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Project Initiation Notification System (PINS)

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

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

Connor Barbaree; CBarbaree@ashrae.org | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

New Standard

BSR/ASHRAE Standard 145.4-202x, Method of Test for Assessing the Gas-Phase Performance of Air Cleaning Devices and Systems in a Duct-Chamber Apparatus (new standard)

Stakeholders: Testing labs, air cleaner manufacturers, engineers specifying filters and customers

Project Need: To establish a method of test for a combination chamber and duct system with recirculation that would fill the existing gap between chamber only draw down tests and single pass duct tests. Recirculation through a duct-chamber system has more similarities with building HVAC systems and would provide a test more representative of many real-world installations.

Interest Categories: User, Producer and General

Scope: To provide a laboratory test method for evaluating air cleaning devices for challenge gas removal in a combined duct-chamber system with continuous recirculation.

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

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New Standard

BSR/ASHRAE Standard 185.5-202x, Method of Testing HVAC-duct mounted Devices and Systems and In-Room devices for Particle and Microorganism Removal or Inactivation in a Chamber with a Recirculating Duct System (new standard)

Stakeholders: Consumers, design engineers, facility owners/operators, IAQ and energy use professionals

Project Need: There is no standard to address HVAC duct-mounted devices that need the chamber time or in-room devices that need HVAC airflow. In addition, intended species and byproducts introduced to the air are rarely measured. This proposed MOT will complement the existing tests and the one in the works, 185.3P, and should give all current devices at least one test method to use to show efficacy.

Interest Categories: User, Producer and General

Scope: The standard provides a method of test for evaluating in-room HVAC-duct mounted devices and in-room devices and systems for particle and microorganism removal or inactivation in a chamber with a recirculating duct system.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK82570-202x, New Specification for Sheath Materials for High Temperature Sensors (new standard)

Stakeholders: Thermocouples - Materials and Accessories Specifications Industry

Project Need: No standard exists for commonly used materials for high temperature sensors.

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

Scope: To promote the knowledge and advancement of the science of temperature measurement by:

- Aiding and advising the technical committees of the Society in the preparation of standard methods and in the development of apparatus;
- Sponsoring technical meetings and symposia independently or in cooperation with other organizations;
- Promoting research and development on applicable methods and associated materials;
- Formulating specifications and methods of test for temperature measuring apparatus and nomenclature;
- Assembling consolidated source books covering all aspects relating to accuracy, application, and usefulness of thermometric methods; and
- Coordinating the Committee activities with those of other ASTM Committees and other organizations.

ASTM (ASTM International)

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New Standard

BSR/ASTM WK82607-202x, New Test Method for Sieve Analysis of Granular Organic Infill Materials (new standard)

Stakeholders: Artificial Turf Surfaces and Systems Industry

Project Need: A consistent, repeatable standard method describing how to sample and determine the PSD of these infill materials via sieve analysis is needed to allow manufacturers to characterize their respective materials. A standard method would also allow specifiers and customers to verify compliance with the manufacturers specifications or published data. The method may also be useful in understanding the effects of wear/aging on these materials.

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

Scope: Over the past several years, the synthetic turf industry has seen a significant increase in the use of organic/plant-based infill materials. These materials include cork, wood, walnut shells, and olive pits, among others. There are currently no ASTM test methods specific to the determination of particle size distribution (PSD) of these infill materials.

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-5A-223-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [13 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-223-2021)

Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

Scope: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the post-weld heat treated (PWHT) condition, using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

AWS (American Welding Society)

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Revision

BSR/AWS B2.1-5A-224-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3 and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-224-2021)

Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

Scope: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the post-weld heat treated (PWHT) condition, using manual gas tungsten arc welding followed by manual shielded arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

AWS (American Welding Society)

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Revision

BSR/AWS B2.1-5A-225-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), IN521 and ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-225-2021)

Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

Scope: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the post-weld heat treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

AWS (American Welding Society)

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Revision

BSR/AWS B2.1-5A-226-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), IN521, ER90S-B3, and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-226-2021)

Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

Scope: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the post-weld heat treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root, followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

AWS (American Welding Society)

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Reaffirmation

BSR/AWS B2.1-5A-222-2021 (R202x), Specification (SWPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-5A-222-2021)

Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

Scope: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the post-weld heat treated (PWHT) condition, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

AWS (American Welding Society)

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New Standard

BSR/AWS C4.9/C4.9M-202x, Recommended Practices for Oxyacetylene Cutting of Steel (new standard)

Stakeholders: Welding professionals involved in steel cutting.

Project Need: Welding industry needs recommended practices for oxyacetylene cutting of steel.

Interest Categories: Producers, users, and general interest

Scope: This recommended practices for oxyacetylene cutting include the latest procedures to be used in conjunction with oxyacetylene equipment and the latest safety recommendations. Complete lists of equipment are available from individual manufacturers.

CSA (CSA America Standards Inc.)

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Revision

BSR Z21.40.4-202x, Performance Testing and Rating of Gas-Fired, Air-Conditioning Heat Pump Appliances (same as CSA 2.94) (revision and redesignation of ANSI Z21.40.4-1996 (R2022) and Z21.40.4a-1998 (R2022))

Stakeholders: Manufacturers and certification agencies

Project Need: Numerous advancements in safety and energy conservation methods were developed since this Standard was created in 1996.

Interest Categories: Consumer or User Interest Government Agency General Interest Gas Supporter Manufacturer Research / Testing

Scope: This Standard establishes methods of testing and rating for constant volume and/or variable refrigerant flow gas-fired, heat pumps for space-conditioning performance. The procedures apply to factory-made, space-conditioning, unitary heat pumps which utilize gas as the primary fuel. This includes engine-driven heat pumps, absorption-cycle heat pumps, desiccant type heat pumps, and other gas-fired heat pumps. The heat source/sink for the heat pumps may be outdoor air, ground water, or closed-loop water/brine. The heat pumps may provide the functions of year-round space conditioning either by direct heating and cooling of air or indirectly by the production of heated and chilled water.

HI (Hydraulic Institute)

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Reaffirmation

BSR/HI 4.1-4.6-2017 (R202x), Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test (reaffirmation of ANSI/HI 4.1-4.6-2017)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: The need of this project is to reaffirm the standard.

Interest Categories: General, producers and users.

Scope: This standard covers the unique features of sealless, magnetically driven rotary pumps and includes sections on types and nomenclature, definitions, design and applications, installation, operation, and maintenance and test.

HL7 (Health Level Seven)

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Revision

BSR/HL7 V2.9.1-202x, Health Level Standard Standard Version 2.9.1 - An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision and redesignation of ANSI/HL7 V2.9-2019)

Stakeholders: Healthcare providers, HIT vendors, public health, data aggregators, pharmaceutical

Project Need: Need to add support for exchanging Gender Harmony Concepts to the existing HL7 version 2.9 standard.

Interest Categories: Affiliates, Vendors/Manufacturers, Healthcare Providers/Users, Government Agencies/Universities, Payers/Third Party Administrators, Pharmaceuticals, Consultants, General Interest

Scope: This is an updated to the v2.9 standard to include new capabilities including new segments to share data related to gender concepts as being defined by the HL7 Gender Harmony project. New concepts supported include gender identity, pronouns, recorded gender or sex and sex for clinical use.

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

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National Adoption

INCITS/ISO/IEC 20547-3:2020 [202x], Information technology - Big data reference architecture - Part 3:

Reference architecture (identical national adoption of ISO/IEC 20547-3:2020)

Stakeholders: ICT Industry

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the big data reference architecture (BDRA). The reference architecture includes concepts and architectural views.

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

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National Adoption

INCITS/ISO/IEC 23053:2022 [202x], Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML) (identical national adoption of ISO/IEC 23053:2022)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Establishes an Artificial Intelligence (AI) and Machine Learning (ML) framework for describing a generic AI system using ML technology. The framework describes the system components and their functions in the AI ecosystem. This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that are implementing or using AI systems.

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

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

National Adoption

INCITS/ISO/IEC 38507:2022 [202x], Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations (identical national adoption of ISO/IEC 38507:2022)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Provides guidance for members of the governing body of an organization to enable and govern the use of Artificial Intelligence (AI), in order to ensure its effective, efficient and acceptable use within the organization.

MHI (Material Handling Industry)

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

Revision

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

Stakeholders: Manufacturers, distributors, regulators, and users of industrial steel storage racks, which are used throughout material handling operations across several industry sectors.

Project Need: This project is intended to update ANSI MH16.1-2021 with the seismic loading guidance published in ASCE/SEI 7-22, Minimum Design Loads and Associated Criteria for Buildings and Other Structures. ANSI MH16.1-2021 normatively references ASCE/SEI 7-16.

Interest Categories: Manufacturer, User, Distributor, Government, General Interest

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

NEMA (National Electrical Manufacturers Association)

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National Adoption

BSR/NEMA 61131-6-202x, Programmable Controllers (PLC) - Part 6: for Functional Safety (identical national adoption of IEC 61131-6-2012)

Stakeholders: PLC Manufacturers, Systems Integrators, Advanced Manufacturing.

Project Need: This project is needed to adopt IEC 61131-6-2012 as a standard.

Interest Categories: Producer, User, and General Interest

Scope: This Part of the IEC 61131 series specifies requirements for programmable controllers (PLCs) and their associated peripherals, as defined in Part 1, which are intended to be used as the logic subsystem of an electrical/electronic/programmable electronic (E/E/PE) safety-related system. A programmable controller and its associated peripherals complying with the requirements of this part is considered suitable for use in an E/E/PE safety-related system and is identified as a functional safety programmable logic controller (FS-PLC). An FS-PLC is generally a hardware (HW) / software (SW) subsystem. An FS-PLC may also include software elements, for example predefined function blocks.

NEMA (National Electrical Manufacturers Association)

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National Adoption

BSR/NEMA 61131-9-202x, Programmable Controllers (PLC) - Part 9: SingleDrop Communication Interface for Small Sensors and Actuators (identical national adoption of IEC 61131-9-2013)

Stakeholders: PLC Manufacturers, Systems Integrators, Advanced Manufacturing.

Project Need: This project is needed to adopt IEC 61131-9 2013 Programmable Controllers (PLC) - Part 9: Single Drop Communication Interface for Small Sensors and Actuators, as an standard.

Interest Categories: Producer, User, and General Interest

Scope: This part of IEC 61131 specifies a single-drop digital communication interface technology for small sensors and actuators SDCI (commonly known as IO-Links), which extends the traditional digital input and digital output interfaces as defined in IEC 61131-2 towards a point-to-point communication link. This technology enables the transfer of parameters to Devices and the delivery of diagnostic information from the Devices to the automation system. This technology is mainly intended for use with simple sensors and actuators in factory automation, which include small and cost-effective microcontrollers. This part specifies the SDCI communication services and protocol (physical layer, data link layer and application layer in accordance with the ISO/OSI reference model) for both SDCI Masters and Devices. This part also includes EMC test requirements. This part does not cover communication interfaces or systems incorporating multiple point or multiple drop linkages, or integration of SDCI into higher level systems such as fieldbuses.

NEMA (National Electrical Manufacturers Association)

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Revision

BSR/NEMA SG-IPRM 1-202x, Smart Grid Interoperability Process Reference Manual (revision of ANSI/NEMA SG-IPRM 1-2016)

Stakeholders: Electric utility industry.

Project Need: The Smart Grid Interoperability Process Reference Manual consensus body identified several new topics to include in the standard.

Interest Categories: Producer, government, general interest, testing labs, user

Scope: The Interoperability Process Reference Manual (IPRM) defines a process by which industry stakeholders may procure, test, and assert interoperability between disparate vendors of Smart Grid products to identified standards. This is accomplished by defining the relationships between Smart Grid stakeholders invested in this goal. This Standard defines requirements and recommendations for general test policies, test suite specifications, test profiles, interoperability testing and certification authority technical programs, governance, laboratory qualifications, and (process) improvements. Finally, this Standard describes an implementation approach.

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

Patrick Augino; paugino@optimaxsi.com | 75 Barrett Drive, #1190 | Webster, NY 14580 www.OEOSC.org

National Adoption

BSR OEOSC ISO 9211-202x, Optics and Electro-Optical Instruments - Optical coatings - Part 4: Specific test methods: abrasion, adhesion and resistance to water (identical national adoption of ISO 9211-4:2022)

Stakeholders: Designers, manufacturers, and users of optical components and optical systems.

Project Need: Standardized drawings of optical elements and systems improve the quality of communication between suppliers and customers.

Interest Categories: User, Producer, General Interest

Scope: This document is a part of the ISO 9211 series of technical drawing standards for surface treatments of optics and test methods. It describes specific test methods of abrasion, adhesion, and resistance to water for coating environmental durability tests that are identified in ISO 9211-3 but not described in other normative references.

SCTE (Society of Cable Telecommunications Engineers)

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Revision

BSR/SCTE 242-4-202x, Next Generation Audio Coding Constraints for Cable Systems: Part 4 – DTS-UHD Audio Coding Constraints (revision of ANSI/SCTE 242-4-2018)

Stakeholders: Cable telecommunications industry.

Project Need: Update current technology

Interest Categories: General interest, producer, user

Scope: This document is part four of a multi-part standard that specifies the coding constraints of Next Generation Audio system for cable television. In conjunction with SCTE 242 1, this document defines the coding constraints on DTS-UHD for cable television. The carriage of the streams described in this specification is defined in SCTE 243 4 in conjunction with SCTE 243 1.

SCTE (Society of Cable Telecommunications Engineers)

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Revision

BSR/SCTE 243-4-202x, Next Generation Audio Carriage for Cable Systems: Part 4 – DTS-UHD Audio Carriage Constraints (revision of ANSI/SCTE 243-4-2018)

Stakeholders: Cable telecommunications industry

Project Need: Update current technology

Interest Categories: General interest, user, producer

Scope: This document is part four of a multi-part standard that specifies carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 Transport Stream and in MPEG ISO-BMFF media segments. In conjunction with ANSI/SCTE 243 1, this document defines the carriage of DTS-UHD audio in MPEG-2 Transport Stream and MPEG DASH using ISO BMFF media segments.

ULSE (UL Standards & Engagement)

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New Standard

BSR/UL 51-202x, Standard for Safety for Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene (new standard)

Stakeholders: Manufacturers of Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene

Project Need: To obtain nationally recognized requirements for power-operated pumps and bypass valves for use in liquid transfer operations in non-refrigerated systems in installations for: (a) Anhydrous ammonia systems installed in accordance with the Safety Requirements for the Storage and Handling of Anhydrous Ammonia, CGA/GAS G-2.1 (ANSI K61.1); (b) Liquefied petroleum gas (LP-Gas) systems installed in accordance with the Liquefied Petroleum Gas Code, NFPA No. 58; and (c) Propylene systems.

Interest Categories: Producers, General Interest, AHJs/Regulators, Commercial/Industrial Users, Testing and Standards Organizations

Scope: 1 Scope 1.1 This Standard covers power-operated pumps and bypass valves for use in liquid transfer operations in non-refrigerated systems in installations for: (a) Anhydrous ammonia systems installed in accordance with the Safety Requirements for the Storage and Handling of Anhydrous Ammonia, CGA/GAS G-2.1 (ANSI K61.1); (b) Liquefied petroleum gas (LP-Gas) systems installed in accordance with the Liquefied Petroleum Gas Code, NFPA No. 58; and (c) Propylene systems.

ULSE (UL Standards & Engagement)

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New Standard

BSR/UL 2021-202x, Standard for Safety for General Use and Industrial Machines for Ordinary (Unclassified) and Hazardous Locations (new standard)

Stakeholders: Tool industry, packaging, plastics, factory automation.

Project Need: There is currently no standard recognized under OSHA's scope of approved standards for machines. Publishing of this standard will allow UL submittal to OSHA for inclusion of a national standard specifically developed for the assessment and listing of machines.

Interest Categories: Producers, Supply Chain, Commercial/Industrial User, General Interest, Testing & Standards

Scope: These requirements cover industrial machines intended for ordinary (unclassified) locations use, and for hazardous (classified) locations use, operating from a voltage of 1000 volts or less. This equipment is intended for installation, in accordance with the National Electrical Code (NEC), ANSI/NFPA 70, where the ambient temperature does not exceed 40 °C (104 °F) maximum, unless otherwise specified. These requirements also cover the following type of machines, complying with the Electrical Standard for Machinery, NFPA 79; Machine Tools, Plastics Machinery, Wood Machinery, Assembly Machines, Material-Handling Machines, Inspection/Testing Machines, Packaging Machines, Factory Automation Equipment, Pick and Place Machines, Industrial Additive Manufacturing Machines, Car Wash Systems and Semiconductor Equipment.

Call for Comment on Standards Proposals

American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: August 21, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST CCAH-202x, Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2020)

This standard provides minimum requirements for the rough-in of radon control system components in new dwelling units under construction. CCAH also includes minimum requirements for verifying if radon concentrations are below the national action level and, if required, activation of radon control systems.

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC-1000-2018)

The provisions in this standard provide minimum requirements for the construction of any building intended for human occupancy, except for 1- and 2-family dwellings, in order to reduce occupant exposure to radon and other hazardous soil gases.

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

Comment Deadline: August 21, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST MAH-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes (revision of ANSI/AARST MAH-2019)

This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in single-family residences for determining if radon mitigation is necessary to protect current and future occupants. These proposed revisions address quality control of test conditions.

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RRNC-202x, Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses (revision of ANSI/AARST RRNC-2020)

This standard provides minimum requirements for the rough-in of radon control system components in new dwelling units under construction.

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

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

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

Addenda

BSR/ASHRAE Addendum 62.1e-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

Section 5.10 of ASHRAE Standard 62.1-2019 now instructs designers of ventilation systems to provide equipment and controls that limit the indoor air dew point to a maximum of 60°F (15°C) during both occupied and unoccupied mode operation. However, the dampness and mold problem sometimes also occurs in buildings cooled by direct evaporation into the supply air. At present, Std 62.1 does not address these risks. In light of that concern, the 62.1 committee is considering the most appropriate way for designers to limit humidity in buildings and spaces served by direct evaporative cooling equipment. Limiting the indoor RH rather than the dew point would be a more energy-appropriate strategy. Proposed Addendum e adds a new Section 5.11 for direct evaporatively cooled buildings.

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

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

Comment Deadline: August 21, 2022

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

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

Addenda

BSR/ASHRAE Addendum 62.1L-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

This proposed addendum seeks to address emerging UV technologies that are capable of emitting specific wavelengths of light near to the current 185 nm restriction that also produce ozone. The specific requirement is based on the ASHRAE Position Document on Filtration and Air Cleaning, which indicates that lamps that produce ozone are broadly categorized as those that emit wavelengths less than 200 nm. Definitions of listed and labeled have also been provided to clarify that any national testing laboratory that lists and labels products may certify the performance to a listed standard, this includes not just UL-2998, but all other standards listed within the document.

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

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

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

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

Addenda

BSR/ASHRAE Addendum 62.1m-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

Healthcare facilities often have a mixture of spaces within the scope of Standard 170 and Standard 62.1. Section 6.2.4.1.3 created a conflict with ASHRAE/ASHE Standard 170 since it required the application of diversity and ventilation efficiency to healthcare. In addition, there was no clear direction in Standards 62.1 and 170 on how to calculate the total outdoor air at the system levels for systems serving both 170 and 62.1 spaces. A working group of members from both SSPC170 and SSPC62.1 investigate the use of 4 possible calculations methods and selected the most appropriate method which was tested on 14 actual healthcare projects. The method was issued in Addendum f of Standard 170. This proposed addendum is issued in conjunction to allow this new method under Standard 62.1.

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

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

Comment Deadline: August 21, 2022

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

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

Addenda

BSR/ASHRAE Addendum 62.1n-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

This proposed addendum adds a new Section 6.3.4 Air Cleaning. The Indoor Air Quality procedure (IAQP) requires that a mass balance calculation be performed. Any mass balance that includes filtration or air cleaning requires a particle filtration efficiency or gaseous removal efficiency. This proposed addendum requires that the efficiencies of these devices be tested to current standards. However, with no specific testing requirements, there is no assurance that designs will work.

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

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

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

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

Addenda

BSR/ASHRAE Addendum ag to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This proposed addendum revises the submission instructions to remove the requirement for applications for designation and safety classification of refrigerants to be submitted in print format, and clarifies that applications are to be submitted in electronic format only.

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

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

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

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

Addenda

BSR/ASHRAE/IES Addendum cy to ANSI/ASHRAE/IES Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

This addendum updates the reference to Standard 90.4, Energy Standard for Data Centers, to reflect the latest publication.

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

Send comments (copy psa@ansi.org) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Comment Deadline: August 21, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 207-202x, Standard for Refrigerant-Containing Components and Accessories (revision of ANSI/UL 207-2020)

Proposed revisions to align with the removal of Table 11.1

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

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

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, <https://ul.org/>

Revision

BSR/UL 1037-202x, Standard for Antitheft Alarms and Devices (revision of ANSI/UL 1037-2017)

These requirements apply to the construction, performance, and operation of equipment intended to provide antitheft protection. An antitheft alarm is intended to give both audible and visible signals or only an audible signal if theft of protected property is attempted. An antitheft device is intended to protect property by significantly limiting the mobility or portability of the property. Equipment intended to provide a degree of fire resistance is additionally covered under the requirements of the Standard for Tests for Fire Resistance of Record Protection Equipment, UL 72.

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

Send comments (copy psa@ansi.org) to: Annabelle Hollen, Annabelle.Hollen@ul.org, <https://csds.ul.com/Home/ProposalsDefault.aspx>

ULSE (UL Standards & Engagement)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | kevin.hf.wu@ul.org, <https://ul.org/>

Revision

BSR/UL 1484-202x, Standard for Safety for Residential Gas Detectors (revision of ANSI/UL 1484-2022)

Proposed new requirements for a One Year Sensor Stability Test for Gas Sensors.

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

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1581-202X, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2020)

Addition of a new category of flexible PVDF copolymers in UL 1581.

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

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

Comment Deadline: August 21, 2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, <https://ul.org/>

Revision

BSR/UL 1996-202X, Standard for Safety for Electric Duct Heaters (revision of ANSI/UL 1996-2021)
Alternate compliance paths for UL 873 and UL 353. Manufacturers of equipment covered under the scope of UL 1996 continue to employ controls and components that rely on UL 353 and UL 873 for safety compliance. UL 353 and UL 873 are in the process of being phased out and replaced by the UL 60730 series (UL 60730-1 in combination with the applicable 60730 Part 2 standard). Since components complying with UL 353 and UL 873 components are still available in the marketplace, this proposal acknowledges the alternative pathways for compliance of components and controls employed in equipment evaluated in accordance with UL 1996.

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

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

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Tony.Partridge@ul.org, <https://ul.org/>

Revision

BSR/UL 6142-202X, Standard for Small Wind Turbine Systems (revision of ANSI/UL 6142-2020)
The following changes are proposed: (1) Eliminate Offshore Exclusion from Scope; (2) Update American Wind Energy Association (AWEA) references to American Clean Power Association (ACP).

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

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

Comment Deadline: September 5, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors or other hazardous soil gases that are present within existing schools and large buildings. This work contains a collection of proposed revisions for harmonization compared to what is currently published in SGM-SF (existing homes); RMS-MF (existing multifamily buildings) and RMS-LB (existing schools and large buildings).

Single copy price: \$TBD

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

Comment Deadline: September 5, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors, or other hazardous soil gases that are present within existing multifamily buildings. This work contains a collection of proposed revisions for harmonization compared to what is currently published in SGM-SF (existing homes); RMS-MF (existing multifamily buildings); and RMS-LB (existing schools and large buildings).

Single copy price: \$TBD

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors or other hazardous soil gases that are present within existing homes. This work contains a collection of proposed revisions for harmonization compared to what is currently published in SGM-SF (existing homes); RMS-MF (existing multifamily buildings); and RMS-LB (existing schools and large buildings).

Single copy price: \$TBD

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

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

ASABE (American Society of Agricultural and Biological Engineers)

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

New Standard

BSR/ASABE S660 MONYEAR-202x, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators (new standard)

The purpose of this standard is to establish a uniform method of determining and reporting spreading performance of large (18.3-m swath width or greater) broadcast spreaders and pneumatic applicators designed to surface apply granular materials. Results from tests performed according to this standard make it possible to predict distribution uniformity of a particular broadcast spreader or pneumatic applicator or to compare the performance of different machines operated under similar test conditions.

Single copy price: \$75.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh; walsh@asabe.org

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

Comment Deadline: September 5, 2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S627.1 MON-202x, Weather-based Landscape Irrigation Control Systems (revision and redesignation of ANSI/ASABE S627 DEC-2020)

This standard describes a test method to determine an irrigation controller's ability to respond to weather and conditions found within the typical landscape. Sometimes called "smart control systems" or "smart controllers," these are controllers or devices that respond to environmental conditions by estimating or measuring depletion of available plant soil moisture in order to operate an irrigation system, replenishing water as needed while minimizing excess water use.

Single copy price: \$75.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh; walsh@asabe.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

Revision

BSR X9.95-202x, Trusted Time Stamp Management and Security (revision of ANSI X9.95-2016)

This standard specifies the minimum security requirements for the effective use of time stamps in a financial services environment.

Single copy price: \$100.00

Obtain an electronic copy from: ambria.frazier@x9.org

Send comments (copy psa@ansi.org) to: ambria.frazier@x9.org

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

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

New Standard

BSR/ASHRAE Standard 205-202x, Standard Representation of Performance Simulation Data for HVAC&R and Other Facility Equipment (new standard)

The purpose of ASHRAE Standard 205-202x is to facilitate automated sharing of equipment performance characteristics by defining data models and data serialization formats.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Order from: standards.section@ashrae.org

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Comment Deadline: September 5, 2022

ASTM (ASTM International)

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

Revision

BSR/ASTM F409-202x, Standard Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings (revision of ANSI/ASTM F409-2017)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

AWS (American Welding Society)

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

Revision

BSR/AWS D1.3/D1.3M-202x, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2018)

This code covers the requirements associated with welding sheet steel having a minimum specified yield point no greater than 80 ksi [550 MPa]. The code requirements cover any welded joint made from the commonly used structural quality low-carbon hot rolled and cold rolled sheet and strip steel with or without zinc coating (galvanized). Clause 1 includes general provisions, Clause 4 design, Clause 5 prequalification, Clause 6 qualification, Clause 7 fabrication, and Clause 8 inspection.

Single copy price: \$56.50 AWS member, \$75.50 non-member

Obtain an electronic copy from: jmolin@aws.org

Order from: Jennifer Molin, jmolin@aws.org

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

CAGI (Compressed Air and Gas Institute)

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

New Standard

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

This document specifies the performance test method of electrically driven low-pressure compressor packages, where the compression is performed by positive displacement or dynamic compression. Low-pressure air-compressor packages are often referred to as "blowers".

Single copy price: Free

Obtain an electronic copy from: cagi@cagi.org

Send comments (copy psa@ansi.org) to: Leslie Schraff, cagi@cagi.org

Comment Deadline: September 5, 2022

CSA (CSA America Standards Inc.)

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

Revision

BSR/CSA Z83.7/CSA 2.14-202x, Gas-fired construction heaters (same as CSA 2.14) (revision and redesignation of ANSI Z83.7-2017)

This Standard applies to newly produced, direct-fired and indirect-fired construction heaters, hereinafter referred to as “heaters” or “appliances,” constructed entirely of new, unused parts and materials and primarily intended for temporary use in heating buildings or structures under construction, alteration, or repair. All the products of combustion generated by the direct-fired heaters are vented into the area being heated, whereas products of combustion generated by indirect-fired heaters. This Standard aims to provide guidance to the industry in designing these heaters or certifying agencies in providing certification.

Single copy price: Free

Obtain an electronic copy from: ANSI.Contact@CSAGroup.org

Send comments (copy psa@ansi.org) to: ANSI.Contact@CSAGroup.org

NSF (NSF International)

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

New Standard

BSR/NSF 498-202x (i1r1), Sustainability Program Document for Architectural Coatings (new standard)

This standard, NSF/ANSI 498: Sustainability Program Document for Architectural Coatings, has been developed as part of the ongoing efforts of interested parties to document and improve the sustainability profile of architectural coatings using established and/or advanced scientific principles, practices, materials, and standards. Stakeholders involved in developing this standard included architectural coatings manufacturers, architectural coatings distributors, end users such as consultants and certifiers, state agencies responsible for environmentally preferable product procurement practices, academics, and nongovernmental organizations. The purpose of this standard is to establish consistent requirements for sustainable coating products. These requirements are intended to form the basis of conformity assessment programs, such as third-party certification or registration.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/64515/498i1r1%20-%20New%20Standard%20-%20JC%20Memo%20&%20Ballot.pdf

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

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 58-2017 (R202x), AM Cross Modulation Measurements (reaffirmation of ANSI/SCTE 58-2017)

This document describes a test procedure for the laboratory and production measurement of Amplitude Modulation Cross Modulation (or AM-XMOD) that is present in Broadband Systems which carry Frequency Division Multiplexed (FDM), amplitude modulated, analog video channels.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: September 5, 2022

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 1179-B-202x, Healthcare Facility Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 1179-A-2017)

This Standard specifies requirements for telecommunications infrastructure for healthcare facilities (e.g., hospitals, clinics). It specifies cabling, cabling topologies, and cabling distances. Additionally, pathways and spaces (e.g., sizing and location), and ancillary requirements are addressed. Telecommunications cabling specified by this standard is intended to support a wide range of healthcare facilities and systems.

Single copy price: \$112.00

Obtain an electronic copy from: standards-process@tiaonline.org

Order from: TIA (standards-process@tiaonline.org)

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

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Joshua.Johnson@ul.org, <https://ul.org/>

Revision

BSR/UL 6-202X, Standard for Safety for Electrical Rigid Metal Conduit - Steel (revision of ANSI/UL 6-2019)
(1) Publish a new edition of the standard with updated references. (Annex A); (2) Correction of a typo in the measurement for Length in millimeters (5.5.2); (3) Introduction of a range for specific gravity of copper sulfate solution (6.2.2.1).

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Joshua Johnson; Joshua.Johnson@ul.org

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | jeffrey.prusko@ul.org, <https://ul.org/>

Revision

BSR/UL 842A-202x, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 842A-2019)

The following is being proposed: (1) Revision of External Leakage and Hydrostatic Strength Tests to align with requirements of UL 842; (2) Addition of Seat Leakage Test to align with requirements of UL 842.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Jeff Prusko, jeffrey.prusko@ul.org

Comment Deadline: September 5, 2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | jeffrey.prusko@ul.org, <https://ul.org/>

Revision

BSR/UL 842B-202x, Standard for Safety for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 842B-2020)

The following is being proposed: (1) Revision of External Leakage and Hydrostatic Strength Tests to align with requirements of UL 842; (2) Addition of Seat Leakage Test to align with requirements of UL 842.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Jeff Prusko, jeffrey.prusko@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1069-202x, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2022)

The proposed revisions to UL 1069 include: (1) Routine Call Annunciation via Portable Call Notification Devices, (2) Call Cancellation via Call Notification Device, and (3) Multiple changes to clarify requirements in UL 1069.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Heather.Sakellariou@ul.org, <https://ul.org/>

Revision

BSR/UL 4600-202x, Standard for Safety for Evaluation of Autonomous Products (revision of ANSI/UL 4600-2022)

The following changes in requirements are being proposed for review: (1) Revise safety case framework to support Autonomous Trucking; (2) Revise and add examples specific to Autonomous Trucking; (3) Add more precise definition for one preferred form of Safety Performance Indicator (SPI); (4) Add requirements concerning post-incident behaviors in Sections 10.6.6 and 10.6.7.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: September 20, 2022

ANS (American Nuclear Society)

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

New Standard

BSR/ANS 20.2-202x, Nuclear Safety Design Criteria and Functional Performance Requirements for Liquid-Fuel Molten-Salt Reactor Nuclear Power Plants (new standard)

This standard establishes the nuclear safety design criteria and functional performance requirements for liquid-fuel molten-salt reactor nuclear power plants. The document uses performance-based, risk-informed criteria wherever possible. It also describes the design process to be followed to establish those criteria and perform structures, systems, and component classifications.

Single copy price: \$25.00

Obtain an electronic copy from: standards@ans.org

Order from: standards@ans.org

Send comments (copy psa@ansi.org) to: Patricia Schroeder; pschroeder@ans.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME PTC 4.4-202x, Gas Turbine Heat Recovery Steam Generators (revision of ANSI/ASME PTC 4.4-2008 (R2013))

This Code addresses steam generators whose primary function is to recover heat from gas turbine exhaust.

Methods noted in this document may also be used for testing other heat recovery units, which may include the following: (1) units heating water only; (2) units using working fluids other than water; (3) units obtaining hot gas heat input from sources other than gas turbines; (4) HRSGs with fresh air firing capability.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Daniel Papert; papertd@asme.org

INMM (ASC N15) (Institute of Nuclear Materials Management)

9800 S. Cass Avenue, Argonne, IL 60439 | b.srinivasan@science.doe.gov, www.inmm.org

Reaffirmation

BSR N15.8-2009 (R202x), Standard for Methods of Nuclear Material Control - Material Control Systems - Special Nuclear Material Control and Accounting Systems for Nuclear Power Plants (reaffirmation of ANSI N15.8-2009 (R2015))

This standard provides the principle elements of a system for the control and accounting of special nuclear material (SNM) at a nuclear power plant. It sets forth the fundamentals of an SNM control and accounting system, including criteria for the receipt, internal control, physical inventory, and shipment of SNM.

Single copy price: Free

Order from: Balasubrahmanyam Srinivasan; b.srinivasan@science.doe.gov

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

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

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

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

BSR/AHRI Standard 110-202x, Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages (revision of ANSI/AHRI Standard 110-2012)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

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

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

BSR/AHRI Standard 230-201X, Sound Intensity Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 230-2013)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

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

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

BSR/AHRI Standard 820-202x, Ice Storage Bins (new standard)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

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

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

BSR/AHRI Standard 1060 (I-P)-202x, Performance Rating of Air to-Air Exchangers for Energy Recovery Ventilation Equipment (revision of ANSI/AHRI Standard 1060 (I-P)-2014)

Inquiries may be directed to Bill McQuade; BMCQuade@ahrinet.org; kcarlson@ahrinet.org

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

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

BSR/AHRI Standard 1061 (SI)-202x, Performance Rating of Air to-Air Exchangers for Energy Recovery Ventilation Equipment (revision of ANSI/AHRI Standard 1061 (SI)-2014)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM D1322-202x, Test Method for Smoke Point of Kerosine and Aviation Turbine Fuel (revision of ANSI/ASTM D1322-2012)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1322-202x, Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel (revision of ANSI/ASTM D1322-2019)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2014)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2014)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2015d)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2016b)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2018)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2020)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2021C)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D2276-202x, Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (revision of ANSI/ASTM D2276-2006 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D2276-202x, Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (revision of ANSI/ASTM D2276-2006 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D2276-202x, Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (revision of ANSI/ASTM D2276-2006 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D2276-202x, Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (revision of ANSI/ASTM D2276-2006 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D2276-2006 (R202x), Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (reaffirmation of ANSI/ASTM D2276-2006 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM D3240-201x, Test Method for Undissolved Water In Aviation Turbine Fuels (revision of ANSI/ASTM D3240-2015)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D3240-202x, Test Method for Undissolved Water In Aviation Turbine Fuels (revision of ANSI/ASTM D3240-2015)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D3240-202x, Test Method for Undissolved Water In Aviation Turbine Fuels (revision of ANSI/ASTM D3240-2015)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D3240-2015 (R202x), Test Method for Undissolved Water In Aviation Turbine Fuels (reaffirmation of ANSI/ASTM D3240-2015)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D3948-202x, Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer (revision of ANSI/ASTM D3948-2008)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D4054-201x, Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives (revision of ANSI/ASTM D4054-2021A)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D4171-202x, Specification for Fuel System Icing Inhibitors (revision of ANSI/ASTM D4171-2021)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM D4308-2013 (R202x), Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter (reaffirmation of ANSI/ASTM D4308-2013)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D4865-202x, Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems (revision of ANSI/ASTM D4865-2019)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D4865-2009 (R202x), Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems (reaffirmation of ANSI/ASTM D4865-2009 (R2014))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D5001-2014 (R202x), Test Method for Measurement of Lubricity of Aviation Turbine Fuels by the Ball-on-Cylinder Lubricity Evaluator (BOCLE) (reaffirmation of ANSI/ASTM D5001-2014)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D5452-2012 (R202x), Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration (reaffirmation of ANSI/ASTM D5452-2012)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D6615-202x, Specification for Jet B Wide-Cut Aviation Turbine Fuel (revision of ANSI/ASTM D6615-2015 (R2019))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM D7224-202x, Test Method for Determining Water Separation Characteristics of Kerosine-type Aviation Turbine Fuels Containing Additives by Portable Separometer (revision of ANSI/ASTM D7224-2008)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D7547-202x, Specification for Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2009)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D7566-202x, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2021)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D7719-202x, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2018)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D8073-201x, Test Method for Determination of Water Separation Characteristics of Aviation Turbine Fuel by Small Scale Water Separation Instrument (revision of ANSI/ASTM D8073-2021)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D8147-202x, Specification for Special-Purpose Test Fuels for Aviation Compression-Ignition Engines (revision of ANSI/ASTM D8147-2017)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM D8290-202x, Test Method for Determination of Fatty Acid Methyl Esters (FAME) in Aviation Turbine Fuel using Mid-Infrared Laser Spectroscopy (revision of ANSI/ASTM D8290-2020)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM WK66419-202x, New Specification for Standard Specification for Unleaded Aviation Gasoline Containing Ethers (new standard)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

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

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

INCITS 573-202x, Information technology - Mid-Level Ontology (MLO) (new standard)

Inquiries may be directed to Lynn Barra; comments@standards.incits.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

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

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

ANSI/AHRI Standard 110-2012, Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages

Direct inquiries to: Karl Best; kbest@ahrinet.org

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

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

ANSI/AHRI Standard 230-2013, Sound Intensity Testing Procedures for Determining Sound Power of HVAC Equipment

Direct inquiries to: Karl Best; kbest@ahrinet.org

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

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

ANSI/AHRI Standard 820 (I-P)-2012, Performance Rating of Ice Storage Bins

Direct inquiries to: Karl Best; kbest@ahrinet.org

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

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

ANSI/AHRI Standard 821 (SI)-2012, Performance Rating of Ice Storage Bins

Direct inquiries to: Karl Best; kbest@ahrinet.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

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

ANSI/AHRI Standard 1060 (I-P)-2014, Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment

Direct inquiries to: Karl Best; kbest@ahrinet.org

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

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

ANSI/AHRI Standard 1061 (SI)-2014, Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment

Direct inquiries to: Karl Best; kbest@ahrinet.org

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

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

ANSI/AHRI Standard 1280-2015, Sound Power Rating of Water-cooled Chillers

Direct inquiries to: Karl Best; kbest@ahrinet.org

ASTM (ASTM International)

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

ANSI/ASTM D910-2021, Specification for Leaded Aviation Gasolines

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D1094-2007 (R2019), Test Method for Water Reaction of Aviation Fuels

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D1322-2019, Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D1655-2021c, Specification for Aviation Turbine Fuels

Direct inquiries to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM D2276-2006 (R2014), Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D2624-2021, Test Methods for Electrical Conductivity of Aviation and Distillate Fuels
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D3240-2015, Test Method for Undissolved Water In Aviation Turbine Fuels
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D3241-2020b, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D3948-2020, Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D4054-2021a, Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D4171-2021, Specification for Fuel System Icing Inhibitors
Direct inquiries to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM D4306-2020, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D4308-2021, Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D4865-2019, Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D5001-2020, Test Method for Measurement of Lubricity of Aviation Turbine Fuels by the Ball-on-Cylinder Lubricity Evaluator (BOCLE)
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D5006-2011 (R2021), Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D5452-2020, Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration
Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D6227-2018, Specification for Unleaded Aviation Gasoline Containing a Non-hydrocarbon Component
Direct inquiries to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM D6424-2004a (R2019), Practice for Octane Rating Naturally Aspirated Spark Ignition Aircraft Engines

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D6615-2015 (R2019), Specification for Jet B Wide-Cut Aviation Turbine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D6812-2004b (R2019), Practice for Ground-Based Octane Rating Procedures for Turbocharged/Supercharged Spark Ignition Aircraft Engines

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D6824-2013 (R2018), Test Method for Determining Filterability of Aviation Turbine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D6986-2010 (R2020), Test Method for Free Water, Particulate and Other Contamination in Aviation Fuels (Visual Inspection Procedures)

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7223-2021, Specification for Aviation Certification Turbine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7224-2020, Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer

Direct inquiries to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM D7547-2021, Specification for Hydrocarbon Unleaded Aviation Gasoline

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7566-2021, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7618-2013 (R2021), Specification for Ethyl Tertiary-Butyl Ether (ETBE) for Blending with Aviation Spark-Ignition Engine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7719-2021a, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7739-2011 (R2021), Practice for Thermal Oxidative Stability Measurement via Quartz Crystal Microbalance

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7797-2019, Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel Using Flow Analysis by Fourier Transform Infrared Spectroscopy - Rapid Screening Method

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7826-2021, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives

Direct inquiries to: Corice Leonard; accreditation@astm.org

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ASTM (ASTM International)

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

ANSI/ASTM D7872-2013 (R2018), Test Method for Determining the Concentration of Pipeline Drag Reducer Additive in Aviation Turbine Fuels

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7959-2019, Test Method for Chloride Content Determination of Aviation Turbine Fuels using Chloride Test Strip

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D7960-2021, Specification for Unleaded Aviation Gasoline Test Fuel Containing Non-hydrocarbon Components

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D8073-2021, Test Method for Determination of Water Separation Characteristics of Aviation Turbine Fuel by Small Scale Water Separation Instrument

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D8147-2017, Specification For Special-Purpose Test Fuels for Aviation Compression-Ignition Engines

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D8194-2019, Practice for evaluation of Suitability of 37mm Filter Monitors and 47mm Filters Used To Determine Particulate Contaminant In Aviation Turbine Fuel

Direct inquiries to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM D8290-2020, Test Method for Determination of fatty acid methyl esters (FAME) in aviation turbine fuel using Mid-Infrared Laser Spectroscopy

Direct inquiries to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM D8434-2021, Specification for Unleaded Aviation Gasoline Test Fuel Containing Organo-metallic Additive

Direct inquiries to: Corice Leonard; accreditation@astm.org

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | patricia.a.sena@ul.org, <https://ul.org/>

ANSI/UL 474-2015, Standard for Safety for Dehumidifiers

Direct inquiries to: Patricia Sena; patricia.a.sena@ul.org

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | patricia.a.sena@ul.org, <https://ul.org/>

ANSI/UL 474-2015a, Standard for Safety for Dehumidifiers

Direct inquiries to: Patricia Sena; patricia.a.sena@ul.org

Final Actions on American National Standards

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

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | bgoodwin@abycinc.org, www.abycinc.org

New Standard

ANSI/ABYC H-41-2022, Reboarding Means, Ladders, Handholds, Rails, and Lifelines (new standard) Final Action Date: 7/11/2022

Revision

ANSI/ABYC A-32-2022, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32-2017) Final Action Date: 7/11/2022

Revision

ANSI/ABYC C-3-2022, Alcohol, Kerosene, and Solidified Fuel Cooking Appliances for Marine Use (revision of ANSI/ABYC C-3-2018) Final Action Date: 7/12/2022

Revision

ANSI/ABYC EDU-3-2022, On-Water Recreational Boating Skills - Sail (revision of ANSI/ABYC EDU-3-2017) Final Action Date: 7/14/2022

Revision

ANSI/ABYC EDU-4-2022, On-Water Recreational Boating Skills - Instruction (revision of ANSI/ABYC EDU-4-2018) Final Action Date: 7/14/2022

Revision

ANSI/ABYC H-24-2022, Gasoline (Petrol) Fuel Systems (revision of ANSI/ABYC H-24-2017) Final Action Date: 7/11/2022

Revision

ANSI/ABYC S-31-2022, Environmental Considerations for Electronic Systems and Components Installed on Boats (revision of ANSI/ABYC S-31-2017) Final Action Date: 7/11/2022

ADA (American Dental Association)

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

National Adoption

ANSI/ADA Standard No. 128-2022, Dentistry - Hydrocollid Impression Materials (identical national adoption of ISO 21563:2021 and revision of ANSI/ADA Standard No. 128-2015) Final Action Date: 7/14/2022

National Adoption

ANSI/ADA Standard No. 203-2022, Dentistry - Materials Used for Dental Equipment Surfaces - Determination of Resistance to Chemical Disinfectants (identical national adoption of ISO 21530:2004) Final Action Date: 7/14/2022

National Adoption

ANSI/ADA Standard No. 78-2022, Dentistry - Endodontic Obturating Materials (identical national adoption of ISO 6877:2021 and revision of ANSI/ADA Standard No. 78-2013 (R2020)) Final Action Date: 7/14/2022

ADA (American Dental Association)

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

National Adoption

ANSI/ADA Standard No. 97-2022, Dentistry - Corrosion Test Methods for Metallic Materials (identical national adoption of ISO 10271:2020 and revision of ANSI/ADA Standard No. 97-2020) Final Action Date: 7/14/2022

ANS (American Nuclear Society)

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

Revision

ANSI/ANS 19.3.4-2022, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (revision of ANSI/ANS 19.3.4-2002 (R2017)) Final Action Date: 7/12/2022

ASABE (American Society of Agricultural and Biological Engineers)

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

National Adoption

ANSI/ASABE/ISO 12003-1-MONYEAR-2022, Tractors for agriculture and forestry - Roll-over protective structures on narrow tractors - Part 1: Front-mounted ROPS (identical national adoption of ISO 12003-1:2021 and revision of ANSI/ASABE/ISO 12003-1-SEP17) Final Action Date: 7/14/2022

National Adoption

ANSI/ASABE/ISO 12003-2-2022 MONYEAR, Tractors for agriculture and forestry - Roll-over protective structures on narrow tractors - Part 2: Rear-mounted ROPS (identical national adoption of ISO 12003-2:2021 and revision of ANSI/ASABE/ISO 12003-2-2008 SEP2107) Final Action Date: 7/14/2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

ANSI/ASME B133.8-2011 (R2022), Gas Turbine Installation Sound Emissions (reaffirmation of ANSI/ASME B133.8-2011) Final Action Date: 7/11/2022

ASTM (ASTM International)

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

New Standard

ANSI/ASTM E541-2022, Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building (new standard) Final Action Date: 7/12/2022

New Standard

ANSI/ASTM E651-2022, Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building (new standard) Final Action Date: 7/12/2022

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

Revision

ANSI/CPLSO 17-2022, Electrical Characteristics of ECDs and CEWs. (revision of ANSI/CPLSO-17-2017) Final Action Date: 7/18/2022

CSA (CSA America Standards Inc.)

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

Reaffirmation

ANSI Z21.73-2017 (R2022), Portable type gas camp lights (same as CSA 11.1) (reaffirmation of ANSI Z21.73-2017) Final Action Date: 7/11/2022

Reaffirmation

ANSI/CSA NGV 4.1/CSA 12.5-2018 (R2022), Natural gas vehicle (NGV) dispensing systems (reaffirmation of ANSI/CSA NGV 4.1/CSA 12.5-2018) Final Action Date: 7/11/2022

Revision

ANSI/CSA NGV 4.2-2022, Hose and hose assemblies for natural gas dispensing systems (revision of ANSI/CSA NGV 4.2-2014 (R2019)) Final Action Date: 7/11/2022

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | esuarez@pumps.org, www.pumps.org

Revision

ANSI/HI 9.6.4-2022, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2016) Final Action Date: 7/11/2022

HPS (ASC N13) (Health Physics Society)

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | awride-graney@burkinc.com, www.hps.org

Reaffirmation

ANSI N13.36-2001 (R2022), Ionizing Radiation Safety Training for Workers (reaffirmation of ANSI N13.36-2001 (R2011)) Final Action Date: 7/11/2022

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillcuddy@ies.org, www.ies.org

Revision

ANSI/IES RP-6-2022, Recommended Practice: Lighting Sports and Recreational Areas - Bullpen Lighting (revision of ANSI/IES RP-6-2020) Final Action Date: 7/11/2022

IIAR (International Institute of Ammonia Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 | tony_lundell@iiar.org, www.iiar.org

Revision

ANSI/IIAR 3-2022, Ammonia Refrigeration Valves (revision of ANSI/IIAR 3-2017) Final Action Date: 7/11/2022

ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | ebrazda@isa.org, www.isa.org

Revision

ANSI/ISA 77.14.01-2022, Fossil Fuel Power Plant Steam Turbine Controls (revision of ANSI/ISA 77.14.01-2010) Final Action Date: 7/12/2022

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

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

National Adoption

INCITS/ISO 19148:2021 [2022], Geographic information - Linear referencing (identical national adoption of ISO 19148:2021 and revision of INCITS/ISO 19148:2012 [R2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 9797-2:2021 [2022], Information security - Message authentication codes (MACs) - Part 2: Mechanisms using a dedicated hash-function (identical national adoption of ISO/IEC 9797-2:2021 and revision of INCITS/ISO/IEC 9797-2:2011 [R2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 11770-5:2020 [2022], Information security - Key management - Part 5: Group key management (identical national adoption of ISO/IEC 11770-5:2020 and revision of INCITS/ISO/IEC 11770-5:2011 [R2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 14496-12:2022 [2022], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2022 and revision of INCITS/ISO/IEC 14496-12:2020 [2021]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 15444-4:2021 [2022], Information technology - JPEG 2000 image coding system - Part 4: Conformance Testing (identical national adoption of ISO/IEC 15444-4:2021 and revision of INCITS/ISO/IEC 15444-4:2004 [R2018]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 15444-5:2021 [2022], Information technology - JPEG 2000 image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 15444-5:2021 and revision of INCITS/ISO/IEC 15444-5:2015 [2019]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 15444-16:2021 [2022], Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 images into ISO/IEC 23008-12 (identical national adoption of ISO/IEC 15444-16:2021 and revision of INCITS/ISO/IEC 15444-16:2019 [2021]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 15938-16:2021 [2022], Information technology - Multimedia content description interface - Part 16: Conformance and reference software for compact descriptors for video analysis (identical national adoption of ISO/IEC 15938-16:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 18033-1:2021 [2022], Information security - Encryption algorithms - Part 1: General (identical national adoption of ISO/IEC 18033-1:2021 and revision of INCITS/ISO/IEC 18033-1:2015 [2017]) Final Action Date: 7/14/2022

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

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National Adoption

INCITS/ISO/IEC 19075-1:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 1: XQuery regular expressions (identical national adoption of ISO/IEC 19075-1:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-2:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 2: Time-related information (identical national adoption of ISO/IEC 19075-2:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-3:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 3: SQL embedded in programs using the Java™ programming language (identical national adoption of ISO/IEC 19075-3:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-4:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 4: Routines and types using the Java™ programming language (identical national adoption of ISO/IEC 19075-4:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-5:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 5: Row pattern recognition (identical national adoption of ISO/IEC 19075-5:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-6:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 6: Support for JSON (identical national adoption of ISO/IEC 19075-6:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-7:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 7: Polymorphic table functions (identical national adoption of ISO/IEC 19075-7:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19075-8:2021 [2022], Information technology - Guidance for the use of database language SQL - Part 8: Multidimensional arrays (identical national adoption of ISO/IEC 19075-8:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 19795-1:2021 [2022], Information technology - Biometric performance testing and reporting - Part 1: Principles and framework (identical national adoption of ISO/IEC 19795-1:2021 and revision of INCITS/ISO/IEC 19795-1:2006 [R2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 21838-1:2021 [2022], Information technology - Top-level ontologies (TLO) - Part 1: Requirements (identical national adoption of ISO/IEC 21838-1:2021) Final Action Date: 7/14/2022

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

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National Adoption

INCITS/ISO/IEC 21838-2:2021 [2022], Information technology - Top-level ontologies (TLO) - Part 2: Basic Formal Ontology (BFO) (identical national adoption of ISO/IEC 21838-2:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 23000-19:2020/AM1:2021 [2022], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Additional CMAF HEVC media profiles (identical national adoption of ISO/IEC 23000-19:2020/AM1:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 23000-21:2019/AM1:2021 [2022], Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format - Amendment 1: Conformance and reference software (identical national adoption of ISO/IEC 23000-21:2019/AM1:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 23000-22:2019/AM1:2021 [2022], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 1: Reference software and conformance for multi-image application format (identical national adoption of ISO/IEC 23000-22:2019/AM1:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 23000-22:2019/AM2:2021 [2022], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 2: HEVC Advanced HDR profile and other clarifications (identical national adoption of ISO/IEC 23000-22:2019/AM2:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 24800-2:2021 [2022], Information technology - JPSearch - Part 2: Registration, identification and management of schema and ontology (identical national adoption of ISO/IEC 24800-2:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 28360-1:2021 [2022], Information Technology - Determination Of Chemical Emission Rates from Electronic Equipment - Part 1: Using Consumables (identical national adoption of ISO/IEC 28360-1:2021) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 28360-2:2018 [2022], Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 2: Not using-consumables (identical national adoption of ISO/IEC 28360-2:2018 and revision of INCITS/ISO/IEC 28360:2015 [2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 29192-2:2019 [2022], Information security - Lightweight cryptography - Part 2: Block ciphers (identical national adoption of ISO/IEC 29192-2:2019 and revision of INCITS/ISO/IEC 29192-2:2012 [R2017]) Final Action Date: 7/14/2022

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

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National Adoption

INCITS/ISO/IEC 14651:2020 [2022], Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering (identical national adoption of ISO/IEC 14651:2020 and revision of INCITS/ISO/IEC 14651:2016 [2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 17991:2021 [2022], Information technology - Office equipment - Method for measuring scanning productivity of digital scanning devices (identical national adoption of ISO/IEC 17991:2021 and revision of INCITS/ISO/IEC 17991:2015 [2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 20919:2021 [2022], Information technology - Linear tape file system (LTFS) Format specification (identical national adoption of ISO/IEC 20919:2021 and revision of INCITS/ISO/IEC 20919:2016 [2017]) Final Action Date: 7/14/2022

National Adoption

INCITS/ISO/IEC 22275:2018 [2022], Information Technology - Programming Languages, Their Environments, and System Software Interfaces - ECMAScript® Specification Suite (identical national adoption of ISO/IEC 22275:2018 and revision of INCITS/ISO/IEC 16262:2011 [R2017]) Final Action Date: 7/14/2022

New Standard

INCITS 542-2022, Information technology - Automation/Drive Interface Transport Protocol - 3 (ADT-3) (new standard) Final Action Date: 7/11/2022

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

ANSI C78.1430-1997 (S2022), Electric Lamps - Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1430-1997 (R2016)) Final Action Date: 7/18/2022

Stabilized Maintenance

ANSI C78.1431-1997 (S2022), Electric Lamps - Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY 5.3 Bases (stabilized maintenance of ANSI C78.1431-1997 (R2016)) Final Action Date: 7/18/2022

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

ANSI ICEA S-122-744-2022, Standard for Optical Fiber Outside Plant Microduct Cables (revision of ANSI ICEA S-122-744-2016) Final Action Date: 7/11/2022

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

New Standard

ANSI/NEMA AW 10002-2022, Precautionary Labeling for Arc-Welding and Cutting Products (new standard) Final Action Date: 7/11/2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

ANSI/NSF 53-2022 (i141r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Final Action Date: 7/7/2022

Revision

ANSI/NSF 58-2022 (i97r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021) Final Action Date: 7/7/2022

Revision

ANSI/NSF/CAN 61-2022 (i162r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021) Final Action Date: 7/11/2022

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

75 Baret Drive, #1190, Webster, NY 14580 | paugino@optimaxsi.com, www.OEOSC.org

National Adoption

ANSI OEOSC ISO 10110-18-2022, Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part 18: Stress birefringence, bubbles and inclusions, homogeneity, and striae (identical national adoption of ISO 10110-18:2018) Final Action Date: 7/14/2022

National Adoption

ANSI OEOSC ISO 10110-5-2022, Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part 5: Surface form tolerances (identical national adoption of ISO 10110-5:2015 and revision of ANSI/OEOSC OP1.0110-5:2015) Final Action Date: 7/14/2022

National Adoption

ANSI OEOSC ISO 10110-8-2022, Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part 8: Surface texture (identical national adoption of ISO 10110-8:2019 and revision of ANSI/OEOSC OP1.0110-8-2014) Final Action Date: 7/14/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

ANSI/SCTE 35-2022, Digital Program Insertion Cueing Message (revision of ANSI/SCTE 35-2020) Final Action Date: 7/11/2022

Revision

ANSI/SCTE 48-3-2022, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell (revision of ANSI/SCTE 48-3-2018) Final Action Date: 7/12/2022

Revision

ANSI/SCTE 214-1-2022, MPEG DASH for IP-Based Cable Services - Part 1: MPD Constraints and Extensions (revision of ANSI/SCTE 214-1-2016) Final Action Date: 7/11/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

ANSI/SCTE 214-2-2022, MPEG DASH for IP-Based Cable Services Part 2: DASH/TS Profile (revision of ANSI/SCTE 214-2-2016) Final Action Date: 7/11/2022

Revision

ANSI/SCTE 220-3-2022, DOCSIS 3.1 Part 3: Cable Modem Operations Support System Interface-Specification (revision of ANSI/SCTE 220-3-2016) Final Action Date: 7/12/2022

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | info@spri.org, www.spri.org

Revision

ANSI/SPRI RP-14-2022, Wind Design Standard for Vegetative Roofing System (revision of ANSI/SPRI RP-14-2016) Final Action Date: 7/11/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

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

New Standard

ANSI/TAPPI T 646 om-2022, Brightness of clay and other mineral pigments (45/0) (new standard) Final Action Date: 7/12/2022

TIA (Telecommunications Industry Association)

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

Revision

ANSI/TIA 568.4-E-2022, Broadband Coaxial Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.4-D-2017) Final Action Date: 7/11/2022

ULSE (UL Standards & Engagement)

333 Pflingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

Reaffirmation

ANSI/UL 1029-2012 (R2022), Standard for High-Intensity-Discharge Lamp Ballasts (reaffirmation of ANSI/UL 1029-2012 (R2017)) Final Action Date: 7/15/2022

Reaffirmation

ANSI/UL 60730-2-3-2013 (R2022), Standard for Safety for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (reaffirmation of ANSI/UL 60730-2-3-2013 (R2017)) Final Action Date: 7/15/2022

Reaffirmation

ANSI/UL 62841-2-4-2017 (R2022), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type (reaffirmation and redesignation of ANSI/UL 62841-2-4-2017) Final Action Date: 7/15/2022

Revision

ANSI/UL 1008-2022, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2018) Final Action Date: 7/13/2022

ULSE (UL Standards & Engagement)

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

Revision

ANSI/UL 1472-2022, Standard for Safety for Solid-State Dimming Controls (revision of ANSI/UL 1472-2020) Final Action Date: 7/12/2022

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | ascz80@thevisioncouncil.org, www.z80asc.com

Revision

ANSI Z80.28-2022, Ophthalmics - Methods of Reporting Optical Aberrations of Eyes (revision of ANSI Z80.28-2017) Final Action Date: 7/11/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

Call for Members (ANS Consensus Bodies)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST CCAH-202x, Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC-1000-2018)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST MAH-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes (revision of ANSI/AARST MAH-2019)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RRNC-202x, Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses (revision of ANSI/AARST RRNC-2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S627.1 MON-202x, Weather-based Landscape Irrigation Control Systems (revision and redesignation of ANSI/ASABE S627 DEC-2020)

Call for Members (ANS Consensus Bodies)

AWS (American Welding Society)

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

BSR/AWS B2.1-5A-223-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [13 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-223-2021)

AWS (American Welding Society)

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

BSR/AWS B2.1-5A-224-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3 and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-224-2021)

AWS (American Welding Society)

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

BSR/AWS B2.1-5A-225-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium- Molybdenum Steel (M-5A/P-5A), IN521 and ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-225-2021)

AWS (American Welding Society)

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

BSR/AWS B2.1-5A-226-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium- Molybdenum Steel (M-5A/P-5A), IN521, ER90S-B3, and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-226-2021)

AWS (American Welding Society)

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

BSR/AWS B2.1-5A-222-2021 (R202x), Specification (SWPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-5A-222-2021)

CAGI (Compressed Air and Gas Institute)

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

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

Call for Members (ANS Consensus Bodies)

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.pumps.org

BSR/HI 4.1-4.6-2017 (R202x), Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test (reaffirmation of ANSI/HI 4.1-4.6-2017)

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

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

INCITS/ISO/IEC 20547-3:2020 [202x], Information technology - Big data reference architecture - Part 3: Reference architecture (identical national adoption of ISO/IEC 20547-3:2020)

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

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

INCITS/ISO/IEC 23053:2022 [202x], Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML) (identical national adoption of ISO/IEC 23053:2022)

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

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

INCITS/ISO/IEC 38507:2022 [202x], Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations (identical national adoption of ISO/IEC 38507:2022)

MHI (Material Handling Industry)

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

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

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA 61131-6-202x, Programmable Controllers (PLC) - Part 6: for Functional Safety (identical national adoption of IEC 61131-6-2012)

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA 61131-9-202x, Programmable Controllers (PLC) - Part 9: SingleDrop Communication Interface for Small Sensors and Actuators (identical national adoption of IEC 61131-9-2013)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

BSR/NEMA SG-IPRM 1-202x, Smart Grid Interoperability Process Reference Manual (revision of ANSI/NEMA SG-IPRM 1-2016)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

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

BSR/NSF 498-202x (i1r1), Sustainability Program Document for Architectural Coatings (new standard)

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

75 Barrett Drive, #1190, Webster, NY 14580 | paugino@optimaxsi.com, www.OEOSC.org

BSR OEOSC ISO 9211-202x, Optics and Electro-Optical Instruments - Optical coatings - Part 4: Specific test methods: abrasion, adhesion and resistance to water (identical national adoption of ISO 9211-4:2022)

TIA (Telecommunications Industry Association)

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

BSR/TIA 1179-B-202x, Healthcare Facility Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 1179-A-2017)

ULSE (UL Standards & Engagement)

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

BSR/UL 1581-202X, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2020)

ULSE (UL Standards & Engagement)

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

BSR/UL 2021-202x, Standard for Safety for General Use and Industrial Machines for Ordinary (Unclassified) and Hazardous Locations (new standard)

American National Standards (ANS) Process

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

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

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

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

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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ADA (Organization)

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ASC X9

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ASHRAE

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AWS

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HL7

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ANSI-Accredited Standards Developers Contact Information

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HPS (ASC N13)

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IES

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INMM (ASC N15)

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ISA (Organization)

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ITI (INCITS)

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NEMA (ASC C78)

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Additive manufacturing (TC 261)

ISO/ASTM DIS 52945, Additive manufacturing for automotive - Qualification principles - Generic machine evaluation and specification of key performance indicators for PBF-LB/M processes - 5/14/2022, \$82.00

Agricultural food products (TC 34)

ISO 7251:2005/DAmD 1, - Amendment 1: Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of presumptive *Escherichia coli* - Most probable number technique - Amendment 1: Inclusion of performance testing of culture media and reagents - 9/29/2022, \$29.00

Aircraft and space vehicles (TC 20)

ISO/DIS 24354, General Requirements of Civil Small and Light Unmanned Aircraft System Payload Interface - 9/30/2022, \$40.00

Bases for design of structures (TC 98)

ISO/FDIS 23618, Bases for design of structures - General principles on seismically isolated structures - 5/23/2021, \$119.00

Cleaning equipment for air and other gases (TC 142)

ISO/DIS 23139, Biological equipment for treating air and other gases - Application guidance for deodorization in wastewater treatment plants - 10/2/2022, \$58.00

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

ISO/DIS 5091-1, Structural intervention of existing concrete structures using cementitious materials - Part 1: General principles - 5/19/2022, \$93.00

Dentistry (TC 106)

ISO/DIS 24395, Dentistry - Classification of tooth restorations preparation - 10/2/2022, \$33.00

Earth-moving machinery (TC 127)

ISO/DIS 21815-3, Earth-moving machinery - Collision warning and avoidance - Part 3: Risk area and risk level - Forward/reverse motion - 5/15/2022, \$119.00

Ergonomics (TC 159)

ISO/DIS 20685-2, Ergonomics - 3-D scanning methodologies for internationally compatible anthropometric databases - Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions - 10/1/2022, \$77.00

Fluid power systems (TC 131)

ISO/FDIS 12238, Pneumatic fluid power - Directional control valves - Measurement of shifting time - 9/4/2021, \$67.00

Healthcare organization management (TC 304)

ISO/DIS 6028, Pandemic Response - Functional requirements for self-symptom checker app - 5/13/2022, \$71.00

Horology (TC 114)

ISO/DIS 17514, Time-measuring instruments - Photoluminescent deposits - Test methods and requirements - 5/14/2022, \$53.00

Laboratory glassware and related apparatus (TC 48)

ISO/DIS 10991, Microfluidics - Vocabulary - 5/19/2022, \$67.00

Mechanical testing of metals (TC 164)

ISO/DIS 4545-1, Metallic materials - Knoop hardness test - Part 1: Test method - 5/14/2022, \$93.00

Mechanical vibration and shock (TC 108)

ISO/FDIS 20816-3, Mechanical vibration - Measurement and evaluation of machine vibration - Part 3: Industrial machinery with a power rating above 15 kW and operating speeds between 120 r/min and 30 000 r/min - 6/10/2021, \$88.00

Microbeam analysis (TC 202)

ISO/FDIS 22029, Microbeam analysis - EMSA/MAS standard file format for spectral-data exchange - 11/14/2019, \$58.00

Nanotechnologies (TC 229)

ISO/DIS 19337, Nanotechnologies - Characteristics of working suspensions of nano-objects for in vitro assays to evaluate inherent nano-object toxicity - 10/2/2022, \$67.00

Non-destructive testing (TC 135)

ISO/DIS 4773, Non-destructive testing - Ultrasonic guided wave testing using the phased array technique - 10/1/2022, \$67.00

Paints and varnishes (TC 35)

ISO/DIS 4624, Paints and varnishes - Pull-off test for adhesion - 9/29/2022, \$58.00

ISO/DIS 4628-10, Paints and varnishes - Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 10: Assessment of degree of filiform corrosion - 9/29/2022, \$40.00

Paper, board and pulps (TC 6)

ISO/FDIS 12625-15, Tissue paper and tissue products - Part 15: Determination of optical properties - Measurement of brightness and colour with C/2° (indoor daylight) illuminant - 11/11/2021, \$53.00

Petroleum products and lubricants (TC 28)

ISO/DIS 6729, Petroleum products and other liquids - Standard test method for ethanol determination in gasoline blends by gas chromatography - 5/14/2022, \$46.00

Plain bearings (TC 123)

ISO/DIS 4383, Plain bearings - Multilayer materials for thin-walled plain bearings - 5/15/2022, \$53.00

Plastics (TC 61)

ISO/DIS 2113, Reinforcement fibres - Woven fabrics - Requirements and specifications - 5/14/2022, \$46.00

Powder metallurgy (TC 119)

ISO/FDIS 5842, Powder metallurgy - Hot isostatic pressing - Argon detection using gas chromatography and mass spectrometry techniques - 10/10/2021, \$53.00

Railway applications (TC 269)

ISO/FDIS 24675-1, Railway Applications - Running time calculation for timetabling - Part 1: Requirements - 10/3/2021, \$77.00

Road vehicles (TC 22)

ISO/FDIS 34501, Road vehicles - Test scenarios for automated driving systems - Vocabulary - 10/7/2021, \$53.00

ISO/FDIS 34502, Road vehicles - Test scenarios for automated driving systems - Scenario based safety evaluation framework - 10/9/2021, \$155.00

Rubber and rubber products (TC 45)

ISO/DIS 4633, Rubber seals - Joint rings for water supply, drainage and sewerage pipelines - Specification for materials - 10/1/2022, \$58.00

Security (TC 292)

ISO/DIS 22328-2, Security and resilience - Emergency management - Part 2: Guidelines for the implementation of a community-based landslide early warning system - 10/2/2022, \$62.00

ISO/DIS 22343-1, Security and resilience - Vehicle security barriers - Part 1: Performance requirement, vehicle impact test method and performance rating - 10/2/2022, \$134.00

ISO/DIS 22343-2, Security and resilience - Vehicle security barriers - Part 2: Application - 10/2/2022, \$134.00

Ships and marine technology (TC 8)

ISO/DIS 22554, Ships and marine technology - Propeller shaft revolution indicators - Electric type and electronic type - 9/29/2022, \$53.00

Solid biofuels (TC 238)

ISO/FDIS 18122, Solid biofuels - Determination of ash content - 8/2/2021, \$46.00

ISO/FDIS 20048-2, Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 2: Operational method for screening of carbon monoxide off-gassing - 9/26/2021, \$58.00

Solid mineral fuels (TC 27)

ISO/FDIS 923, Coal - Density separation equipment for coal - Performance evaluation - 8/2/2021, \$93.00

Solid Recovered Fuels (TC 300)

ISO/FDIS 21911-1, Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry - 11/6/2021, \$58.00

Sports and recreational equipment (TC 83)

ISO/DIS 23537-2, Requirements for sleeping bags - Part 2: Fabric and material properties - 5/14/2022, \$40.00

Textiles (TC 38)

ISO/FDIS 9867, Textiles - Evaluation of the wrinkle recovery of fabrics - Appearance method - 10/30/2021, \$82.00

ISO/DIS 17751-2, Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends - Part 2: Scanning electron microscopy method - 9/18/2022, \$125.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 23316-2, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 2: Physical interface - 10/2/2022, \$125.00

ISO/DIS 23316-3, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 3: Safety requirements - 10/2/2022, \$62.00

ISO/DIS 23316-4, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 4: AC operation mode - 10/3/2022, \$93.00

Traditional Chinese medicine (TC 249)

ISO/DIS 5228, Traditional Chinese Medicine -Rheum palmatum, Rheum tanguticum, and Rheum officinale root and rhizome - 5/15/2022, \$82.00

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

ISO 8536-15:2022/DAmD 1, - Amendment 1: Infusion equipment for medical use - Part 15: Light-protective infusion sets for single use - Amendment 1 - 9/30/2022, \$29.00

Waste collection and transportation management (TC 297)

ISO/FDIS 24161, Waste collection and transportation management - Vocabulary - 9/17/2021, \$67.00

Welding and allied processes (TC 44)

ISO/DIS 15611, Specification and qualification of welding procedures for metallic materials - Qualification based on previous welding experience - 5/19/2022, \$33.00

ISO/DIS 17663, Welding - Quality requirements for heat treatment in connection with welding and allied processes - 5/14/2022, \$58.00

ISO/DIS 25980, Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes - 5/16/2022, \$67.00

Wood-based panels (TC 89)

ISO 12460-1:2007/DAmD 1, - Amendment 1: Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the 1-cubic-metre chamber method - Amendment 1: Other analytical procedures - 9/29/2022, \$29.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10646:2020/DAmD 1, - Amendment 1: Information technology - Universal coded character set (UCS) - Amendment 1: CJK Unified Ideographs Extension H, Vithkuqi, Old Uyghur, Cypro-Minoan, and other characters - 9/29/2022, \$269.00

ISO/IEC DIS 25059, Software engineering - Systems and software Quality Requirements and Evaluation (SQuARE) - Quality model for AI systems - 5/13/2022, \$67.00

ISO/IEC DIS 27071, Cybersecurity - Security recommendations for establishing trusted connections between devices and services - 5/13/2022, \$88.00

ISO/IEC DIS 19775-1, Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) - Part 1: Architecture and base components - 10/1/2022, \$155.00

ISO/IEC DIS 24029-2, Artificial intelligence (AI) - Assessment of the robustness of neural networks - Part 2: Methodology for the use of formal methods - 5/13/2022, \$82.00

ISO/IEC FDIS 14496-15, Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format -, \$215.00

IEC Standards

JTC1-SC41/297/DTR, ISO/IEC TR 30172 ED1: Digital Twin - Use cases, 09/09/2022

48B/2978/NP, PNW 48B-2978 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 61076 8 XXX: Power connectors Detail specification for 2P power plus 2P signal plastic housing rectangular shielded connectors with 300A rated current and IP68/IPXXB degree of protection, 10/07/2022

48B/2979/NP, PNW 48B-2979 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-XXX: Power connectors - Detail specification for 3-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 20A, 10/07/2022

48B/2980/NP, PNW 48B-2980 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-XXX: Power connectors - Detail specification for 2-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 50 A, 10/07/2022

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

100/3798(F)/FDIS, IEC 63207 ED1: Measurement methods of blue light characteristics and related optical performance for visual display terminals, 08/19/2022

Dependability (TC 56)

56/1962/CD, IEC 60300-3-10 ED2: Dependability management - Part 3-10: Application guide - Maintainability and maintenance, 09/09/2022

Electric cables (TC 20)

20/2043/CD, IEC 60811-201/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 10/07/2022

20/2044/CD, IEC 60811-202/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 10/07/2022

20/2045/CD, IEC 60811-503/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, 10/07/2022

20/2046/CD, IEC 60811-508/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 10/07/2022

Electric traction equipment (TC 9)

9/2862/CD, IEC 61373 ED3: Railway applications - Rolling stock equipment - Shock and vibration tests, 10/07/2022

9/2863/CD, IEC 62590-2-1 ED1: Railway applications - Fixed installations - Electronic power converters - Part 2-1: DC Traction Applications - Diode rectifiers, 10/07/2022

Electrical apparatus for explosive atmospheres (TC 31)

31/1635/NP, PNW 31-1635 ED1: EXPLOSIVE ATMOSPHERES - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 10/07/2022

Electrical equipment in medical practice (TC 62)

62B/1283/CDV, IEC 61223-3-8 ED1: Evaluation and routine testing in medical imaging departments - Part 3-8: Acceptance and constancy tests - Imaging performance of X-ray equipment for radiography and radioscopy, 10/07/2022

Electroacoustics (TC 29)

29/1126(F)/FDIS, IEC 60118-0 ED4: Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids, 08/05/2022

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

48B/2976/FDIS, IEC 60512-27-200 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, 08/26/2022

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

104/940/CD, IEC 60721-3-9 ED2: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 9: Microclimates inside products, 09/09/2022

Fibre optics (TC 86)

86A/2214/CDV, IEC 60794-1-306 ED1: Optical fibre cables - Part 1-306: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon torsion, Method G6, 10/07/2022

86A/2215/CDV, IEC 60794-1-308 ED1: Optical fibre cables - Part 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon residual twist test, G8, 10/07/2022

86A/2223/CD, IEC 60974-1-111 ED1: Optical fibre cables - Part 1-111: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Bend, method E11, 10/07/2022

86B/4641/FDIS, IEC 61300-2-5 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion, 08/26/2022

86B/4642/FDIS, IEC 61755-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 1: Optical interfaces for dispersion unshifted fibres - General and guidance, 08/26/2022

86B/4640/FDIS, IEC 61755-2-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-2: Connection parameters of dispersion unshifted physically contacting fibres - Angled, 08/26/2022

Flat Panel Display Devices (TC 110)

110/1445/DTR, IEC TR 62595-1-5 ED1: Display lighting unit - Part 1-5: Electrical signal interface of LED BLU, 09/09/2022

Fuel Cell Technologies (TC 105)

105/916/CDV, IEC 62282-8-301 ED1: Fuel cell technologies - Part 8-301: Energy storage systems using fuel cell modules in reverse mode - Power to methane energy systems based on solid oxide cells including reversible operation - Performance test methods, 10/07/2022

Industrial-process measurement and control (TC 65)

65E/929/CD, IEC 62381 ED3: Automation systems in the process industry - Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT), 10/07/2022

65E/930/CD, IEC 62382 ED3: Control systems in the process industry - Electrical and instrumentation loop check, 10/07/2022

Lamps and related equipment (TC 34)

34A/2291/FDIS, IEC 63286 ED1: Flexible organic light emitting diode (OLED) panels for general lighting - Performance requirements, 08/26/2022

Lightning protection (TC 81)

81/708/NP, PNW 81-708 ED1: Lightning protection system components (LPSC) - Part 9 Requirements for components for protection against dangerous touch voltage, 10/07/2022

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

116/622/FDIS, IEC 62841-4-6 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums, 08/26/2022

Semiconductor devices (TC 47)

47F/413/CD, IEC 62047-44 ED1: Semiconductor devices - Micro-electromechanical devices - Part 44: Test methods for dynamic performances of MEMS resonant electric-field-sensitive devices, 09/09/2022

47F/410/CD, IEC 62047-45 ED1: Semiconductor devices - Micro-electromechanical devices - Part 45: Silicon based MEMS fabrication technology - Measurement method of impact resistance of nanostructures, 09/09/2022

47F/411/CD, IEC 62047-46 ED1: Semiconductor devices - Micro-electromechanical devices - Part 46: Silicon based MEMS fabrication technology - Measurement method of tensile strength of nanoscale membrane, 09/09/2022

47F/412/CD, IEC 62047-47 ED1: Semiconductor devices - Micro-electromechanical devices - Part 47: Silicon based MEMS fabrication technology - Measurement method of bending strength of microstructures, 09/09/2022

Solar photovoltaic energy systems (TC 82)

82/2060/CDV, IEC 63257 ED1: Power line communication for DC shutdown equipment - Communication signal, physical layer, 10/07/2022

Surface mounting technology (TC 91)

91/1803/NP, PNW 91-1803 ED1: Materials for printed boards and other interconnecting structures - Part 2-XXX: Reinforced base materials clad and unclad-Thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad, 10/07/2022

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

121A/505/CDV, IEC 61095 ED3: Electromechanical contactors for household and similar purposes, 10/07/2022

121B/159/CDV, IEC 61439-3 ED2: Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO), 10/07/2022

(TC)

JTC1-SC41/298/NP, PNW JTC1-SC41-298 ED1: Digital twin - Maturity model and guidance for a maturity assessment, 10/07/2022

Tools for live working (TC 78)

78/1397(F)/FDIS, IEC 62819 ED1: Live working - Eye, face and head protectors against the effects of electric arc - Performance requirements and test methods, 08/12/2022



Newly Published ISO & IEC Standards

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

ISO Standards

Aircraft and space vehicles (TC 20)

[ISO 23312:2022](#), Space systems - Detailed space debris mitigation requirements for spacecraft, \$149.00

Building construction (TC 59)

[ISO 12006-3:2022](#), Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information, \$200.00

Environmental management (TC 207)

[ISO 14030-3:2022](#), Environmental performance evaluation - Green debt instruments - Part 3: Taxonomy, \$250.00

Fireworks (TC 264)

[ISO 22863-11:2022](#), Fireworks - Test methods for determination of specific chemical substances - Part 11: Phosphorus content by inductively coupled plasma optical emission spectrometry (ICP-OES), \$48.00

Fluid power systems (TC 131)

[ISO 16030:2022](#), Pneumatic fluid power - Connections - Ports and stud ends, \$111.00

Industrial furnaces and associated processing equipment (TC 244)

[ISO 13577-4:2022](#), Industrial furnaces and associated processing equipment - Safety - Part 4: Protective systems, \$250.00

Metallic and other inorganic coatings (TC 107)

[ISO 5154:2022](#), Decorative metallic coatings for radio wave transmissive application products - Designation and characterization method, \$149.00

Nuclear energy (TC 85)

[ISO 11929-4:2022](#), Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Fundamentals and application - Part 4: Guidelines to applications, \$250.00

Other

[ISO 15701:2022](#), Leather - Tests for colour fastness - Colour fastness to migration into polymeric material, \$48.00

Road vehicles (TC 22)

[ISO 23365:2022](#), Heavy commercial vehicles and buses - Definitions of properties for the determination of suspension kinematic and compliance characteristics, \$175.00

Surface chemical analysis (TC 201)

[ISO 23729:2022](#), Surface chemical analysis - Atomic force microscopy - Guideline for restoration procedure for atomic force microscopy images diluted by finite probe size, \$111.00

Timber (TC 218)

[ISO 8965:2022](#), Logging industry - Technology - Vocabulary, \$48.00

ISO Technical Reports

Biomimetics (TC 266)

[ISO/TR 23846:2022](#), Biomimetics - Image search engine, \$73.00

[ISO/TR 23847:2022](#), Biomimetics - Integrating problem- and function-oriented approaches applying the TRIZ method, \$73.00

ISO Technical Specifications

Implants for surgery (TC 150)

[ISO/TS 24560-1:2022](#), Tissue-engineered medical products - MRI evaluation of cartilage - Part 1: Clinical evaluation of regenerative knee articular cartilage using delayed gadolinium-enhanced MRI of cartilage (dGEMRIC) and T2 mapping, \$175.00

Solid mineral fuels (TC 27)

[ISO/TS 4676:2022](#), Coal - Determination of carboxyreactivity, \$73.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 23385:2022](#), Information technology - Office equipment - Method for measuring single photo printing time for digital printing devices, \$111.00

IEC Standards

All-or-nothing electrical relays (TC 94)

[IEC 62314 Ed. 2.0 b:2022](#), Solid-state relays - Safety requirements, \$354.00

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

[IEC 61726 Ed. 4.0 b:2022](#), Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method, \$133.00

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60384-19 Ed. 4.0 b:2022](#), Fixed capacitors for use in electronic equipment - Part 19: Sectional specification: Fixed metallized polyethylene terephthalate film dielectric surface mount DC capacitors, \$259.00

Electrical accessories (TC 23)

[IEC 63355 Ed. 1.0 b:2022](#), Cable management systems - Test method for content of halogens, \$89.00

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

[IEC 62055-42 Ed. 1.0 b:2022](#), Electricity metering - Payment systems - Part 42: Transaction Reference Numbers (TRN), \$392.00

Fibre optics (TC 86)

[IEC 61753-051-02 Ed. 1.0 b:2022](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 051-02: Plug-receptacle style single-mode fibre fixed optical attenuators for category C - Controlled environments, \$89.00

Other

[IEC SRD 63200 Ed. 1.0 en:2021](#), Definition of extended SGAM smart energy grid reference architecture model, \$392.00

[IEC SRD 63219 Ed. 1.0 en:2022](#), Active assisted living (AAL) system development guidance for AAL service providers, \$133.00

[IEC SRD 63235 Ed. 1.0 en:2021](#), Smart city system - Methodology for concepts building, \$133.00

[IEC SRD 63233-1 Ed. 1.0 en:2022](#), Smart city standards inventory and mapping - Part 1: Methodology, \$183.00

Surface mounting technology (TC 91)

[IEC/PAS 61191-10 Ed. 1.0 en:2022](#), Printed board assemblies - Part 10: Application and utilization of protective coatings for electronic assemblies, \$443.00

Switchgear and controlgear (TC 17)

[IEC 62271-100 Ed. 3.0 b Cor.2:2022](#), Corrigendum 2 - High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers, \$0.00

IEC Technical Reports

Laser equipment (TC 76)

[IEC/TR 60825-3 Ed. 3.0 en:2022](#), Safety of laser products - Part 3: Guidance for laser displays and shows, \$259.00

Safety of machinery - Electrotechnical aspects (TC 44)

[IEC/TR 63161 Ed. 1.0 en:2022](#), Assignment of a safety integrity requirements - Basic rationale, \$310.00

IEC Technical Specifications

Ultrasonics (TC 87)

[IEC/TS 62791 Ed. 2.0 en:2022](#), Ultrasonics - Pulse-echo scanners - Low-echo sphere phantoms and method for performance testing of grey-scale medical ultrasound scanners applicable to a broad range of transducer types, \$392.00

International Electrotechnical Commission (IEC)

USNC Virtual Technical Advisory Groups (VTAGs)

IEC Diversity Advisory Committee (DAC)

Participants Needed

Individuals interested in serving as the USNC VTAGs on the IEC DAC are invited to contact **Betty Barro at bbarro@ansi.org** as soon as possible.

Scope

The Diversity Advisory Committee (DAC) has the task to propose guidance, as requested, to the IEC Board for its selection process of members of the other bodies reporting to the IEC Board. Guidelines may include appropriate skills and competencies matrices, best practices for diversity performance indicators and recommended monitoring measures, as needed at any level of the Commission.

Such guidelines and provisions of recommendations shall also be available to National Committees for consideration in their nominations, including for membership on the IEC Board.

Any guidelines developed by the DAC shall be submitted for approval by the IEC Board.

The DAC is composed of one Chair, three members from Group A Members and three members from non-Group A Members.

USNC Virtual Technical Advisory Groups (VTAGs)

IEC Business Advisory Committee (BAC)

Participants Needed

Individuals interested in serving as the USNC VTAGs on the IEC BAC, DAC, GRAC are invited to contact **Betty Barro at bbarro@ansi.org** as soon as possible.

Scope

The IEC Board delegates to the Business Advisory Committee (BAC) the coordination of financial planning and outlook, commercial policies and activities as well as organizational (information technology) infrastructure in support of the IEC Board.

The BAC comprises 4 members of the IEC Board, 15 members from National Committees and the Officers (without vote).

International Electrotechnical Commission (IEC)

USNC Virtual Technical Advisory Groups (VTAGs)

IEC Governance Review and Audit Committee (GRAC)

Participants Needed

Individuals interested in serving as the USNC VTAG on the IEC GRAC are invited to contact **Betty Barro** at bbarro@ansi.org as soon as possible.

Scope

The Governance Review and Audit Committee (GRAC) is an advisory group that assists in providing independent oversight of governance of the Commission, ensuring the financial security and compliance of the Commission, and reducing potential risk in current (financial) operations. The GRAC makes recommendations to the IEC Board.

The GRAC is composed of one Chair, three members from Group A Members and three members from non-Group A Members.

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

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

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

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

AARST Consortium on National Radon Standards

Website: www.standards.aarst.org Email: StandardsAssist@gmail.com

527 N Justice Street, Hendersonville, NC 28739

AARST CCAH Updates 8/22

Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses

This proposed revision addresses radon testing after completing construction of new homes in accordance ANSI/AARST publication CCAH 2020. This revision is part of continuous maintenance efforts to harmonize and update AARST CCAH, RRNC and CC-1000 standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

A link to receive future public review notices and bylaw procedures for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review.

REQUESTED PROCESS AND FORM FOR FORMAL PUBLIC REVIEW COMMENTS

Submittals (MS Word preferred) may be attached by email to StandardsAssist@gmail.com

- 1) Do not submit marked-up or highlighted copies of the entire document.
 - 2) If a new provision is proposed, text of the proposed provision must be submitted in writing. If modification of a provision is proposed, the proposed text must be submitted utilizing the strikeout/underline format.
 - 3) For substantiating statements: Be brief. Provide abstract of lengthy substantiation. (If appropriate, full text may be enclosed for project committee reference.)
-

Commentary/Rationale: The proposed revision to Section 801 is a result of efforts to more closely harmonize with other AARST standards and current codes related to this topic.

SECTION 801 RADON TESTING

801.1 Radon testing

A short-term *radon* test shall be initiated performed prior to or within 60 days of occupancy and shall be performed by a *certified/licensed* measurement professional. Testing shall be performed in accordance with ANSI/AARST MAH "Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes" or applicable state protocols or requirements. Where testing results are greater than the NAL, a *certified/licensed* mitigation professional shall ~~be required to~~ perform diagnostic tests and mitigation action ~~and radon testing shall be required~~ until *radon* concentrations to below the NAL are achieved. The final written test report with results less than the NAL shall be provided to the authority having jurisdiction.

AARST Consortium on National Radon Standards

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527 N Justice Street, Hendersonville, NC 28739

AARST CC-1000 Updates 8/22

Soil Gas Control Systems in New Construction of Buildings

This proposed revision addresses radon testing as a performance metric after completing construction, in accordance with CC-1000, of multifamily, school, commercial and mixed-use buildings. This revision is part of continuous maintenance efforts to harmonize and update AARST CCAH, RRNC and CC-1000 standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

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Commentary/Rationale: [The proposed addition is a result of efforts to more closely harmonize with other AARST standards and other standards related to this topic.](#)

SECTION 10: COMPLETION OF SYSTEMS

10.3 Performance testing

10.3.1 Radon

Where the purpose of the system design includes protecting against exposure to radon gas, the building shall be tested, postconstruction, for radon in accordance with ANSI/AARST MAMF or MALB, as applicable. Where radon testing indicates that the indoor radon concentration equals or exceeds the national action level, the system shall be activated and the building shall be retested to verify if the radon concentration is below the national action level. Where testing indicates mitigation goals have not been met after system activation, additional diagnostics and mitigation shall be conducted by a *qualified mitigation professional*, in accordance with ANSI/AARST RMS-MF/LB.

10.3.3 Performance test reports

Reports to be provided in the OM&M manual described in Section 12.2 shall include:

- a) Results of evaluations that indicate effectiveness, and as applicable
- b) Indoor air concentration measurement reports with results less than the national action level.

AARST Consortium on National Radon Standards

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527 N Justice Street, Hendersonville, NC 28739

AARST MAH Updates 7/22

Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes

These proposed revisions address quality control of test conditions. The proposed revisions are applicable to ANSI/AARST publication MAH 2019 (measurement in homes). This revision is part of continuous maintenance efforts to harmonize and update AARST MAH, MAMF and MALB radon measurement standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

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-
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Commentary/Rationale: The proposed replacement to Section 8.5.4 and 8.5.5 addresses the need for field professionals to pay attention to test conditions required by this standard. The proposal (underlined text revisions) clarifies this obligation by rendering it as part of quality control, much the same as required quality control for test device accuracy.

8.5 Test Reports

8.5.4 Reliability of the measurements

A specific *client* advisory and description shall be included in the test report of observed building conditions or other factors that may cause the test to not reflect the *client's* risk from radon.

8.5.5 Quality control of test conditions

Quality control records when testing homes shall include records of observed test conditions, to include those specified in [Table 8.5.5](#). These test event records shall be either included in the test report or provided to the *client* upon request.

Table 8.5.5 Quality Control Records / Test Conditions	<i>Example Test Event Log</i>
Temporary conditions	
1. The property, dwelling or portion of the building tested was not operated under occupied operating conditions because it was vacant;	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
2. Systems were temporarily ventilating with outdoor air for seasonal comfort or energy savings during the test period, including:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
a. Closable passive <i>crawl space</i> vents that were open during the test but would be closed more than 50% of the year for energy savings, comfort or to prevent frozen pipes,	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
b. Window air conditioners did not have closed outside air dampers,	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
c. Evaporative cooling systems were operating or not covered,	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
d. Energy recovery ventilators, heat recovery ventilators or <i>economizer</i> ventilation systems: – the system was not set to the lowest outdoor air ventilation rate that occurs during all seasons. – not all thermostats in areas served by these systems were set to <i>normal occupiable temperatures</i> ;	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
3. Sub-slab return ducts are observed which can cause dramatic temporary fluctuations in radon concentrations; and	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
4. Weather events occurred that were unusually severe for local weather.	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
Deviations from protocol	
1. Observed noncompliance with required conditions, such as closed-building conditions 12 hours prior to, or during the test period;	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
2. Observed deviation from a <i>normal occupiable indoor temperature</i> ; and	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
3. <u>Noninterference</u> controls indicate concerns regarding protocol compliance. Note—Non-interference controls can include signed noninterference agreements, or refusal to sign such agreement, moved devices and observed anomalies in data, such as in hourly CRM data.	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> U
Other:	<i>Specify</i>

Note—For this example method of logging observed conditions: Y=yes, N=no, NA=not applicable and U=unknown.

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AARST RRNC Updates 8/22

Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses

This proposed revision addresses radon testing after completing construction of new homes in accordance ANSI/AARST publication RRNC 2020. This revision is part of continuous maintenance efforts to harmonize and update AARST CCAH, RRNC and CC-1000 standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

A link to receive future public review notices and bylaw procedures for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review.

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-

Commentary/Rationale: The proposed addition (Section 801) is a result of efforts to more closely harmonize with other AARST standards and current codes related to this topic.

SECTION 801 **RADON TESTING**

801.1 Radon testing

A short-term radon test shall be initiated performed prior to or within 60 days of occupancy and shall be performed by a certified/licensed measurement professional. Testing shall be performed in accordance with ANSI/AARST MAH "Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes" or applicable state protocols or requirements. Where testing results are greater than the NAL, a certified/licensed mitigation professional shall perform diagnostic tests and mitigation action until radon concentrations to below the NAL are achieved. The final written test report with results less than the NAL shall be provided to the authority having jurisdiction.



**BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum e to Standard 62.1-2019, Ventilation and Acceptable Indoor Air Quality

**Second Public Review (June 2022)
(Draft shows Proposed
Changes to Current Standard)**

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

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

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

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ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 30092

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
Second 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

Mold and microbial growth in buildings has been a persistent problem and health concern in all parts of the world. In 2019, the ASHRAE Board of Directors approved a major change to ASHRAE Standard 62.1 to reduce the risks of mold and moisture accumulation in mechanically cooled buildings. Section 5.10 of ASHRAE Standard 62.1-2019 now instructs designers of ventilation systems to provide equipment and controls that limit the indoor air dew point to a maximum of 60°F (15°C) during both occupied and unoccupied mode operation.

*However, the dampness and mold problem sometimes also occurs in buildings cooled by direct evaporation into the supply air. At present, Std 62.1 does not address these risks. And the recent ASHRAE publication titled; *Damp Buildings, Human Health and HVAC Design* makes it clear that damp buildings remain a concern for human health. (ASHRAE March 2020 – ISBN: 978-1-947192-48-5)*

In light of that concern, the 62.1 committee is considering the most appropriate way for designers to limit humidity in buildings and spaces served by direct evaporative cooling equipment.

A large proportion of evap-cooled buildings are industrial facilities and warehouses. These are rarely (if ever) overcooled. Condensation is less of a concern for buildings that have relatively warm indoor surfaces. That said, it must be admitted that if uncontrolled, some configurations of direct evaporative equipment can and sometimes do over-saturate the indoor air, leading to moisture absorption, accumulation and building dampness.

However, evaporative cooling saves energy and provides appropriate thermal comfort at higher, more economical indoor air temperatures in hundreds of thousands of buildings all over the world. So while excessive dampness remains a concern, the energy-saving and comfort benefits of direct evap cooling should not be limited by a low dew point that applies to buildings held at cooler temperatures by mechanical cooling. Surface temperatures of materials inside evap cooled-buildings are typically quite warm compared to those in mechanically-cooled buildings, so the risk of persistent dampness is lower. Therefore, limiting the indoor RH rather than the dew point would be a more energy-appropriate strategy.

Revisions made in this second publication public review are to align the structure with a continuous maintenance proposals on Section 5.10, including more details on the requirements for clarity. An exception for data centers has been added in response to a public comment on the first publication public review.

[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 e to 62.1-2019

Insert new Section 5.11. Existing sections are to be renumbered accordingly.

5.11 Direct Evaporatively Cooled Buildings. Systems that include cooling by direct evaporation into the supply air shall be designed in accordance with the following sections:

5.11.1 Humidity Limits. Air in each HVAC zone shall be limited to a maximum relative humidity of 65% whenever evaporative cooling equipment is operating.

5.11.2 Analysis. The designer shall calculate the relative humidity in the HVAC zone at the outdoor cooling design condition. The HVAC zone design condition and resulting relative humidity and temperature shall be included in the design documents to confirm that the design complies with the humidity limit defined in section 5.11.1.

5.11.3 Controls. The design shall include at least one humidity sensor in each HVAC zone served by direct evaporative cooling equipment. Devices and controls shall be provided to maintain relative humidity of air in each HVAC zone at or below the limit defined in section 5.11.1.

Exceptions to 5.11:

1. HVAC zones equipped with materials, assemblies, coatings, furnishings, and contents that resist microbial growth and that are not damaged by continuously high indoor air humidity.
2. Data centers, telephone closets, server rooms, and similar HVAC zones in mixed use buildings.

Informative Notes:

1. Examples of HVAC zones exempted by exception 1 include shower rooms, swimming pool enclosures, kitchens, spa rooms, or semi-cooled warehouses that contain stored contents that are not damaged by continuously high indoor air humidity or microbial growth.
2. Examples of HVAC zones potentially exempted by exception 2 are those with installed equipment or machinery that generates a continuous sensible cooling load that is high enough to reduce relative humidity to less than 65% when calculated using the surface temperatures of walls, floor and ceiling, rather than when calculated using the temperature of air in the HVAC zone. Surfaces that remain relatively warm are at relatively low risk for either condensation or moisture accumulation large enough to support health-relevant dampness and microbial growth.



**BSR/ASHRAE Addendum L
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum L to Standard 62.1-2019, Ventilation and Acceptable Indoor Air Quality

**First Public Review (June 2022)
(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 **Error! Hyperlink reference not valid.**www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

FOREWORD

This proposed addendum seeks to address emerging UV technologies that are capable of emitting specific wavelengths of light near to the current 185nm restriction that also produce ozone. The specific requirement is based on the ASHRAE Position Document on Filtration and Air Cleaning, which indicates that lamps that produce ozone are broadly categorized as those that emit wavelengths less than 200 nm.

Definitions of listed and labeled have also been provided to clarify that any national testing laboratory that lists and labels products may certify the performance to a listed standard, this includes not just UL-2998, but all other standards listed within the document.

[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 L to 62.1-2019

Add the following Section 3 Definitions.

labeled: equipment, materials, or products to which has been affixed a label, seal, symbol, or other identifying mark of a nationally recognized testing laboratory, approved agency, or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-labeled items and whose labeling indicates either that the equipment, material, or product meets identified standards or has been tested and found suitable for a specified purpose.

listed: equipment, materials, products, or services included in a list published by an approved organization and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product, or service meets identified standards or has been tested and found suitable for a specified purpose.

Revise Section 5.7 as shown below.

5.7 Ozone ~~Emitting~~ ~~Generating~~ Devices. The use of ozone ~~emitting~~ ~~generating~~ devices shall comply with the following sections.

Exception to 5.7: ~~Electronic devices used exclusively for the operation of HVAC equipment and controls.~~

Informative Note: Ozone generation is expected from ozone generators, corona discharge technology, some ultraviolet lights, electronic devices that create chemical reactions within the system, and some devices using a high voltage (>480 V). Motors and relays are examples of electronic devices that would be exempt.

BSR/ASHRAE Addendum L to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
First Public Review Draft

5.7.1 Air-Cleaning Devices. Air-cleaning devices with electronic filter elements shall be listed and labeled in accordance with UL 2998.

~~**Informative Note:** The use of devices not intended for air cleaning with the potential to generate ozone should be avoided.~~

5.7.2 Ultraviolet Devices. Ultraviolet generating devices in supply air or spaces or located in equipment, ducts, or plenums that supply or recirculate air to indoor spaces shall not ~~transmit~~ emit 185 nm-wavelengths less than 200 nm.

~~**Informative Note:** Ultraviolet devices used in treatment of closed water systems may produce 185 nm wavelengths, which may generate ozone.~~



**BSR/ASHRAE Addendum m
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum m to Standard 62.1-2019, Ventilation and Acceptable Indoor Air Quality

**First Public Review (June 2022)
(Draft shows Proposed
Changes to Current Standard)**

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ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 30092

BSR/ASHRAE Addendum m to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
First 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

Healthcare facilities often have a mixture of spaces within the scope of Standard 170 and Standard 62.1. Section 6.2.4.1.3 created a conflict with ASHRAE/ASHE Standard 170 since it required the application of diversity and ventilation efficiency to healthcare. In addition, there was no clear direction in Standards 62.1 and 170 on how to calculate the total outdoor air at the system levels for systems serving both 170 and 62.1 spaces. A working group of members from both SSPC170 and SSPC62.1 investigate the use of 4 possible calculations methods and selected the most appropriate method which was tested on 14 actual healthcare projects. The method was issued in Addendum f of Standard 170. This proposed addendum is issued in conjunction to allow this new method under Standard 62.1.

[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 m to 62.1-2019

Revise Section 6.2.4.1.3 as shown below.

6.2.4.1.3 Other Ventilation Requirements. When a zone ventilation rate is obtained from criteria other than this standard, the ventilation rate shall be converted to cfm or L/s and the value added to V_{ou} for use in system design calculations.

Exception to 6.2.4.1.3: For systems serving spaces in the scope of both this standard and in ASHRAE/ASHE Standard 170, the total design outdoor air intake flow shall be calculated per ASHRAE/ASHE Standard 170, but shall in no case be less than the design outdoor air intake flow (V_{ot}) required by this standard.



**BSR/ASHRAE Addendum n
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum n to Standard 62.1-2019, Ventilation and Acceptable Indoor Air Quality

**First Public Review (June 2022)
(Draft shows Proposed
Changes to Current Standard)**

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FOREWORD

The Indoor Air Quality procedure (IAQP) requires that a mass balance calculation be performed. Any mass balance that includes filtration or air cleaning requires a particle filtration efficiency or gaseous removal efficiency. This addendum requires that the efficiencies of these devices be tested to current standards. However, with no specific testing requirements, there is no assurance that designs will work.

ASHRAE's Position Document on Filtration and Air Cleaning¹ (January 2015) states "All filtration and air-cleaning technologies should be accompanied by data documenting their performance regarding removal of contaminants; these data should be based on established industry test standards." Previous draft addenda to the standard included testing to ASHRAE standards but were viewed by some as being overly restrictive. This addendum is more inclusive, citing ISO standards for example. To ensure objectivity for test equipment suppliers, no specific design of the test apparatus is specified. Instead requirements of apparatus properties and validation tests are specified.

¹ASHRAE Position Document on filtration and air cleaning. January 29, 2015. Atlanta: ASHRAE.

<https://www.ashrae.org/File%20Library/About/Position%20Documents/Filtration-and-Air-Cleaning-PD.PDF>

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Addendum n to 62.1-2019

Add New Section 6.3.4 as shown below. Renumber other sections and tables as appropriate.

6.3.4 Air cleaning. Where particulate matter or gas phase air cleaning is included in the design, the removal efficiencies shall be specified as follows. Particulate matter filters shall report an efficiency reporting value (MERV) in accordance with ASHRAE Standard 52.2¹² or reporting in accordance with ISO 16890^x. Gas phase air cleaners shall report an efficiency test for all compounds included in the design in accordance with any of the following:

1. ASHRAE Standard 145.2^{xx}
2. ISO 10121-2^{oo}
3. Testing by methods in Section 6.1.2, 10.4, and 10.5 and reported as required in Section 11 of ASHRAE Standard 145.2
4. Testing to a national consensus standard approved by the authority having jurisdiction.
5. For technologies not covered by any of the above, tests developed to demonstrate the removal efficiency shall be performed by a third-party. The custom efficiency test shall be conducted for all compounds included in the design and shall comply with the following:
 - A. Test of the background concentration without the air cleaning in operation
 - B. Test of the output concentration with the air cleaning in operation

BSR/ASHRAE Addendum n to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
First Public Review Draft

- C. Be conducted under air cleaning operating conditions that matches the IAQP design operating conditions
Informative note: Air cleaning operating conditions include fan voltage, flow rate, and other settings that are consistent with the manufactures operating specifications.
- D. Be conducted using the relevant laboratory methods for analysis and quantification as specified in Table 7.1. Inorganic compounds and PM_{2.5} may be measured instead using direct read instruments that are calibrated in accordance with the device manufacturer's recommendations, capable of measuring below the design limit, and consistent with the performance requirements specified in Table 7.2.

Any custom efficiency test description, covering points 1 to 4 above and challenge test concentration shall be documented and approved by the authority having jurisdiction. All test results along with relevant equipment settings shall be provided upon request.

Table 7.1. Allowed laboratory test methods

Compound	Allowed Test Methods
VOCs except formaldehyde, acetaldehyde and acetone	ISO 16000-6 ^{YY} ; EPA IP-1 ^{GG} , EPA TO-17 ^{EE} ; ISO 16017-1 ^{AA} ; ISO 16017-2 ^{BB} ; ASTM D6345-10 ^{KK}
Formaldehyde, acetaldehyde and acetone	ISO 16000-3 ^{ZZ} ; EPA TO-11 ^{FF} ; EPA IP-6 ^{II} ; ASTM D5197 ^{LL}
carbon monoxide	ISO 4224 ^{DD} ; EPA IP-3 ^{HH}

Table 7.2. Direct reading instruments minimum specifications

	Ozone	PM _{2.5}	CO
Accuracy (±)	5 ppb	Greater of 5 µg/m ³ or 20% of reading	Greater of 3 ppm or 20% of reading
Resolution (±)	1 ppb	5 µg/m ³	1 ppm

Add the following reference to Section 9. The remainder of Section 9 is unchanged.

9. References

- XX. *ANSI/ASHRAE Standard 145.2-2016, Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices.* Atlanta: ASHRAE.
- YY. *ISO Standard 16000-6 (2011), Indoor air -- Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID.* Geneva, Switzerland, International Organization for Standardization.
- ZZ. *ISO Standard 16000-3 (2011), Indoor air -- Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air -- Active sampling method.* Geneva, Switzerland, International Organization for Standardization
- FF. *EPA TO-11 (1999). Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by High Performance Liquid Chromatography (HPLC) [Active Sampling Methodology] in Compendium*

BSR/ASHRAE Addendum n to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
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- of Methods for the Determination of Toxic Organic Compounds in Ambient Air*, Second Edition. Cincinnati, OH, USEPA
- II. *EPA IP-6 (1990). Determination of Formaldehyde or other Aldehydes in Indoor Air in Compendium of Methods for the Determination of Air Pollutants in Indoor Air.* RTP, NC, USEPA
- LL. *ASTM D5197 (2016). Standard Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology).* ASTM International, West Conshohocken, PA.
- MM. *ISO 16000-24:2018 Indoor air -- Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials.* Geneva, Switzerland, International Organization for Standardization.
- NN. *ISO 16000-23:2018 Indoor air -- Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials.* Geneva, Switzerland, International Organization for Standardization.
- OO. *ISO 10121-2:2013. Test methods for assessing the performance of gas-phase air cleaning media and devices for general ventilation -- Part 2: Gas-phase air cleaning devices (GPACD).* Geneva, Switzerland, International Organization for Standardization
- GG. *EPA IP-1 (1990). Determination of Volatile Organic Compounds (VOCs) in Indoor Air in Compendium of Methods for the Determination of Air Pollutants in Indoor Air.* RTP, NC, USEPA.
- EE. *EPA TO-17 (1999). Determination of Volatile Organic Compounds in Ambient Air Using Active Sampling Onto Sorbent Tubes in Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*, Second Edition. Cincinnati, OH, USEPA.
- AA. *ISO Standard 16017-1 (2000), Indoor, ambient and workplace air -- Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography -- Part 1: Pumped sampling.* Geneva, Switzerland, International Organization for Standardization.
- BB. *ISO Standard 16017-2 (2003), Indoor, ambient and workplace air -- Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography -- Part 2: Diffusive sampling.* Geneva, Switzerland, International Organization for Standardization.
- KK. *ASTM D6345-10 (2010). Standard Guide for Selection of Methods for Active, Integrative Sampling of Volatile Organic Compounds in Air.* ASTM International, West Conshohocken, PA.
- DD. *ISO Standard 4224 (2000), Ambient air -- Determination of carbon monoxide -- Non-dispersive infrared spectrometric method.* Geneva, Switzerland, International Organization for Standardization.
- HH. *EPA IP-3 (1990). Determination of Carbon Monoxide (CO) or Carbon Dioxide (CO₂) in Indoor Air in Compendium of Methods for the Determination of Air Pollutants in Indoor Air.* RTP, NC, USEPA.



**BSR/ASHRAE Addendum ag
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

Proposed Addendum ag to Standard 34-2019, Designation and Safety Classification of Refrigerants

**First Public Review (July 2022)
(Draft shows Proposed Changes to Current Standard)**

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180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE Addendum ag to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
First Public Review Draft

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FOREWORD

This proposed addendum revises the submission instructions to remove the requirement for applications for designation and safety classification of refrigerants to be submitted in print format, and clarifies that applications are to be submitted in electronic format only.

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 ag to Standard 34-2019

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. APPLICATION INSTRUCTIONS

9.9 Submission

[...]

9.9.3 ~~Print and Electronic Formats.~~ Required information and evidence ~~must~~ shall be submitted in PDF or word-searchable electronic format, ~~both print and electronic formats.~~

9.9.4 ~~Format.~~ Applications shall be provided on 8.5 × 11 in. or A4 (21 × 29.7 cm) paper. Reproduction may be either single or double sided (on one or both sides of the paper). Pages shall be bound using a cover that facilitates disassembly, insertion of supplementary pages, and reassembly without staples or binding machines, such as three ring binders or covers with three bend over tabs (standard two or four ring binders or covers with two bend over tabs for A4 paper). Tabbed dividers shall be inserted before each part identified in Section 9.2, ~~except the cover.~~

9.9.59.9.4 ~~Quantity.~~ A PDF or word-searchable electronic file ~~and an unbound copy of the application~~ shall be provided to the ASHRAE Senior Manager of Standards. A scanned PDF file is acceptable for figures and other inserts. ~~A bound copy will only be provided if a committee member or staff member requests it.~~

9.9.69.9.5 ~~Recipient.~~ Submit applications by email to standards.section@ashrae.org, with attention to the ASHRAE Senior Manager of Standards. ~~to the following address:~~

Senior Manager of Standards
ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329-2305 USA

9.9.79.9.6 ~~Elaborate Applications.~~ Elaborate proposals containing brochures on the applicant, performance data, and other material not needed for committee deliberations are discouraged.

9.9.89.9.7 ~~Substantiation.~~ Copies of data sources referenced in applications shall be submitted for committee use upon request by the Senior Manager of Standards. These copies shall include the complete documents or pertinent chapters to enable verification of methods and limitations. ~~The quantity shall be as indicated in Section 9.9.5.~~

BSR/ASHRAE Addendum ag to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
First Public Review Draft

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**BSR/ASHRAE/IES Addendum cy
to ANSI/ASHRAE/IES Standard 90.1-2019**

Public Review Draft

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

**First Public Review (July 2022)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

This addendum further modifies the reference update for standard 90.4 to include all published addenda to the 2019 standard.

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Addendum cy to 90.1-2019

Modify the standard as follows (IP and SI Units):

Reference	Title
...	
ASHRAE 180 Technology Parkway NW Peachtree Corners, GA 30092	
ANSI/ASHRAE Standard 90.4-2019 6 (with Addenda a and b)(with Addenda a, b, <u>d, e, and f</u>)	Energy Standard for Data Centers
...	

Standard: UL 207

Standard Title: Standard for Refrigerant-Containing Components and Accessories, Nonelectrical

Date of Proposal: July 22, 2022

Comments Due: August 21, 2022

SUMMARY OF TOPICS

The following topics are being recirculated for your review:

2.. Proposed revisions to align with the removal of Table 11.1

PROPOSAL

2.. 5.7 Joints on copper tubing used on components for use with Group 2, 2L, or 3 refrigerants, as classified in the Safety Code for Mechanical Refrigeration, ASHRAE 15, shall be brazed or welded joints or be refrigeration fittings complying with 10A.1. See 3A.25.

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BSR/UL 1037, Standard for Safety for Antitheft Alarms and Devices

1. Addition to Scope to Include Residential Security Containers

PROPOSAL

1 Scope

1.1 These requirements apply to the construction, performance, and operation of equipment intended to provide antitheft protection.

1.2 An antitheft alarm is intended to give both audible and visible signals or only an audible signal if theft of protected property is attempted.

1.3 An antitheft device is intended to protect property by significantly limiting the mobility or portability of the property.

1.4 Equipment intended to provide a degree of fire resistance is additionally covered under the requirements of the Standard for Tests for Fire Resistance of Record Protection Equipment, UL 72.

1.5 These requirements also cover Residential Security Containers, performance Levels I, II and III (see section 54).

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BSR/UL 1484, Standard for Safety for Standard for Residential Gas Detectors

1. One Year Sensor Stability Test for Gas Sensors

PROPOSAL

49.18 One Year (minimum) Sensor Stability Test for Gas Sensors

49.18.1 General

49.18.1.1 A minimum fifteen samples of the gas sensor shall be placed within a closed chamber (test fixture) that shall allow for the following:

- a) Logging of the manufacturer's defined sensor output parameters;
- b) Control of the rate of gas injection to reach the target gas concentration within 3 min;
- c) Recommended/supporting electronic detection circuitry, which shall be supplied by the sensor manufacturer for each gas sensor under test;
- d) Application of the target gas concentration for a minimum of one year as follows:
 - ~~1) For sensors intended to detect gases at flammable or combustible concentrations before toxic or asphyxiant levels are achieved, the following shall be required:~~
 - 1) The manufacturer shall identify each specific gas type that the sensor is intended to detect;
 - 2) Sensor data from the manufacturer shall be provided demonstrating the sensor's performance when subject to each gas specified in (1);
 - 3) Unless the manufacturer identifies the sensor's ability to speciate gas types, at a minimum, 15 gas sensor samples shall be subjected to methane and 15 gas sensor samples shall be subjected to propane;
 - 4) The test gases specified in (3) may be changed or additional gases added to the test program if data from (1) and (2) demonstrate that additional gases and/or concentrations may be required;
 - 5) The test gas concentration for each gas used during testing shall be a minimum of 60 ppm \pm 5 ppm;
 - 6) When applicable, the sensor manufacturer shall provide sensor data that details the sensors' cross-sensitivity performance when calibrated to a specific gas.
 - ~~2) For gases other than those specified in 49.18.1.1(d)(1) and with gas concentrations that are toxic before becoming flammable, combustible or being considered an asphyxiant, the following shall be required:~~
 - ~~i) Minimum 15 sensors shall be subjected to each gas type that the product is intended to detect;~~
 - ~~ii) The manufacturer shall provide information on the intended application and additional cross-sensitivity gas(es) which the sensor is intended to detect.~~
 - ~~iii) The sensor manufacturer shall provide sensor data that details the sensor's response to each gas type and the sensor's performance range when subject to each gas as specified in (i) and (ii);~~

~~iv) The test gas concentration shall be set at the Time Weighted Average (TWA) gas concentration:~~

~~A. As defined in the NIOSH Pocket Guide to Chemical Hazards or,~~

~~B. If more than one TWA value is provided in the NIOSH Pocket Guide to Chemical Hazards, the lowest TWA gas concentration shall be used or,~~

~~C. The gas supplier's TWA as specified in the Material Safety Data Sheet (MSDS) shall be used if a TWA gas concentration value is not defined in the NIOSH Pocket Guide to Chemical Hazards or,~~

~~D. The manufacturer may identify response limits that represent a detection response faster than the TWA,~~

~~E. In no case shall the performance of the sensor exceed the TWA response limits as specified in (iv).~~

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BSR/UL 1581, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords

PROPOSALS

For brevity, only the affected portion of Table 47.1 is shown.

Table 47.1
Index to insulation and jacket materials

Material	Applicable table(s) or paragraphs in this standard
PTFE (TFE) PTFE insulation, PTFE insulation from Type TFE, PTF, and PTFE wires and PTFE (TFE) insulation from power-limited circuit cable and cable for power-limited fire-alarm circuits	Table 50.219
PVDF and PVDF copolymer Jackets from CATV cables and insulation and jacket from power-limited circuit cable and cable for power-limited fire-alarm circuits <u>Flexible PVDF Jackets</u>	Table 50.185 Table 50.18X

NEW TABLE

Table 50.18X
Physical properties of 150°C and 125°C Flexible PVDF jackets^a

Condition of specimens at time of measurement	Minimum ultimate elongation (1-inch or 25-mm bench marks) ^b	Minimum tensile strength ^b
Unaged Specimens of 150°C material: Aged in a full-draft circulating-air oven for 60 d at 158+/- 1.0°C (316.4 +/- 1.8°F) Specimens of 125°C material: Aged in a full-draft circulating-air oven for 168 h at 158.0 +/-1.0°C (316.4 +/- 1.8°F) or Aged in a full-draft circulating-air oven for 30 d at 136 +/- 1.0°C (276.8 +/- 1.8°F)	100 50 percent of the result with unaged specimens See Note ^c See Note ^c	2500 lbf/in ² or 17.2 MPa 50 percent of the result with unaged specimens See Note ^c See Note ^c

^aFlexible PVDF copolymer designates a thermoplastic material whose characteristic constituent is a copolymer of polyvinylidene fluoride and hexafluoropropylene having a flexural modulus below 60,000 psi when tested per ASTM D790. The material is the uncompounded polymer to which it is appropriate to add a small amount of additives including pigment and lubricants.

^bFlexible PVDF copolymer are to be tested at a speed of 2.0 \pm 0.2 in/min or 50 \pm 5 mm/min.

^cAged specimens of the jacket, of the foamed insulation in place on the conductor, or the solid insulation in place on the conductor are to be wound onto a mandrel as described under "Flexibility" in the applicable wire Standard. Unaged specimens of the jacket and of the solid insulation are to be tested for tensile strength and elongation. Jacket damage after aging caused by outgassing of lower-temperature insulated conductors within the cable does not constitute noncomplying performance.

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BSR/UL 1996, Standard for Safety for Electric Duct Heaters

1. ANSI approval of the revisions covering alternate compliance paths for UL 873 and UL 353.

3.8.2.1 A control, other than as specified in 3.8.3 – 3.8.4, shall comply with:

- a) ~~Deleted~~ The Standard for Temperature Indicating and Regulating Equipment, UL 873; or
- b) The Standard for Automatic Electrical Controls; Part 1: General Requirements, UL 60730-1; or
- c) A circuit meeting the parameters of Section 24A and the alternate circuit requirements of Section 24B.

3.8.3 Temperature controls

3.8.3.1 A temperature control shall comply with the:

- a) ~~Deleted~~ The Standard for Temperature Indicating and Regulating Equipment, UL 873; or
- b) Standard for Industrial Control Equipment, UL 508; or
- c) Standard for Automatic Electrical Controls; Part 1: General Requirements, UL 60730-1; and the Standard for Automatic Electrical Controls; Part 2: Particular Requirements for Temperature Sensing Controls, UL 60730-2-9; or
- d) Parameters of Section 24A and the alternate circuit requirements of Section 24B.

21.1 A contactor, time-delay relay, or similar device, such as a silicon controlled rectifier, that controls a fan or blower motor shall comply with the requirements for a fan control as given in the Standard for Limit Controls, UL 353; or the Standard for Automatic Electrical Controls, Part 1: General Requirements, UL 60730-1 and the Standard for Automatic Electrical Controls, Part 2: Particular Requirements for Temperature Sensing Controls, UL 60730-2-9.

22.5 A thermal cutoff shall comply with the Standard for Thermal-Links – Requirements and Application Guide, UL 60691. A manual or automatic resetting thermal protector shall have an endurance rating of not less than 6000 cycles and shall comply with The Standard for Temperature Indicating and Regulating Equipment, UL 873, or shall be a type-2 action thermal cut-out, as specified in the Standard for Automatic Electrical Controls, Part 1: General Requirements, UL 60730-1 and the Standard for Automatic Electrical Controls; Part 2: Particular Requirements for Temperature Sensing Controls, UL 60730-2-9.

23.3.2 The temperature-limiting controls shall comply with the applicable requirements of the Standard for Limit Controls, UL 353, or shall be a type-2 action thermal cut-out, as specified in the Standard for Automatic Electrical Controls, Part 1: General Requirements, UL 60730-1 and the Standard for Automatic Electrical Controls, Part 2: Particular Requirements for Temperature Sensing Controls, UL 60730-2-9.

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BSR/UL 6142, Standard for Small Wind Turbine Systems

1. Eliminate Offshore Exclusion from Scope

PROPOSAL

1.3 These requirements do not cover:

- a) ~~WT generating systems intended for off-shore installation.~~
- a~~b~~) WT generating systems intended for hazardous locations;
- b~~e~~) Mechanical or structural integrity of the WT system or subassemblies;
- c~~d~~) Verification that the manufacturer-defined controls and protection limits maintain the WT system within its safe mechanical and structural limits;
- d~~e~~) Mechanical loading of ladders, hoist supports, elevator mounting means, scaffolding, personnel tie offs, or other personnel load-bearing functional parts.

2. Update American Wind Energy Association (AWEA) references to American Clean Power Association (ACP)

1.2 The WT power, control and protection systems are evaluated only to the extent that they function within the manufacturer's specified limits and response times. These control and protection functions are evaluated with respect to risk of electric shock and fire. It is intended that the electrical subassemblies that address power transfer control and protection functions evaluated per this document are to be coordinated with the mechanical and structural limitations specified in AWEA 9.1-2009, ANSI/ACP 101-1-2021, The Small Wind Turbine Standard, or the applicable IEC 61400 series documents., or Germanischer Lloyd: Guideline for the Certification of Wind Turbines documents.

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