not alter or enhance the performance of the systems under test (with the exception fo preventing premature plugging). For tank style test rigs that use filtration prior to the test unit, the influent sample shall be taken after the filtration and before the test unit.

⋮

## NSF/ANSI 53 Drinking Water Treatment Units — Health Effects

⋮

### Normative Annex 5

#### Methods and procedures to minimize premature filter plugging

⋮

#### N-5.2 Mechanical filtration of waters

The water source used to create test waters shall be filtered with mechanical filtration that meets or exceeds NSF/ANSI 42 nominal particulate reduction class I performance. Carbon or other absorptive / adsorptive media shall not be used for source waters that require total organic carbon (TOC) unless an explicit addition of TOC is specified in the test method.

When the evaluation of the system is at an extended on/off cycle (10% on / 90% off), extended test period (> 2 wk) or the systems are known to plug, test waters shall be filtered with a nonabsorptive / adsorptive media with a rating of 0.45 μm or smaller. For chemical injection test rigs, the filtration shall be performed prior to the addition of the contaminant and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs, the filtration shall be performed prior to the test unit and shall not alter or enhance the performance of the systems under test (with the exception fo preventing premature plugging). For tank style test rigs that use filtration prior to the test unit, the influent sample shall be taken after the filtration and before the test unit.

⋮

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Revision to NSF/ANSI 42-2022  
 Issue 123 Revision 1 (July 2023)

## NSF/ANSI 58 Reverse Osmosis Drinking Water Treatment Systems

⋮

### Normative Annex 1

#### Methods and procedures to minimize premature filter plugging

⋮

#### N-1.2 Mechanical filtration of waters

The water source used to create test waters shall be filtered with mechanical filtration that meets or exceeds NSF/ANSI 42 nominal particulate reduction Class I performance. Carbon or other absorptive / adsorptive media shall not be used for source waters that require total organic carbon (TOC) unless an explicit addition of TOC is specified in the test method.

When the evaluation of the system is at an extended on/off cycle (10% on / 90% off), extended test period (> 2 wk) or the systems are known to plug, test waters shall be filtered with a nonabsorptive / adsorptive media with a rating of 0.45 µm or smaller. For chemical injection test rigs, the filtration shall be performed prior to the addition of the contaminant and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs, the filtration shall be performed prior to the test unit and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs that use filtration prior to the test unit, the influent sample shall be taken after the filtration and before the test unit.

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## NSF/ANSI 401 Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants

⋮

### Normative Annex 4

#### Methods and procedures to minimize premature filter plugging

⋮

#### N-4.2 Mechanical filtration of waters

The water source used to create test waters shall be filtered with mechanical filtration that meets or exceeds NSF/ANSI 42 nominal particulate reduction Class I performance. Carbon or other absorptive / adsorptive media shall not be used for source waters that require total organic carbon (TOC) unless an explicit addition of TOC is specified in the test method.

When the evaluation of the system is at an extended on/off cycle (10% on / 90% off), extended test period (> 2 wk) or the systems are known to plug, test waters shall be filtered with a nonabsorptive / adsorptive media with a rating of 0.45 µm or smaller. For chemical injection test rigs, the filtration shall be performed prior to the addition of the contaminant and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs, the filtration shall be performed prior to the test unit and shall not alter or enhance the performance of the systems under test (with the exception of preventing premature plugging). For tank style test rigs that use filtration prior to the test unit, the influent sample shall be taken after the filtration and before the test unit.

#### **Rationale:**

***This ballot adds language specific to tank style test rigs under methods and procedures to minimize premature filter plugging. It allows use of a mechanical filter prior to the test unit that does not impact the chemistry requirements of the standard.***

## BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

### 1. Over the Air (Remote) Software/Firmware Updates

#### PROPOSAL

#### SUPPLEMENT SB – SAFETY OF SMART ENABLED HOUSEHOLD ELECTRIC STORAGE TANK WATER HEATERS

##### SB1 Scope

SB1.1 These requirements apply to household electric storage tank water heaters intended to receive and respond to communication signals or data. For example, relating to power billing rate, or demand response, or remote operation, monitoring, or updates communication signals from a remote user interface, such as a smart phone or computer.

##### SB6 Remote Safety Firmware/Safety Software Updates

SB6.1 The following clauses apply when the manufacturer declares the water heater has Class B or Class C firmware or software and has the functionality to remotely update this safety firmware or software.

Note: An update occurs when firmware or software replaces or modifies the previous version of the Class B or Class C firmware or software. Additionally, an update occurs when the same version of Class B or Class C firmware or software is replaced during the remote update process.

For example, consider a software update that includes both Class A and Class B software. If the Class A software is a modified version of the original and the Class B software has not been modified, though will be re-installed on a microcontroller, then this is considered a software update and subjected to the relevant requirements of this section SB6.

SB6.2 The Class B or C firmware or software intended to be updated, shall comply with UL 60730-1 Clause H.11.12, Controls Using Software.

SB6.3 The remotely actuated control function, including the software update function, shall comply with UL 60730-1, 5th edition, Clause H.11.12.4, Remotely Actuated Control Functions.

With respect to transmission faults, Note 1 of Clause H.11.12.4.1.3.1, Transmission, is considered normative.

Note: Remotely actuated control functions may be connected to separate, independent devices, which may themselves contain control functions or provide other information. Any data exchange between these devices shall not compromise the integrity of the Class B or Class C control function. A remotely actuated control function is a function providing any operation by control devices through external means. This includes, but is not limited to, (a) the use of communication lines/protocols, (b) additional hardware and/or software, (c) IR/RF transmission, or all combinations of a) to c) via Internet using, for example modems, portable telephones, etc.

SB6.4 User authorization is required prior to any remote update of Class B or C firmware or software. This will be evaluated in accordance with UL 60730-1, Clause H.11.12.4.4.3.

Note: User authorization can be a one-time event. This one-time event may be when the consumer registers their appliance with the manufacturer, or downloads the application needed to remotely operate the appliance on their smart device (e.g. cell phone, tablet, etc.).

SB6.5 The remote update of firmware or software shall occur when the appliance is in a ready-state, that is, with all loads de-energized (e.g., a 'standby' condition where the water heater would not allow a call for a heat cycle to begin). The software that enforces the appliance to be in a ready-state shall be at least Class A.



SB6.6 The correct operation of the water heater's safety functions shall be maintained after the Class B or C firmware or software is updated.

Note: When determining which safety functions need to be verified after the update has been completed, consideration is to be given to the specific aspects of the software that have been updated.

Compliance is checked by a functional test of a REMOTE software update and then a functional test to verify the proper operation of the water heater's protective control functions.

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## **BSR/UL 1776, Standard for Safety for High-Pressure Cleaning Machines**

### **1. UL 1776 revisions including: Correction to markings for three-phase products**

#### **PROPOSAL**

113.5.4 With reference to [16.1.1](#), the following markings are required for three phase products with a voltage rating exceeding 150 volts to ground, that are not provided with an attachment plug:

- a) The power supply cord is provided with the following marking: "WARNING:" and the following or the equivalent: "Risk of Electric Shock and Fire. Use a UL Certified/Listed grounding type plug rated for \_\_\_\_ volts, \_\_\_\_ amperes, \_\_\_\_ phase, \_\_\_\_ wire. Plug to be selected and installed only by qualified service personnel. This appliance shall be provided with Class A GFCI protection for personnel."
- b) The conductors of the power supply cord are marked "L1", "L2", or "L3" for the ungrounded ("hot") supply conductors, "N" for a grounded ("neutral") supply conductor, and "G" for an equipment grounding lead.

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## **BSR/UL 2525, Standard for Safety for Two-Way Emergency Communications Systems for Rescue Assistance.**

### **1. Scope of UL 2525 to Include Emergency Call Boxes**

## **PROPOSAL**

### **1 Scope**

1.3 The products covered by this standard are intended to be used in combination with other devices to form a rescue assistance two-way emergency communication system. These products provide all monitoring, control, and indicating functions of the system. An installation document(s) provided with the product describes the various products needed to form a rescue assistance two-way emergency communication system and their intended use and installation. This standard includes systems used for emergency communication in the following situations:

- a) Exit stairs, stairways, or stair landings (Stairway Communications Systems)
- b) Elevator lobbies and landings (Elevator Landing Communications Systems)
- c) Occupant evacuation elevator lobbies (Occupant Evacuation Elevator Lobby Communications Systems)
- d) Area(s) of Rescue Assistance or Area(s) for Assisted Rescue Communications Systems
- e) Area(s) of Refuge Communications Systems
- f) Other similar two-way emergency communications systems (such as emergency call boxes for campus, parking lots, highways)

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