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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.

ASME (American Society of Mechanical Engineers)

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Revision

BSR/ASME B18.2.6-202x, Fasteners for Use in Structural Applications (revision of ANSI/ASME B18.2.6-2019)

Stakeholders: Producers/Manufacturers, Users, Designers, Distributors, etc.

Project Need: The Standard is being revised to bring it up to date with current industry practices.

Interest Categories: AA - Constructor, AB - Designer, AD - Distributer, AF - General Interest, AG - Installer, AK - Manufacturer, CA - Producer

This Standard covers the complete general and dimensional data for five products in the inch series. These five structural products include (a) heavy hex structural bolts: ASTM F3125/F3125M; (b) heavy hex nuts: ASTM A563 and ASTM A194/A194M; (c) hardened steel washers — circular, circular clipped, and beveled: ASTM F436/F436M; (d) compressible washer-type direct tension indicators: ASTM F959/F959M; (e) twist-off-type structural bolts — heavy hex and round: ASTM F3125/F3125M.

ASTM (ASTM International)

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New Standard

BSR/ASTM D7049-202x, Standard Test Method for Metalworking Fluid Aerosol in Workplace Atmospheres (new standard)

Stakeholders: Health and Safety Standards for Metal Working Fluids Industry

Project Need: This test method provides an extension to current non-standardized methods by adding an extractable mass concentration which reduces interferences from nonmetal removal fluid aerosols.

Interest Categories: Producer, User, General Interest

1.1 This test method covers a procedure for the determination of both total collected particulate matter and extractable mass metalworking fluid aerosol concentrations in the range of 0.07 to 5 mg/m³ in workplace atmospheres. 1.2 This test method describes a standardized means of collecting worker exposure information that can be compared to existing exposure databases, using a test method that is also more specific to metal removal fluids. 1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard. 1.4 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use. 1.5 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

AWS (American Welding Society)

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Revision

BSR/AWS A5.3/A5.3M-202x, Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.3/A5.3M-2023)

Stakeholders: Producers of aluminum filler metal and fabricators are the major stakeholders

Project Need: Update for new practices and classifications

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

This specification prescribes requirements for the classification of covered (flux coated) E1100, E3003, and E4043 aluminum-alloy electrodes for shielded metal arc welding. Tests conducted for classification are chemical analysis of the core wire as well as tensile and bend tests from groove weld test assemblies fabricated with each of two sizes of electrode for each classification. Standard electrode sizes, electrode identification, and chemical composition limits are specified. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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National Adoption

BSR/AWS A5.10/A5.10M (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273:2015 with modifications and revision of ANSI/AWS A5.10/A5.10M (ISO 18273-2023 MOD))

Stakeholders: Producers of aluminum filler metal and fabricators are the major stakeholders

Project Need: Update for new practices and classifications

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

This specification prescribes requirements for the classification of bare wrought and cast aluminum-alloy electrodes and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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National Adoption

BSR/AWS A5.12M/A5.12 (ISO 6848-202x MOD), Specification for Tungsten and Oxide Dispersed Electrodes for Arc Welding and Cutting (national adoption of ISO 6848:2015 with modifications and revision of ANSI/AWS A5.12M/A5.12 (ISO 6848-2023 MOD))

Stakeholders: Welding industry

Project Need: This specification is needed for welding professionals involved in tungsten and oxide dispersed tungsten for arc welding and cutting electrodes.

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

This specification prescribes the requirements for the classification of pure tungsten and oxide dispersed tungsten electrodes for gas tungsten arc welding and plasma arc welding and cutting. Classification is based upon the chemical composition of the electrode. Standard sizes, finish, lengths, quantities, product identification, color coding, and chemical composition limits are specified. This specification adopts the requirements of ISO 6848:2015 and incorporates the provisions of earlier versions of AWS A5.12.

FCI (Fluid Controls Institute)

Leslie Schraff <fci@fluidcontrolsinstitute.org> | 1300 Sumner Avenue | Cleveland, OH 44115 www.fluidcontrolsinstitute.org

Revision

BSR/FCI 4-1-202x, Pressure Regulator Hydrostatics Shell Test Method (revision of ANSI/FCI 4-1-2014 (R2019))

Stakeholders: Manufacturers, users and specifiers of pressure regulators

Project Need: To provide guidelines and procedures for conducting production hydrostatic tests of pressure regulator shells and reporting results for manufacturers of pressure regulators.

Interest Categories: Manufacturers, users and general interest

This standard establishes a method for conducting production hydrostatic testing of pressure regulator shells having bodies, bonnets, casings, and spring cases manufactured from any materials.

FCI (Fluid Controls Institute)

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Revision

BSR/FCI 85-1-202x, Standard for Production and Performance Testing of Steam Traps (revision of ANSI/FCI 85-1-2019)

Stakeholders: Manufacturers, users and specifiers

Project Need: The standard was developed to assist manufacturers, users and specifiers of the products to comply with production and performance characteristics of automatic steam traps.

Interest Categories: Manufacturers, users and general interest

This standard specifies production and performance tests that are considered applicable to steam traps.

FCI (Fluid Controls Institute)

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Revision

BSR/FCI 97-1-202x, Standard for Production Testing of Secondary Pressure Drainers (revision of ANSI/FCI 97-1-2019)

Stakeholders: Manufacturers, users and specifiers of secondary pressure drainers.

Project Need: The standard was developed to provide manufacturers, users, and specifiers of the products with uniform methods and requirements to conduct production testing of secondary pressure drainers.

Interest Categories: Manufacturers, users and specifiers of secondary pressure drainers.

The standard specifies production tests that are considered applicable to secondary pressure drainers. These tests may be conducted to ensure the correct functioning of either: (1) complete secondary pressure drainers; (2) the operating mechanisms thereof.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 421.4-202x, Guide for the Preparation of Excitation System Specifications (new standard)

Stakeholders: Electrical engineers in power plants involving all areas of generation.

Project Need: The guide is up for renewal. Minor updates and clarifications will be added to improve the document.

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

This guide provides the necessary material to the specification writer in order to prepare the specification for the procurement of an excitation system for a synchronous machine. The guide presents information in narrative form with the descriptions and functions of particular features that are to be examined in preparing specifications. This guide also identifies the most modernized industry functions as it pertains to preparing specifications for the procurement.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 493-202x, Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems (new standard)

Stakeholders: The stakeholders of this standard include public and private organizations including Medical, Data Centers, Government (both State and Federal), Industrial, Commercial.

Project Need: The "Gold Book" (IEEE STD 493) has been a popular IEEE STD for many years and continues to be demanded by industry. This update will include the already published DOT STD consisting of the individual chapters in the Gold Book. Two additional chapters will need to be updated and included in the compiled Gold Book but most of the chapters have been converted to DOT STDs. This process will address the industries desire to combine the Reliability DOT STDs and into a consolidated Gold Book, 493.

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

This recommended practice presents fundamentals of reliability analysis applied to the planning and design of industrial and commercial electric power distribution systems. The recommended practice helps conducting reliability analyses on industrial and commercial power systems. The document addresses the following aspects:

- Basic concepts of reliability analysis by probability methods;
- Fundamentals of power system reliability evaluation;
- Economic evaluation of reliability;
- Data related to the cost of power outage;
- Extensive mechanical and electrical equipment reliability data;
- The complete U.S. Army Corps of Engineers Power Reliability Enhancement Program (PREP) database;
- Examples of reliability analysis of various industrial distribution system operating configurations;
- Continuous power delivery;
- Voltage sag analysis;
- Emergency and standby power;
- Evaluating and improving the reliability of existing electrical system;
- Preventative maintenance;
- Reliability and maintainability verification;
- Standard data collection techniques.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 628-202x, Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations (new standard)

Stakeholders: Nuclear Power Plant Owners, architect-engineers / consultants, manufacturers, and regulators of the nuclear power industry.

Project Need: The revision is needed to perform a general update of the standard within the statutory 10-year renewal period. Additional material will be added to address life cycle management of raceway systems. Also, updates will be made to address technology related to cables for digital control systems. Revise the scope/title of the standards to include all cables important to safety for nuclear generating stations.

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

This standard provides criteria for the minimum requirements in the selection, design, installation, and qualification of raceway systems for circuits important to safety for nuclear generating stations. It also prescribes methods for the structural qualification of raceway systems for circuits important to safety.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1860-202x, Recommended Practice for Voltage Regulation and Reactive Power Compensation at 1 MV Alternating Current (ac) and Above (new standard)

Stakeholders: The stakeholders for this standard include scientific research organizations and universities, as well as, electric equipment manufacturers.

Project Need: Compared to the transmission systems at 500 kV ac and below, UHV transmission systems at 1 MV and above have larger charging power and more complex control, which aggravate reactive power and voltage problems. Especially in power system planning and design, reactive power compensation and voltage regulation measures have a great impact on security and stability of the system. With large-scale renewable energy development, the demand for long-distance transmission and wide-area power flow transfer is increasing.

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

The recommended practice provides basic principles for voltage regulation and reactive power compensation. It also provides acceptable voltage deviation limits range, as well as technical measures for voltage and reactive power adjustment and allocation in power systems at 1 MV ac and above.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1861-202x, Recommended Practice for On-Site Acceptance Tests of Electrical Equipment and System Commissioning of 1 MV Alternating Current (ac) and Above (new standard)

Stakeholders: The universality of this standard relates not only to the technical aspects, but also to the adoption of this standard as being pertinent across a number of industries and institutions, e.g., equipment manufacturers, utilities, energy service companies, and other interested entities.

Project Need: Since the publication of this Guide in 2014, additional UHV ac equipment, specifically including transformers and GIL equipment, has been put into operation with associated development of testing and evaluation technologies. The guide needs to be reviewed and revised based on accumulated operational data, experience, and the current state-of-the-art. Based on the current state-of-the-art, review is that it is appropriate to change the document from a Guide to a Recommended Practice.

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

This Recommended Practice applies to on-site acceptance tests and system commissioning of Ultra-High Voltage (UHV) 1 MV ac and above power equipment. It provides criteria and recommendations for UHV test equipment, conditions, methods, and results. UHV power equipment includes:

- Power transformers;
- Reactors;
- Gas-insulated transmission lines (GIL);
- Capacitive voltage transformers (CVTs);
- Gas-insulated switchgear;
- Air-insulated grounding switches;
- Air-insulated disconnecting switches;
- Bushings & Metal-oxide surge arrestors (MOSAs) & Suspension insulators & Post insulators & Associated insulating oil.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1862-202x, Recommended Practice for Overvoltage and Insulation Coordination of Transmission Systems at 1 MV Alternating Current (ac) and Above (new standard)

Stakeholders: The universality of this standard relates not only to the technical aspects, but also to the manufacturers, utilities, energy service companies, and other interested entities.

Project Need: During the past decade or so, additional UHV ac power transmission projects have been constructed and put into operation with equipment such as gas-insulated metal-enclosed transmission line (GIL) and controllable arrestors being used. Updates are needed to address the design and application of insulation coordination.

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

This recommended practice applies to transmission system at 1 MV ac and above. It defines standard insulation levels and specifies procedures for selecting insulation levels of ac transmission lines and substations. It also describes reliability criteria under switching and lightning overvoltages. Suggestions on insulation coordination design are described. Overvoltage mitigation measures are recommended according to the characteristics of such ac systems. Some examples of insulation coordination are also presented.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3005.7-202x, Recommended Practice for Application of Metering for Energy Management of Industrial and Commercial Power Systems (new standard)

Stakeholders: Industrial, commercial, healthcare, data centers, metering equipment manufacturers.

Project Need: Efficient use of electrical energy is critical both to the financial success of operators of industrial and commercial power systems and to society's efforts to reduce greenhouse gas emissions and transition to renewable electrical resources. Proper application of metering is essential to this process.

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

This recommended practice covers the application of metering for the energy-management of industrial and commercial power systems. Topics covered include the motivation for use of metering in energy management, power quality monitoring, types of meters and their application, metering location versus requirements, and metering techniques. Practical examples of insights that can be gained from meters to drive operational changes in facilities and energy management are presented.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3401-202x, Standard for the Visual Quality Assessment of Auto-Stereoscopic Displays (new standard)

Stakeholders: Researchers, manufacturers, and customers of the auto-stereoscopic displays

Project Need: Auto-stereoscopic displays, which present three-dimensional images without requiring the viewer to wear special glasses or headgear, have attracted significant attention in fields such as television, movies, gaming, and virtual reality due to their ability to provide users with an immersive visual experience. Poor quality can result in viewer-eye fatigue, discomfort, and even nausea. Therefore, alongside the development of auto-stereoscopic display technologies, it is crucial to develop quality assessment metrics that align with human subjective perception.

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

This standard defines and quantifies the factors that affect the visual quality of the auto-stereoscopic displays, including crosstalk, resolution, screen size, and viewing angle. This standard includes procedures for testing the visual quality of the auto-stereoscopic displays under various conditions. This standard also defines deep learning-based methods for objectively assessing the visual quality of the auto-stereoscopic displays.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE 21451.7-202x, Standard for Smart Transducer Interface for Sensors and Actuators-Transducers to Radio Frequency Identification (RFID) Systems Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats (revision of ANSI/IEEE 21451.7-2011)

Stakeholders: The stakeholders include sensor/network manufacturers, RFID tag/system manufacturers, system integrators, sensor/RFID system users, retailers, shipping container manufacturers, shippers/carriers, instrumentation, measurement, and control system manufacturers and users.

Project Need: RFID technologies are rapidly emerging as the means of tracking products and assets. Standards are being developed to address these needs. Sensors can provide information about the condition of the products. And there is a great need to provide sensor data as part of the supply chain reporting. However, openly defined standard interfaces between sensors and RFID tags still need to be improved. Since the IEEE 1451 suite of smart transducer interfaces for sensors and actuators are recognized sensor interface standards in the industry, this project can fill that gap by providing such sensor-to-RFID tag interfaces to meet industry needs.

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

This standard defines data formats to facilitate communications between radio frequency identification (RFID) systems and smart RFID tags with integral smart transducers (sensors and actuators) of an Instrumentation and Control system for the Industrial Internet of Things (IIOT). The standard defines the data messaging formats based on the IEEE 1451 family of standards. This standard also defines a specific method of communication and Information Analysis for IIoT.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C37.12.1-202x, Recommended Practice for Contents of Instruction Manual for Circuit Breakers Above 1000 V AC (new standard)

Stakeholders: Users and Manufacturers of High-Voltage Circuit Breakers, High-Voltage Circuit Switchers, and specifiers of both types of equipment

Project Need: The existing Standard is due to expire in 2028. The scope and purpose were changed to include circuit switchers in the scope of this document. Due to the similarities between High-Voltage Circuit Breakers and High-Voltage Circuit Switchers, the content of the standard is being adjusted to include circuit switchers.

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

This recommended practice identifies, organizes, and summarizes information about high-voltage circuit breakers and circuit switchers provided by the manufacturer that is helpful to knowledgeable users for the receipt, installation, commissioning, operation and maintenance, and decommissioning of ac high-voltage circuit breakers and circuit switchers above 1000 VAC. This recommended practice recommends categories and an arrangement for the presentation of information in circuit breaker and circuit switcher instruction manuals.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE C57.153-202x, Guide for Paralleling Regulating Transformers (revision of ANSI/IEEE C57.153-2015)

Stakeholders: Stakeholders in this project include any public or private utilities or industrial or commercial users of paralleled power transformers. Also included are the customers whose service may be impacted by the misoperations of an incompatible paralleling method used on the supply system.

Project Need: When this guide was approved in 2015, the impact that distributed generation can have on the paralleling of transformers was not considered. The guide needs to be revised to discuss the impact that distributed generation may have on the paralleling of power transformers.

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

This guide describes and compares control methods of paralleling regulating transformers. This guide presents operating philosophy descriptions, sample wiring diagrams, typical operational variations, the provision of adequate backup protection, and typical misapplication consequences. This guide does not apply to phase-shifting regulating transformers.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C62.22-202x, Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems Over 1000 Volts (new standard)

Stakeholders: Electrical utilities, consultants, and arrester manufacturers.

Project Need: To bring the existing standard up to date with the latest information.

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

This guide covers the application of metal-oxide surge arresters (see IEEE Std C62.11-2020) to safeguard electric power equipment against the hazards of abnormally high voltage surges of various origins. Step-by-step directions toward proper solutions for various applications are provided. In many cases, the prescribed steps are adequate. More complex and special situations requiring study by experienced engineers are described and specific solutions are included. These procedures are based on theoretical studies, test results, and experience. This application guide does not cover the application of low-voltage surge protective devices below 1000 V alternating current (ac), except when applied to the secondary of a transformer.

ISA (Organization) (International Society of Automation)

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Revision

BSR/ISA 75.05.01-202x, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2019)

Stakeholders: All sectors of the manufacturing and processing industries

Project Need: To give users a glossary of definitions commonly used in the control valve industry.

Interest Categories: Architect-engineer, engineer-constructors, integrators; general; producer; and user

This document contains terminology for control valves.

ISA (Organization) (International Society of Automation)

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New Standard

BSR/ISA 75.11.01-202x, Inherent Flow Characteristic and Rangeability of Control Valves (new standard)

Stakeholders: All sectors of the manufacturing and processing industries

Project Need: To establish guidelines for the user and control valve manufacturer, to promote uniformity with respect to specifying and testing for flow characteristic and rangeability.

Interest Categories: Architect-engineer, engineer-constructors, integrators; general; producer; and user

The standard defines the statement of typical control valve inherent flow characteristics and inherent rangeabilities, and establishes criteria for adherence to manufacturer-specified flow characteristics.

ISA (Organization) (International Society of Automation)

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New Standard

BSR/ISA 75.13.01-202x, Method of Evaluating the Performance of Positioners with Analog Input Signals and Pneumatic Output (new standard)

Stakeholders: All sectors of the manufacturing and processing industries

Project Need: The document provides methods of evaluation for manufacturers of valve positioners to determine the performance of their products and for users or independent testing establishments to verify performance.

Interest Categories: Architect-engineer, engineer-constructors, integrators; general; producer; and user

This standard specifies tests designed to determine the performance of positioners with analog input signals and pneumatic output. The method of evaluation described in this standard specifies the use of an actuator of the user's or manufacturer's choice.

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: December 24, 2023

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

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

Revision

BSR/ASHRAE Standard 133-202xR, Method of Testing Direct Evaporative Air Coolers (revision of ANSI/ASHRAE Standard 133-2015)

This revision of Standard 133-2015 includes changes throughout the standard, including changes to meet ASHRAE's mandatory language requirements. This revision also establishes a uniform method of laboratory testing for rating packaged and component direct evaporative air coolers.

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

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

Comment Deadline: December 24, 2023

NEMA (ASC C37) (National Electrical Manufacturers Association)

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Revision

BSR C37.54-2024A, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2023)

When conformance tests are required, this standard specifies tests to demonstrate that the circuit breaker being tested conforms with the requirements and ratings defined in accordance with ANSI/IEEE C37.04. The preferred ratings listed are designated values but are not to be considered restrictive; however, the requirements given are restrictive. Conformance testing may be performed in conjunction with the basic design testing, if agreeable to those concerned; however, conformance testing is more likely to be performed to satisfy a special need, sometime after original development. As a requirement of conformance testing, the circuit breaker shall have completed the design testing requirements of ANSI/IEEE C37.09. If ANSI/IEEE C37.09 tests have not been previously performed, the tests required by ANSI/IEEE C37.09 beyond tests described by this standard may be performed concurrently with conformance testing..

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

Send comments (copy psa@ansi.org) to: Brian Marchionini <Brian.Marchionini@nema.org>

NSF (NSF International)

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

Revision

BSR/NSF 12-202x (i17r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2023)

This standard contains requirements for automatic ice making equipment and devices used in the manufacturing, processing, storing, dispensing, packaging, and transportation of ice intended for human consumption.

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

Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 12-202x (i18r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2023)

This standard contains requirements for automatic ice making equipment and devices used in the manufacturing, processing, storing, dispensing, packaging, and transportation of ice intended for human consumption.

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

Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

Comment Deadline: December 24, 2023

NSF (NSF International)

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

Revision

BSR/NSF 58-202x (i109r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

The point-of-use (POU) RO drinking water treatment systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered by this standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified herein.

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

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

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i206r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2023)

This standard covers materials, chemicals, components, products, equipment and systems related to public and residential recreational water facility operation.

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

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

RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

Revision

BSR/RVIA UPA-1-202x, Uniform Plan Approval Recreational Vehicles (revision of ANSI/RVIA UPA-1-2019)

This standard addresses plan approval requirements that specifically address the plumbing, electric, mechanical equipment, and components installed and located in recreational vehicles and outlines the criteria on how such plans are to be submitted for approval to authorities having jurisdiction or their agent.

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

Send comments (copy psa@ansi.org) to: Tyler Reamer <treamer@rvia.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 38-202x, Standard for Manual Signaling Boxes for Fire Alarm Systems (revision of ANSI/UL 38-2023)

The intention of this proposal is to bring UL 38 in line with other UL standards (UL 268, UL 464, etc.) that allow for an alternate 21 day mixed flowing gas corrosion test for indoor devices. This alternate MFG test is the result of research into corrosion mechanisms as they apply to electronic devices.

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

Send comments (copy psa@ansi.org) to: csds.ul.com

Comment Deadline: December 24, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 219-202x, Standard for Lined Fire Hose for Interior Standpipes (revision of ANSI/UL 219-2018)

1. Twists of hose harmonization with UL 19

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

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

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Revision

BSR/UL 2238-202x, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2023)

Clause 40.1.6 marking on body not for small size product

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

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

Comment Deadline: January 8, 2024

AAMI (Association for the Advancement of Medical Instrumentation)

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

Revision

BSR/AAMI ST24-202x, General-purpose ethylene oxide sterilizers with automated process control and ethylene oxide sterilant sources intended for use in health care facilities (revision of ANSI/AAMI ST24-1999 (R2018))

This standard covers minimum labeling, safety, performance, and testing requirements for ethylene oxide sterilizers that are intended for general-purpose use in health care facilities and that have automatic controls. It also covers labeling, product composition, and container requirements for ethylene oxide sterilant sources, as well as labeling, performance, safety, and installation requirements for ethylene oxide emission control systems.

Single copy price: Free

Obtain an electronic copy from: tkim@aami.org

Send comments (copy psa@ansi.org) to: Thomas Kim, tkim@aami.org

APA (APA - The Engineered Wood Association)

7011 South 19th Street, Tacoma, WA 98466 | borjen.yeh@apawood.org, www.apawood.org

Revision

BSR/APA PRP 210-202x, Standard for Performance-Rated Engineered Wood Siding (revision of ANSI/APA PRP 210-2019)

This standard provides manufacturing, qualification, and quality assurance requirements for engineered wood siding products made of veneer-based structural-use composites or laps with or without overlays on the faces.

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

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

Comment Deadline: January 8, 2024

ASA (ASC S1) (Acoustical Society of America)

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

Reaffirmation

BSR S1.4/Part 2 Amd.1/IEC 61672-2 Amd.1 (R202x), Electroacoustics - Sound Level Meters - Part 2: Pattern Evaluation Tests - Amendment 1 (a nationally adopted international standard amendment) (reaffirm a national adoption ANSI/ASA S1.4-2014/Part 2/Amd.1-2019/IEC 61672-2-2013/Amd.1-2017)

This document is an amendment to ANSI/ASA S1.4-2014/Part 2/IEC 61672-2:2013. The committee has decided that the contents of this amendment and the base publication will remain unchanged until the IEC stability date indicated on the IEC website in the data related to this publication. Since these documents are identical national adoptions, ASA will follow the same process.

Single copy price: \$35.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME/RA-S-1.1-202x, Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications (revision of ANSI/ASME/ANS RA-S-1.1-1-2022)

This Standard sets forth the requirements for probabilistic risk assessments (PRAs) used to support risk-informed decisions for commercial light water reactor nuclear power plants and prescribes a method for applying these requirements for specific applications.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Oliver Martinez <martinezo@asme.org>

ASTM (ASTM International)

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

Revision

BSR/ASTM D2152-202x, Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion (revision of ANSI/ASTM D2152-2017)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F381-202x, Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines (revision of ANSI/ASTM F381-2016)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

Comment Deadline: January 8, 2024

ASTM (ASTM International)

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

Revision

BSR/ASTM F1849-202x, Specification for Helmets Used in Short Track Speed Ice Skating (Not to Include Hockey) (revision of ANSI/ASTM F1849-2018)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F3021-202x, Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (revision of ANSI/ASTM F3021-2017)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F3022-202x, Test Method for Evaluating the Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (revision of ANSI/ASTM F3022-2016)

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

Single copy price: Free

Obtain an electronic copy 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 | kbulger@aws.org, www.aws.org

New Standard

BSR/AWS A5.1/A5.1M-202x, Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding (new standard)

This specification prescribes the requirements for classification of carbon steel covered electrodes used for shielded metal arc welding. The requirements include chemical composition and mechanical properties of weld metal, weld metal soundness, usability tests of electrodes, and moisture tests of the low-hydrogen electrode covering. Requirements for standard sizes and lengths, marking, manufacturing, and packaging are also included. Optional supplemental requirements include tests for improved toughness and ductility, lower and absorbed moisture in the electrode covering and for diffusible hydrogen in the weld metal. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$39.00 (non-member); \$30.00 (member)

Obtain an electronic copy from: kbulger@aws.org

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

Comment Deadline: January 8, 2024

AWS (American Welding Society)

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

Revision

BSR/AWS D17.1/D17.1M-202x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2017-AMD2)

This specification provides the general welding requirements for welding aircraft and space hardware. It includes but is not limited to the fusion welding of aluminum-based, nickel-based, iron-based, cobalt-based, magnesium-based, and titanium-based alloys using electric arc and high energy beam processes. There are requirements for welding design, personnel and procedure qualification, fabrication, inspection, and acceptance criteria for aerospace, support, and nonflight hardware. Additional requirements cover repair welding of existing hardware. A commentary for the specification is included.

Single copy price: \$90.00 (non-member); \$70.00 (member)

Obtain an electronic copy from: mdiaz@aws.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C210-202x, Liquid-Epoxy Coatings and Linings for Steel Water Pipe and Fittings (revision, redesignation and consolidation of ANSI/AWWA C210-15, ANSI/AWWA C210a-2020)

This standard describes the material and application of shop-applied and field-applied liquid-epoxy coatings and linings used in the water-supply industry for steel water pipe, special sections, welded joints, connections, and fittings installed underground or underwater, under normal construction conditions.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson; polson@awwa.org

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C221-202x, Fabricated Steel Mechanical Slip-Type Expansion Joints (revision of ANSI/AWWA C221-2018)

This standard describes fabricated steel mechanical slip-type expansion joints having packing chambers for use on pipe with plain, flanged, grooved, or shouldered ends in nominal pipe sizes 3 in. (75 mm) and larger.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson; polson@awwa.org

Comment Deadline: January 8, 2024

HPS (ASC N43) (Health Physics Society)

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

New Standard

BSR N43.5-202x, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV (new standard)

This standard provides guidelines specific to the radiation safety aspects of the design of non-medical x-ray equipment operating at energies below 1 MeV for radiographic and radioscopic applications, wherein the x-rays are generated by electronic means. It does not apply to x-ray equipment used for industrial gauging applications. The objective is to achieve safe design of nonmedical x-ray equipment by establishing requirements for some components that are critical for radiation safety. These include controls, panel displays, warning indicators, tube assembly, and shielding. Other considerations, which are generally the responsibility of the manufacturer, are also included. These include instructions, provisions for means of connecting interlocks, and labeling.

Single copy price: \$35.00

Obtain an electronic copy from: awride-graney@burkinc.com

Send comments (copy psa@ansi.org) to: Amy Wride-Graney <awride-graney@burkinc.com>

LIA (ASC Z136) (Laser Institute of America)

12001 Research Parkway, Suite 210, Orlando, FL 32828 | jmccormack@lia.org, www.laserinstitute.org

Revision

BSR Z136.7-202x, Testing and Labeling of Laser Protective Equipment (revision of ANSI Z136.7-2020)

This standard addresses emerging laser technology protective requirements, e.g., broad-spectrum laser sources, ultrafast lasers systems, new high-power systems not previously handled; including testing methodology definitions, refinement of testing protocols and data supporting known damage thresholds as a function of laser source parameters and material solutions adopted. The scope of this standard is to provide recommendations for the testing requirements and labeling of protective equipment (devices) designed for use with lasers and laser systems that operate at wavelengths between 180 nm and 1 mm.

Single copy price: \$30.00 (Electronic Copy Only)

Obtain an electronic copy from: <https://www.lia.org/store/product/bsrz1367-202x-cdv1-public-review-1-november-2023>

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

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR C12.6-1987 (S202x), Phase-Shifting Devices Used In Metering, Marking and Arrangement of Terminals (stabilized maintenance of ANSI C12.6-1987 (R2016))

Maintenance of an existing standard with no changes.

Single copy price: \$247.00

Obtain an electronic copy from: www.nema.org

Send comments (copy psa@ansi.org) to: Paul Orr <Pau_orr@nema.org>

Comment Deadline: January 8, 2024

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

New Standard

BSR C136.59-202X, Co-Location Multi-Use Lighting Poles (new standard)

This standard includes nomenclature, dimensional data, performance criteria, and some interchangeable feature for multi-use lighting poles. These poles shall be designed with separate raceways when required by the end-user. They shall also have mounting provisions for antennas, radios, meters, cut-off switches, and any other equipment specified by the enduser. The intent of this standard is to establish the mechanical and dimensional requirements for the poles, which can be produced from steel, aluminum, reinforced composite (fiberglass) or concrete.

Single copy price: \$58.00

Obtain an electronic copy from: david.richmond@nema.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.21-202X, Roadway and Area Lighting - Vertical Tenons Used with Post Top Mounted Luminaires (revision of ANSI C136.21-2014 (R2019))

This standard covers the attachment features of vertical tenons on pole tops or brackets used in roadway and area lighting that permit the interchangeability of post-top-mounted luminaires.

Single copy price: \$58.00

Obtain an electronic copy from: david.richmond@nema.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

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

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

Single copy price: \$49.00

Obtain an electronic copy from: david.richmond@nema.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR C136.12-2014 (S202x), Roadway and Area Lighting - Mercury Lamps - Guide for Selection (stabilized maintenance of ANSI C136.12-2014 (R2019))

This standard covers the selection of mercury vapor lamps recommended for use in roadway and area lighting equipment.

Single copy price: \$58.00

Obtain an electronic copy from: david.richmond@nema.org

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

Comment Deadline: January 8, 2024

NEMA (National Electrical Manufacturers Association)

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

Revision

BSR/NEMA MG 00001-2024-202x, Motors and Generators (revision and redesignation of ANSI NEMA MG 1-2022)

This standard provides practical information concerning performance, safety, test, construction, and manufacture of alternating-current and direct-current motors and generators within the product scopes defined in the applicable section or sections of this publication. Although some definite purpose motors and generators are included, the standards do not apply to machines such as generators and traction motors for railroads, motors for mining locomotives, arc-welding generators, automotive accessory and toy motors and generators, machines mounted on airborne craft, etc.

Single copy price: \$784.00

Obtain an electronic copy from: <https://www.techstreet.com/nema>

Send comments (copy psa@ansi.org) to: Michael Leibowitz <mike.leibowitz@nema.org>

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i63r7), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

This standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems include greywater treatment systems; residential wastewater treatment systems; and commercial treatment systems.

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/71900/350i63r7%20et%20al%20-%20JC%20Memo%20%26%20ballot.pdf>

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 419-202x (i12r1), Public Drinking Water Equipment Performance - Filtration (revision of ANSI/NSF 419-2018)

This standard is designed to describe the performance evaluation (PE) test procedure for the product-specific challenge testing (PSCT) of full-scale UF and MF membrane modules, bag filters, and cartridge filters for the removal of microbial contaminants.

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/71766/419i12r1%20-%20JC%20Memo%20%26%20ballot.pdf>

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

Comment Deadline: January 8, 2024

NSF (NSF International)

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

Revision

BSR/NSF 437-202x (i3r7), Glossary of Wastewater Technology Terminology (revision of ANSI/NSF 437)

Definitions covered by this standard consist of terminology related to wastewater technology, including terms describing equipment, materials, design, construction, and performance testing. This standard includes common definitions of terms used throughout NSF Wastewater Technology standards.

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/71900/350i63r7%20et%20al%20-%20JC%20Memo%20%26%20ballot.pdf>

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 | gknott@opei.org, www.opei.org

Reaffirmation

BSR/OPEI B175.4-2018 (R202x), Standard for Outdoor Power Equipment - Portable Handheld, Internal Combustion Engine-Powered Cut-Off Machines - Safety and Environmental Requirements (reaffirmation and redesignation of ANSI/OPEI B175.4-2018)

This standard applies to portable, handheld, internal combustion engine-powered machines, which use a rotating cut-off (abrasive) wheel that is center-mounted on and driven by a spindle shaft, and designed for cutting construction materials such as asphalt, concrete, stone, and metal. The requirements in this standard apply to machines using up to 16 in (400 mm) nominal cut-off wheels. If the machine is designed for larger than 16 in (400 mm) nominal cut-off wheels, the requirements of this standard shall be considered. The requirements listed may apply to machines designed for larger cut-off wheels. Cut-off wheel design and safety specifications are not included in this standard.

Single copy price: Free

Obtain an electronic copy from: gknott@opei.org

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

Comment Deadline: January 8, 2024

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | dweinbaum@resna.org, www.resna.org

New Standard

BSR/RESNA AT-1 Section 3-202x, RESNA Standard for Assistive Technology for Air Travel - Volume 1 Section 3 - Handling Procedures for Mobility Devices to be Stowed and Transported in Commercial Aircraft (new standard) This standard specifies requirements and test methods for efficient and safe handling and storage of many different types of assistive technologies (AT) for passengers with mobility impairments on aircraft, and includes the creation of the following: a checklist of the dimensional, performance and instructional information to be physically and/or electronically associated with the AT; procedures and training for the handling of AT; labeling and design specifications for AT suitable for transport in commercial aircraft. It will also specify requirements for the disclosure of the test results. These test methods may be used to verify manufacturers' claims that a product exceeds the minimum requirements of this standard. The Volume is expected to have four sections: Section 1, Terminology; Section 2, Information and Instructions for Preparing Mobility Devices to be Stowed and Transported in Commercial Aircraft; Section 3, Handling Procedures for Mobility Devices to be Stowed and Transported in Commercial Aircraft; Section 4, Labelling and Design Requirements for Mobility Devices Designed for Stowage and Transport in Commercial Aircraft.

Single copy price: \$265.00

Obtain an electronic copy from: technicalstandards@resna.org

Send comments (copy psa@ansi.org) to: Doug Weinbaum, technicalstandards@resna.org

SJI (Steel Joist Institute)

140 W. Evans Street, Suite 203, Florence, SC 29501 | kcharles@steeljoist.org, www.steeljoist.org

Reaffirmation

BSR/SJI 100-2020 (R202x), The 45th Edition K-Series, LH-Series, DLH Series, Joist Girders, Standard Specification, Load Tables and Weight Tables for Steel Joists and Joist Girders (reaffirmation of ANSI/SJI 100-2020)

The Steel Joist Institute is reaffirming SJI 100-2020 for an additional period. There will be edits to this standard in the future. But for now, we want to reaffirm our current standard.

Single copy price: \$7.00

Obtain an electronic copy from: www.steeljoist.org

Send comments (copy psa@ansi.org) to: Kenneth Charles <kcharles@steeljoist.org>

SJI (Steel Joist Institute)

140 W. Evans Street, Suite 203, Florence, SC 29501 | kcharles@steeljoist.org, www.steeljoist.org

Reaffirmation

BSR/SJI 200-2015 (R202x), The 2nd Edition CJ-Series Composite Steel Joists, Standard Specification, Weight Tables and Bridging Tables (reaffirmation of ANSI/SJI 200-2015)

The Steel Joist Institute is reaffirming SJI 200-2015 for an additional period. There will be edits to this standard in the future. But for now, we want to reaffirm our current standard.

Single copy price: \$7.00

Obtain an electronic copy from: www.steeljoist.org

Send comments (copy psa@ansi.org) to: Kenneth Charles <kcharles@steeljoist.org>

Comment Deadline: January 8, 2024

TIA (Telecommunications Industry Association)

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

Reaffirmation

BSR/TIA 455-160-B-2020 (R202x), IEC-60793-1-50, Optical Fibres - Part 1-50: Measurement Methods and Test Procedures - Damp Heat (Steady State) (reaffirm a national adoption ANSI/TIA 455-160-B-2020)

This document is a reaffirmation of the previously adopted IEC document IEC-60793-1-50, published as ANSI/TIA 455-160-B-2020.

Single copy price: \$77.00

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

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | sabrina.khreibtov@ul.org, <https://ulse.org/>

Revision

BSR/UL 514C-202X, Standard for Safety for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2020)

(1) Addition of requirements for Deck Boxes and Rooftop Deck Boxes.

Single copy price: Free

Obtain an electronic copy from: csds.ul.com/home/proposalsdefault.aspx

Send comments (copy psa@ansi.org) to: Sabrina Khreibtov, sabrina.khreibtov@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 962-202x, Standard for Household and Commercial Furnishings (revision of ANSI/UL 962-2022)

This proposal covers revisions concerning the following: (1) Clarifying Horizontal Surface Loading Test requirements; (2) Allowing cords to be used for internal wiring interconnection in rooms and booths; (3) Construction, Entrapment Test, and instruction requirements for storage bed units; (4) Loading Test requirements for video display mounts to reflect consistent testing; (5) Requirements for tamper-resistant receptacles; (6) Alternative means to evaluate electromechanical and electronic controls; (7) Adding exception to Ceiling Support Test requirements; (8) Flammability requirements for non-electrical parts; (9) Adding exception to required PTC endurance cycles; (10) Clarifying entrapment prevention requirements for usage area III furnishings; (11) Requirements for receptacles or coverplates with integral shelves; (12) Adding UL 62368-1 to Annex A; (13) Test requirements for unsecured glass worksurfaces; (14) Requirements for furnishings where the user may contact water; (15) Clarifying required Properties for Glass Components; (16) Replacing references to UL standards that have been withdrawn; (17) Updating electrical ratings; (18) Updating definitions of “booth” and “room-in-room”; (19) Adding a new annex to specify requirements specific to chemical disinfecting equipment; (20) Adding a new annex to specify requirements specific to UV radiation disinfecting Equipment; (21) Adjusting stopping distance in 61.2.1.

Single copy price: Free

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

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

Comment Deadline: January 8, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 970-202x, Standard for Retail Fixtures and Merchandise Displays (revision of ANSI/UL 970-2023)

This proposal covers: (1) Addition of a new annex to specify requirements specific to UV radiation disinfecting equipment; (2) Addition of a new annex to specify requirements specific to chemical disinfecting equipment; (3) Revision to UL 4200A reference in 3.2.1.1.

Single copy price: Free

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

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

Comment Deadline: January 23, 2024

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME VVUQ 20.1-202x, Supplement to V&V20-2009 - Multivariate Metric for Validation (new standard)

This document describes a technique that is similar to that for the pointwise validation metric described in ASME V&V20-2009.

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>

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B1.20.7-1991 (R202x), Hose Coupling Screw Threads (Inch) (reaffirmation of ANSI/ASME B1.20.7-1991 (R2018))

The purpose of this document is to provide standards for application to the threaded parts of hose couplings, valves, nozzles, and all other fittings used in direct connection with hose intended for domestic, industrial, and general service in nominal sizes of 1/2, 5/8, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2, and 4 in.

Single copy price: \$43.00

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

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

Comment Deadline: January 23, 2024

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 A112.19.1/CSA B45.2-202x, Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures (revision of ANSI/ASME A112.19.1/CSA B45.2-2018)

This Standard covers enamelled cast iron and enamelled steel plumbing fixtures, and specifies requirements for materials, construction, performance, testing, and markings. This Standard covers the following plumbing fixtures: (a) bathtubs; (b) drinking fountains and water coolers; (c) lavatories; (d) shower bases; and (e) sinks: i) bar sinks; ii) clinic sinks; iii) kitchen sinks; iv) laboratory sinks; v) laundry sinks; vi) service sinks; and vii) utility sinks." Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

PRCA (Professional Ropes Course Association)

6260 East Riverside Boulevard #104, Rockford, IL 61114 | climb1guide@gmail.com, www.prcainfo.org

Reaffirmation

BSR/PRCA 1.0-3-2014 (R202x), Safety Standards for Challenge Courses, Adventure Parks, Canopy Tours and Zip Lines: Design, Performance, Inspection, Installation, Equipment, Operations, Training and Certifications (reaffirmation of ANSI/PRCA 1.0-3-2014)

This is a reaffirmation of the existing unchanged ANSI/PRCA 1.0-3 ANS safety standards for ropes challenge courses, canopy tours, zip line and zip line tours, and aerial adventure parks. Providing standards for design, performance, inspection, installation, equipment, operations, training and certifications.

Single copy price: \$125.00 (non-member); \$80.00 (member)

Order from: <https://prcainfo.org/membership-account/membership-checkout/?level=5>

Send comments (copy psa@ansi.org) to: info@prcainfo.org - with copy to climb1guide@gmail.com

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2034-202x, Standard for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2023)

This proposal is a result of a UL 2034 Task Group formed in order to review the required markings for carbon monoxide alarms. As input, the task group used the proposal created by the STP 217 task group on markings.

Single copy price: Free

Order from: csds.ul.com

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.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

New Technical Report

INCITS/ISO TR 23244:2020 [2023], Blockchain and distributed ledger technologies - Privacy and personally identifiable information protection considerations, a Technical Report prepared by INCITS and registered with ANSI (technical report)

Provides an overview of privacy and personally identifiable information (PII) protection as applied to blockchain and distributed ledger technologies (DLT) systems.

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

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

New Technical Report

INCITS/ISO TR 23249:2023 [2023], Blockchain and distributed ledger technologies - Overview of existing DLT systems for identity management, a Technical Report prepared by INCITS and registered with ANSI (technical report)

Provides an overview of existing DLT systems for identity management, i.e. the mechanisms by which one or more entities can create, receive, modify, use and revoke a set of identity attributes. This document covers the following topics: managing identity for individuals, organizations, things (IoT & objects), functions and processes and other entities including within and across DLT systems; description of the actors and their interactions and common interfaces; architectures; existing relevant standards and frameworks.

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

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

New Technical Report

INCITS/ISO TS 23258:2021 [2023], Blockchain and distributed ledger technologies - Taxonomy and Ontology, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Specifies a taxonomy and an ontology for blockchain and distributed ledger technologies (DLT). The taxonomy includes a taxonomy of concepts, a taxonomy of DLT systems and a taxonomy of application domains, purposes and economy activity sections for use cases. The ontology includes classes and attributes as well as relations between concepts. The audience includes but is not limited to academics, architects, customers, users, tool developers, regulators, auditors and standards development organizations.

Technical Reports Registered with ANSI

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

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

New Technical Report

INCITS/ISO TS 23635:2022 [2023], Blockchain and distributed ledger technologies - Guidelines for governance, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Provides guiding principles and a framework for the governance of DLT systems. The document also provides guidance on the fulfillment of governance, including risk and regulatory contexts, that supports the effective, efficient, and acceptable use of DLT systems.

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

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

New Technical Report

INCITS/ISO TR 23644:2023 [2023], Blockchain and distributed ledger technologies (DLTs) - Overview of trust anchors for DLT-based identity management, a Technical Report prepared by INCITS and registered with ANSI (technical report)

Describes concepts and considerations on the use of trust anchors for systems leveraging blockchain and distributed ledger technologies (DLTs) for identity management, i.e., the mechanism by which one or more entities can create, be given, modify, use, and revoke a set of identity attributes.

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

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

New Technical Report

INCITS/ISO/IEC TS 23465-2:2023 [2023], Card and security devices for personal identification - Programming interface for security devices - Part 2: API definition, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Describes the following aspects of the programming interface between the client application dealing with the security device and the proxy, based on the framework outlined in ISO/IEC 23465-1: the generic API definition; state and security models for use cases; class and API definitions of functionality, defined in other standards, e.g., the ISO/IEC 7816 series.

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

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

New Technical Report

INCITS/ISO/IEC TS 23465-3:2023 [2023], Card and security devices for personal identification - Programming interface for security devices - Part 3: Proxy, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Describes the software (SW) layer called proxy. It supports the programming interface to security devices and the application using this API to access the application related security devices defined in ISO/IEC TS 23465-2. This document is applicable to: proxy requirements, functionality and layers; resolving mechanisms for API functions; data structures related to security device handling; translation for security device communication; serialization/de-serialization syntax and methods.

Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

Technical Reports Registered with ANSI

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

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

New Technical Report

INCITS/ISO/IEC TR 20322:2023 [2023], Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and elderly people, a Technical Report prepared by INCITS and registered with ANSI (technical report)

Builds upon the information provided in ISO/IEC TR 24714-1, ISO/IEC TR 29194 and ISO/IEC 29138-1 in order to highlight in a more detailed way the medical, physical and cognitive aspects that are specific for the use of biometrics by elderly persons.

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

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

New Technical Report

INCITS/ISO/IEC TS 22604:2023 [2023], Information technology - Biometric recognition of subjects in motion in access-related systems, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Establishes requirements for development of biometric solutions for verification and identification processes for secure access without physical contact with any device at any time. The solution acquires the biometric characteristics that are captured while the data subjects are in motion to verify or identify the individuals requiring access, and thus controlling access using contactless biometrics.

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

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

New Technical Report

INCITS/ISO/IEC TS 27560:2023 [2023], Privacy technologies - Consent record information structure, a Technical Specification prepared by INCITS and registered with ANSI (technical report)

Specifies an interoperable, open and extensible information structure for recording PII principals' consent to PII processing. This document provides requirements and recommendations on the use of consent receipts and consent records associated with a PII principal's PII processing consent, aiming to support the: provision of a record of the consent to the PII principal; exchange of consent information between information systems; management of the life cycle of the recorded consent.

Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

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:

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

BSR X9.100-181-202x, TIFF Image Format for Image Exchange (revision of ANSI X9.100-181-2014 (R2021))

Send comments (copy psa@ansi.org) to: Ambria Calloway <Ambria.Calloway@X9.org>

Project Withdrawn

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

BSR/IEEE C37.12.1-202x, Recommended Practice for Instruction Manual Content of High-Voltage Circuit Breakers (Over 1000 Volts) (new standard)

Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

BSR/UL 1638-2023 (R202x), Standard for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (reaffirmation of ANSI/UL 1638-2023)

Send comments (copy psa@ansi.org) to: Anna Roessing-Zewe <anna.roessing-zewe@ul.org>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NSF (NSF International)

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

ANSI/NSF/ISO 14020-2001, Environmental Labels and Declarations - General Principles (identical national adoption of ISO 14020:2000)

Send comments (copy psa@ansi.org) to: Jessica Evans <jevans@nsf.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NSF (NSF International)

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

ANSI/NSF/ISO 14021-2001, Environmental Labels and Declarations - Self-Declared Environmental Claims (Type II Environmental Labelling) (identical national adoption of ISO 14021:1999)

Send comments (copy psa@ansi.org) to: Jessica Evans <jevans@nsf.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NSF (NSF International)

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

ANSI/NSF/ISO 14024-2001, Environmental Labels and Declarations - Type I Environmental Labelling - Principles and Procedures (identical national adoption of ISO 14024:1999)

Send comments (copy psa@ansi.org) to: Jessica Evans <jevans@nsf.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.

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | Karenvan@HL7.org, www.hl7.org

ANSI/HL7 V3 RXMEDCMET, R1-2014 (R2019), HL7 Version 3 Standard: Pharmacy; Medication CMET, Release 1 (reaffirmation of ANSI/HL7 V3 RXMEDCMET, R1-2014)

Send comments (copy psa@ansi.org) to: Karen Van Hentenryck <Karenvan@HL7.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.

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 1161-2023 (SI), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1161 (SI)-2014) Final Action Date: 11/16/2023 | *Revision*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME TDP-1-2023, Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Fossil-Fueled Plants (new standard) Final Action Date: 11/20/2023 | *New Standard*

ANSI/ASME B73.2-2023, Specification for Vertical In-Line Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.2-2016) Final Action Date: 11/14/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E2227-2023, Guide for Forensic Examination of Non-Reactive Dyes in Textile Fibers by Thin-Layer Chromatography (new standard) Final Action Date: 5/1/2023 | *New Standard*

ANSI/ASTM E814-2023a, Test Method for Fire Tests of Penetration Firestop Systems (revision of ANSI/ASTM E814-2023) Final Action Date: 10/3/2023 | *Revision*

ANSI/ASTM E2927-2023, Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Comparisons (revision of ANSI/ASTM E2927-2016) Final Action Date: 11/15/2023 | *Revision*

ATIS (Alliance for Telecommunications Industry Solutions)

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

ANSI/ATIS 1000066-2023, Emergency Telecommunications Service (ETS) Network Element Requirements for IMS-based Next Generation Network (NGN) Phase 2 (revision of ANSI/ATIS 1000066-2016 (R2021)) Final Action Date: 11/16/2023 | *Revision*

AWC (American Wood Council)

222 Catoctin Circle, Suite 201, Leesburg, VA 20175 | bdouglas@awc.org, www.awc.org

ANSI/AWC WFCM-2024, Wood Frame Construction Manual for One- and Two-Family Dwellings (revision and redesignation of ANSI/AWC WFCM-2018) Final Action Date: 11/17/2023 | *Revision*

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

ANSI/ASSE 1019-2023, Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance (revision of ANSI/ASSE 1019-2011 (R2016)) Final Action Date: 11/14/2023 | *Revision*

ANSI/ASSE 1022-2023, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (revision of ANSI/ASSE 1022-2020) Final Action Date: 11/14/2023 | *Revision*

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

ANSI/ASSE 1057-2023, Performance Requirements for Freeze Resistant Sanitary Yard Hydrants with Backflow Protection (revision of ANSI/ASSE 1057-2012) Final Action Date: 11/14/2023 | *Revision*

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, <https://www.>

ANSI/IAPMO Z601-2018 (R2023), Scale Reduction Devices (reaffirmation of ANSI/IAPMO Z601-2018) Final Action Date: 11/16/2023 | *Reaffirmation*

NSF (NSF International)

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

ANSI/NSF 14-2023 (i132r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022) Final Action Date: 11/8/2023 | *Revision*

ANSI/NSF 350-2023 (i82r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022) Final Action Date: 11/10/2023 | *Revision*

ANSI/NSF 437-2023 (i4r1), Glossary of Wastewater Technology Terminology (revision of ANSI/NSF 437-2022) Final Action Date: 11/17/2023 | *Revision*

ANSI/NSF/CAN 61-2023 (i169r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022) Final Action Date: 11/11/2023 | *Revision*

ANSI/NSF/CAN 61-2023 (i170r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022) Final Action Date: 11/14/2023 | *Revision*

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

ANSI A108.M-2023, General Requirements: Materials and Standards for the Installation of Tile (new standard) Final Action Date: 11/16/2023 | *New Standard*

ANSI A108.T-2023, Terminology of Tile Assemblies (new standard) Final Action Date: 11/16/2023 | *New Standard*

ANSI A108.01-2023, General Requirements: Structures, Substrates, and Preparation for Tile (revision of ANSI A108.01-2021a) Final Action Date: 11/16/2023 | *Revision*

ANSI A118.1-2023, Specifications for Dry-Set Cement Mortar (revision of ANSI A118.1-2019) Final Action Date: 11/16/2023 | *Revision*

ANSI A118.4-2023, Specifications for Modified Dry-Set Cement Mortar (revision of ANSI A118.4-2019) Final Action Date: 11/16/2023 | *Revision*

ANSI A118.15-2023, Specifications for Improved Modified Dry-Set Cement Mortar (revision of ANSI A118.15-2019) Final Action Date: 11/16/2023 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 61730-2-2023a, Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing (national adoption of IEC 61730-2 with modifications and revision of ANSI/UL 61730-2-2023) Final Action Date: 11/10/2023 | *National Adoption*

ULSE (UL Standards & Engagement)

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

ANSI/UL 8802-2023, Standard for Safety for Ultraviolet (UV) Germicidal Equipment and Systems (new standard) Final Action Date: 11/16/2023 | *New Standard*

ANSI/UL 8803-2023, Standard for Safety for Portable UV Germicidal Equipment with Uncontained UV Sources (new standard) Final Action Date: 11/17/2023 | *New Standard*

ANSI/UL 1776-2023, Standard for Safety for High-Pressure Cleaning Machines (revision of ANSI/UL 1776-2022) Final Action Date: 10/19/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

ULSE - UL Standards & Engagement

UL 155, Standard for Tests for Fire Resistance of Vault and File Room Doors

UL Standards & Engagement's goal is to have no interest category comprise more than one-third of the TC membership balance. To improve the current balance for Technical Committee 0072, UL Standards & Engagement is looking for participants in the following interest categories: AHJ, Commercial/Industrial User, Consumer, Government, Producer, Supply Chain, and Testing & Standards.

If you are interested in applying for membership or are aware of potential candidates, please complete an application at csds.ul.com or forward this link on to potential candidates.

Questions: Anna.Roessing-zewe@ul.org or 224-714-0699

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI ST24-202x, General-purpose ethylene oxide sterilizers with automated process control and ethylene oxide sterilant sources intended for use in health care facilities (revision of ANSI/AAMI ST24-1999 (R2018))

ASA (ASC S1) (Acoustical Society of America)

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

BSR S1.4/Part 2 Amd.1/IEC 61672-2 Amd.1 (R202x), Electroacoustics - Sound Level Meters - Part 2: Pattern Evaluation Tests - Amendment 1 (a nationally adopted international standard amendment) (reaffirm a national adoption ANSI/ASA S1.4-2014/Part 2/Amd.1-2019/IEC 61672-2-2013/Amd.1-2017)

AWS (American Welding Society)

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

BSR/AWS A5.1/A5.1M-202x, Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding (new standard)

AWS (American Welding Society)

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

BSR/AWS A5.3/A5.3M-202x, Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.3/A5.3M-2023)

AWS (American Welding Society)

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

BSR/AWS A5.10/A5.10M (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273:2015 with modifications and revision of ANSI/AWS A5.10/A5.10M (ISO 18273-2023 MOD))

AWS (American Welding Society)

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

BSR/AWS A5.12M/A5.12 (ISO 6848-202x MOD), Specification for Tungsten and Oxide Dispersed Electrodes for Arc Welding and Cutting (national adoption of ISO 6848:2015 with modifications and revision of ANSI/AWS A5.12M/A5.12 (ISO 6848-2023 MOD))

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

BSR/FCI 4-1-202x, Pressure Regulator Hydrostatics Shell Test Method (revision of ANSI/FCI 4-1-2014 (R2019))

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

BSR/FCI 85-1-202x, Standard for Production and Performance Testing of Steam Traps (revision of ANSI/FCI 85-1-2019)

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

BSR/FCI 97-1-202x, Standard for Production Testing of Secondary Pressure Drainers (revision of ANSI/FCI 97-1-2019)

ISA (International Society of Automation)

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

BSR/ISA 75.05.01-202x, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2019)

ISA (International Society of Automation)

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

BSR/ISA 75.11.01-202x, Inherent Flow Characteristic and Rangeability of Control Valves (new standard)

ISA (International Society of Automation)

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

BSR/ISA 75.13.01-202x, Method of Evaluating the Performance of Positioners with Analog Input Signals and Pneumatic Output (new standard)

LIA (ASC Z136) (Laser Institute of America)

12001 Research Parkway, Suite 210, Orlando, FL 32828 | jmccormack@lia.org, www.laserinstitute.org

BSR Z136.7-202x, Testing and Labeling of Laser Protective Equipment (revision of ANSI Z136.7-2020)

NEMA (ASC C37) (National Electrical Manufacturers Association)

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

BSR C37.54-2024A, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2023)

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA MG 00001-2024-202x, Motors and Generators (revision and redesignation of ANSI NEMA MG 1-2022)

NSF (NSF International)

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

BSR/NSF 12-202x (i17r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2023)

NSF (NSF International)

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

BSR/NSF 12-202x (i18r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2023)

NSF (NSF International)

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

BSR/NSF 58-202x (i109r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

NSF (NSF International)

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

BSR/NSF 350-202x (i63r7), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

NSF (NSF International)

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

BSR/NSF 419-202x (i12r1), Public Drinking Water Equipment Performance - Filtration (revision of ANSI/NSF 419-2018)

NSF (NSF International)

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

BSR/NSF 437-202x (i3r7), Glossary of Wastewater Technology Terminology (revision of ANSI/NSF 437)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i206r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2023)

PRCA (Professional Ropes Course Association)

6260 East Riverside Boulevard #104, Rockford, IL 61114 | climb1guide@gmail.com, www.prcainfo.org

BSR/PRCA 1.0-3-2014 (R202x), Safety Standards for Challenge Courses, Adventure Parks, Canopy Tours and Zip Lines: Design, Performance, Inspection, Installation, Equipment, Operations, Training and Certifications (reaffirmation of ANSI/PRCA 1.0-3-2014)

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | dweinbaum@resna.org, www.resna.org

BSR/RESNA AT-1 Section 3-202x, RESNA Standard for Assistive Technology for Air Travel - Volume 1 Section 3 - Handling Procedures for Mobility Devices to be Stowed and Transported in Commercial Aircraft (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-160-B-2020 (R202x), IEC-60793-1-50, Optical Fibres - Part 1-50: Measurement Methods and Test Procedures - Damp Heat (Steady State) (reaffirm a national adoption ANSI/TIA 455-160-B-2020)

ULSE (UL Standards & Engagement)

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

BSR/UL 219-202x, Standard for Lined Fire Hose for Interior Standpipes (revision of ANSI/UL 219-2018)

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Scope

SDI (Canvass) - Steel Deck Institute

Comment on Scope Deadline: December 25, 2023

SDI, the **Steel Deck Institute**, an ANSI Member and Accredited Standards Developer, has submitted the following updated scope of ASD accreditation on file with ANSI:

The Steel Deck Institute (SDI) was incorporated in 1939 as a not for profit trade organization representing manufacturers of steel decks and products used in conjunction with steel deck. The SDI has provided uniform industry standards for the engineering, design, manufacture and field usage of steel roof decks, composite floor decks, and form decks. As developments in steel products, steel manufacturing, steel design, and building methods have occurred, the SDI has continually revised and upgraded its standards as necessary. Continuing SDI functions include preparation, review, and distribution of literature, referral of inquiries to appropriate sources, coordination of research and testing, and liaison with other construction industry associations on matters of common interest. The Institute has been a major source of information and standards to the design community for their use in the preparation of project specifications and plans for the use of steel deck in construction. As an ANSI Accredited Standards Developer, SDI submits specifications and commentary for composite steel floor deck, non-composite steel floor deck (form deck), and steel roof deck as standards, and for structural members cold-formed to shape from carbon or low alloy steels.

NOTE: The addition of "structural members cold-formed to shape from carbon or low alloy steels" is intended to accommodate the temporary responsibility for standards transferred from the American Iron and Steel Institute (AISI) to the SDI in December 2023. At such time as these AISI Standards are transferred to a new permanent standards developer, requirements related to this added scope will be removed.

Please forward any comments on the revised scope by December 25, 2023 to: Thomas Sputo, PhD, PE, SE, Steel Deck Institute (SDI) | 1731 NW 6th Street, Suite D, Gainesville, FL 32609 | (352) 378-0448, tsputo50@gmail.com (please copy jthomps@ansi.org)

American National Standards Under Continuous Maintenance

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

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

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org
Thomas Kim
tkim@aami.org

AHRI

Air-Conditioning, Heating, and Refrigeration
Institute
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201
www.ahrinet.org
Karl Best
kbest@ahrinet.org

APA

APA - The Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
www.apawood.org
Borjen Yeh
borjen.yeh@apawood.org

ASA (ASC S1)

Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
www.acousticalsociety.org
Raegan Ripley
standards@acousticalsociety.org

ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org
Carmen King
cking@ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue, 6th Floor
New York, NY 10016
www.asme.org
Maria Acevedo
ansibox@asme.org

ASME

American Society of Mechanical Engineers
Two Park Avenue, M/S 6-2B
New York, NY 10016
www.asme.org
Terrell Henry
ansibox@asme.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
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Laura Klineburger
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Lauren Daly
accreditation@astm.org

ATIS

Alliance for Telecommunications Industry
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1200 G Street NW, Suite 500
Washington, DC 20005
www.atis.org
Anna Karditzas
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AWC

American Wood Council
222 Catoctin Circle, Suite 201
Leesburg, VA 20175
www.awc.org
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bdouglas@awc.org

AWS

American Welding Society
8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org
Kevin Bulger
kbulger@aws.org
Mario Diaz
mdiaz@aws.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org

Paul Olson
polson@awwa.org

FCI

Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
www.fluidcontrolsinstitute.org

Leslie Schraff
fcifluidcontrolsinstitute.org

HPS (ASC N13)

Health Physics Society
950 Herndon Parkway, Suite 450
Herndon, VA 20170
www.hps.org
Amy Wride-Graney
awride-graney@burkinc.com

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
www.asse-plumbing.org
Terry Burger
terry.burger@asse-plumbing.org

IAPMO (Z)

International Association of Plumbing &
Mechanical Officials
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
<https://www.iapmostandards.org>
Terry Burger
terry.burger@asse-plumbing.org

IEEE

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org
Suzanne Merten
s.merten@ieee.org

ISA (Organization)

International Society of Automation
3252 S. Miami Blvd, Suite 102
Durham, NC 27703
www.isa.org
Lynne Franke
lfranke@isa.org

ITI (INCITS)

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

Deborah Spittle
comments@standards.incits.org

LIA (ASC Z136)

Laser Institute of America
12001 Research Parkway, Suite 210
Orlando, FL 32828
www.laserinstitute.org

John McCormack
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NEMA

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
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Michael Leibowitz
mike.leibowitz@nema.org

NEMA (ASC C12)

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

Paul Orr
Pau_orr@nema.org

NEMA (ASC C136)

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

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NEMA (ASC C37)

National Electrical Manufacturers
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1300 North 17th Street, Suite 1752
Rosslyn, VA 22209
www.nema.org

Brian Marchionini
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NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
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Allan Rose
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Jason Snider
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Monica Leslie
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Monica Milla
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OPEI

Outdoor Power Equipment Institute
1605 King Street
Alexandria, VA 22314
www.opei.org

Greg Knott
gknott@opei.org

PRCA

Professional Ropes Course Association
6260 East Riverside Boulevard #104
Rockford, IL 61114
www.prcainfo.org

Michael Barker
climb1guide@gmail.com

RESNA

Rehabilitation Engineering and Assistive
Technology Society of North America
2001 K Street, NW, 3rd Floor North
Washington, DC 20006
www.resna.org

Doug Weinbaum
dweinbaum@resna.org

RVIA

Recreational Vehicle Industry Association
2465 J-17 Centreville Road, #801
Herndon, VA 20171
www.rvia.org

Tyler Reamer
treamer@rvia.org

SJI

Steel Joist Institute
140 W. Evans Street, Suite 203
Florence, SC 29501
www.steeljoist.org

Kenneth Charles
kcharles@steeljoist.org

TCNA (ASC A108)

Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
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Katelyn Simpson
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TIA

Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
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ULSE

UL Standards & Engagement
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ULSE

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ULSE

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333 Pflugsten Road
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https://ulse.org/

Susan Malohn
Susan.P.Malohn@ul.org



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

Building construction machinery and equipment (TC 195)

ISO/DIS 11886, Drilling and foundation machinery - Soil or soil and rock mixture drilling and foundation machines - Commercial specifications - 2/4/2024, \$165.00

Doors and windows (TC 162)

ISO/DIS 16316, Windows, doors and curtain walling - Impacted by windborne debris in windstorms - Test method and classification - 2/5/2024, \$125.00

Hydrogen energy technologies (TC 197)

ISO/DIS 14687, Hydrogen fuel quality - Product specification - 2/5/2024, \$93.00

ISO/DIS 19881, Gaseous hydrogen - Land vehicle fuel containers - 2/5/2024, \$155.00

Mechanical vibration and shock (TC 108)

ISO 16063-21:2003/DAMd 2, - Amendment 2: Methods for the calibration of vibration and shock transducers - Part 21: Vibration calibration by comparison to a reference transducer - Amendment 2 - 2/3/2024, \$33.00

Optics and optical instruments (TC 172)

ISO/DIS 10110-6, Optics and photonics - Preparation of drawings for optical elements and systems - Part 6: Centring and tilt tolerances - 2/4/2024, \$93.00

Road vehicles (TC 22)

ISO/DIS 21498-2, Electrically propelled road vehicles - Electrical specifications and tests for voltage class B systems and components - Part 2: Electrical tests for components - 2/3/2024, \$119.00

ISO/DIS 15118-10, Road vehicles - Vehicle to grid communication interface - Part 10: Physical layer and data link layer requirements for single-pair Ethernet - 2/3/2024, \$71.00

Steel (TC 17)

ISO/DIS 4991, Steel castings for pressure purposes - 2/5/2024, \$82.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 21720, XLIFF (XML Localisation interchange file format) - 2/3/2024, \$203.00

Textiles (TC 38)

ISO/DIS 7211-2, Textiles - Methods for analysis of woven fabrics construction - Part 2: Determination of number of threads per unit length - 2/8/2024, \$40.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 6531, Machinery for forestry - Portable chain-saws - Vocabulary - 2/4/2024, \$58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 7816-3:2006/DAMd 1, - Amendment 1: Identification cards - Integrated circuit cards - Part 3: Cards with contacts - Electrical interface and transmission protocols - Amendment 1: Additional voltage classes - 2/3/2024, \$33.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/964/CDV, IEC 63522-10 ED1: Electrical relays - Tests and Measurements - Part 10: Heating, 02/09/2024

94/965/CDV, IEC 63522-16 ED1: Electrical relays - Tests and Measurements - Part 16: Soldering, 02/09/2024

94/967/CDV, IEC 63522-56 ED1: Electrical relays - Tests and Measurements - Part 56: Ball Pressure Test, 02/09/2024

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

100/4045/CDV, IEC 62514 ED2: Multimedia gateway in home networks - Guidelines, 02/09/2024

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

46/966/FDIS, IEC 60966-2-1 ED4: Radio frequency and coaxial cable assemblies - Part 2-1: Sectional specification for flexible coaxial cable assemblies, 12/29/2023

46/967/FDIS, IEC 60966-2-2 ED3: Radio frequency and coaxial cable assemblies - Part 2-2: Blank detail specification for flexible coaxial cable assemblies, 12/29/2023

46/964/FDIS, IEC 60966-4 ED3: Radio frequency and coaxial cable assemblies - Part 4: Sectional specification for semi-rigid coaxial cable assemblies, 12/29/2023

46/965/FDIS, IEC 60966-4-1 ED3: Radio frequency and coaxial cable assemblies - Part 4-1: Blank detail specification for semi-rigid coaxial cable assemblies, 12/29/2023

46F/656/CD, IEC 63185 ED2: Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method, 02/09/2024

Capacitors and resistors for electronic equipment (TC 40)

40/3102/FDIS, IEC 60939-3 ED2: Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate, 12/29/2023

Electric traction equipment (TC 9)

9/3032/NP, PNW 9-3032 ED1: Electronic railway equipment - Train communication network (TCN) - Part 2-7: Wireless Train Backbone (WLTB), 02/09/2024

Electrical installations of buildings (TC 64)

64/2649/CD, IEC 60364-7-717 ED3: Low-voltage electrical installations - Part 7-717: Requirements for special installations or locations - Mobile or transportable units, 03/08/2024

Electromagnetic compatibility (TC 77)

77B/878/CD, IEC 61000-4-2 ED3: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test, 02/09/2024

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

48B/3078/CD, IEC 61076-2-111 ED2: Connectors for electrical and electronic equipment - Product requirements - Part 2-111: Circular connectors - Detail specification for power connectors with M12 screw-locking, 02/09/2024

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

104/1026/CDV, IEC 60721-2-2 ED3: Classification of environmental conditions - Part 2-2: Environmental conditions appearing in nature - Precipitation and wind, 02/09/2024

104/1025/CDV, IEC 60721-2-5 ED2: Classification of environmental conditions - Part 2: Environmental conditions appearing in nature - Section 5: Dust, sand, salt mist, 02/09/2024

Fibre optics (TC 86)

86A/2394(F)/FDIS, IEC 60794-1-311 ED1: Optical fibre cables - Part 1-311: Generic specification - Basic optical cable test procedures - Cable element test methods - Tensile strength and elongation test for cable elements, Method G11A, 12/15/2023

86A/2392(F)/FDIS, IEC 60794-2-23 ED1: Optical fibre cables - Part 2-23: Indoor cables - Detail specification for multi-fibre cables for use in MPO connector terminated cable assemblies, 12/15/2023

86A/2391(F)/FDIS, IEC 60794-2-24 ED1: Optical fibre cables - Part 2-24: Indoor cables - Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies, 12/15/2023

86B/4828/CD, IEC 61300-2-2 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-2: Tests - Mating durability, 02/09/2024

86B/4829/NP, PNW 86B-4829 ED1: Fibre optic interconnecting devices and passive components - fiber optic connector optical interfaces - Part 3-81: Connection parameters of dispersion unshifted physically contacting fibres - Angled polyphenylene sulphide rectangular ferrules with one fibre row 12 fibre wide for reference connection applications, 02/09/2024

Flat Panel Display Devices (TC 110)

110/1589/CD, IEC 62629-62-12 ED1: 3D displays - Part 62-12: Measurement methods for virtual-image type - Image Quality, 01/12/2024

110/1588/CD, IEC 62715-6-42 ED1: Flexible display devices - Part 6-42: Flattening force measurement methods, 01/12/2024

110/1590/CD, IEC 63145-201-10 ED1: Eyewear display - Part 201-10: Measurement methods for VR type - Optical properties of a singlet lens used for eyepieces, 01/12/2024

Insulators (TC 36)

36/592/CD, IEC TS 63414 ED1: Artificial pollution tests on high-voltage insulators made of hydrophobicity transfer materials to be used on a.c. and d.c. systems, 02/09/2024

Lamps and related equipment (TC 34)

34/1142/FDIS, IEC 63403-1 ED1: Horticultural lighting - LED packages for horticultural lighting - Part 1: Specification sheet, 12/29/2023

34/1141/FDIS, IEC 63403-2 ED1: Horticultural lighting - LED packages for horticultural lighting - Part 2: Binning, 12/29/2023

34A/2379/NP, PNW 34A-2379 ED1: Fully Flexible Organic Light Emitting Diode (OLED) Panels for General Lighting - Performance Requirements, 02/09/2024

Lightning protection (TC 81)

81/754/CD, IEC 62561-2 ED3: Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes, 02/09/2024

Measuring relays and protection equipment (TC 95)

95/546/CD, IEC 60255-167 ED1: Measuring relays and protection equipment - Part 167: Functional requirements for directional overcurrent protection, 02/09/2024

Power capacitors (TC 33)

33/696(F)/FDIS, IEC 60143-4 ED2: Series capacitors for power systems - Part 4: Thyristor controlled series capacitors, 12/01/2023

33/698/CD, IEC 60358-1 ED2: Coupling capacitors and capacitor dividers - Part 1: General rules, 02/09/2024

Printed Electronics (TC 119)

119/471/CD, IEC 62899-202-11 ED1 Printed electronics - Part 202-11: Materials - Conductive ink - Measurement method of electrical resistance uniformity for large area printed conductive layers, 02/09/2024

Rotating machinery (TC 2)

2/2168/CD, IEC 60034-1 ED15: Rotating electrical machines - Part 1: Rating and performance, 02/09/2024

Safety of household and similar electrical appliances (TC 61)

61/7071(F)/FDIS, IEC 60335-2-27 ED7: Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, 12/01/2023

Solar photovoltaic energy systems (TC 82)

82/2200/DTS, IEC TS 62788-8-1 ED1: Measurement procedures for electrically conductive adhesive (ECA) used in crystalline silicon photovoltaic modules - Part 8-1: Measurement of material properties, 01/12/2024

82/2202/NP, PNW TS 82-2202 ED1: Classification of n-type crystalline silicon photovoltaic cells with EL detected black arc, 01/12/2024

Superconductivity (TC 90)

90/512/CD, IEC 61788-28 ED1: Mechanical properties measurement - Tensile test of practical REBCO and BSCCO composite superconductors at cryogenic temperatures, 02/09/2024

(CISPR)

CIS/H/491/CD, CISPR TR 16-4-4 ED3: Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-4: The CISPR model for the calculation of limits for the protection of radio services, 02/09/2024

CIS/H/490/CD, CISPR TR 16-4-6 ED1: Specification for radio disturbance and immunity Measuring apparatus and methods - Part 4-6: Uncertainties, statistics and limit modelling - Statistics on radio frequency interference (RFI) and verification by measurements in the field, 02/09/2024

Tools for live working (TC 78)

78/1449/CD, IEC 60903 ED4: Live working - Electrical insulating gloves, 01/12/2024



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

Additive manufacturing (TC 261)

[ISO/ASTM 52908:2023](#), Additive manufacturing of metals - Finished part properties - Post-processing, inspection and testing of parts produced by powder bed fusion, \$157.00

Agricultural food products (TC 34)

[ISO 15213-2:2023](#), Microbiology of the food chain - Horizontal method for the detection and enumeration of Clostridium spp. - Part 2: Enumeration of Clostridium perfringens by colony-count technique, \$210.00

Corrosion of metals and alloys (TC 156)

[ISO 7539-12:2023](#), Corrosion of metals and alloys - Stress corrosion testing - Part 12: Requirements for atmospheric stress corrosion cracking testing, \$77.00

Fine ceramics (TC 206)

[ISO 5618-1:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for GaN crystal surface defects - Part 1: Classification of defects, \$77.00

Geosynthetics (TC 221)

[ISO 9862:2023](#), Geosynthetics - Sampling and preparation of test specimens, \$51.00

Medical devices for injections (TC 84)

[ISO 10555-1:2023](#), Intravascular catheters - Sterile and single-use catheters - Part 1: General requirements, \$210.00

[ISO 10555-4:2023](#), Intravascular catheters - Sterile and single-use catheters - Part 4: Balloon dilatation catheters, \$116.00

Nuclear energy (TC 85)

[ISO 6980-1:2023](#), Nuclear energy - Reference beta-particle radiation - Part 1: Methods of production, \$157.00

Other

[ISO 20137:2023](#), Leather - Chemical tests - Guidelines for testing critical chemicals in leather, \$116.00

Refrigeration (TC 86)

[ISO 16494-1:2022/Amd 1:2023](#), - Amendment 1: Heat recovery ventilators and energy recovery ventilators - Method of test for performance - Part 1: Development of metrics for evaluation of energy related performance - Amendment 1, \$22.00

Robots and robotic devices (TC 299)

[IEC 80601-2-77:2019/Amd 1:2023](#), \$22.00

Security (TC 292)

[ISO 22388:2023](#), Security and resilience - Authenticity, integrity and trust for products and documents - Guidelines for securing physical documents, \$210.00

Small tools (TC 29)

[ISO 8405:2023](#), Tools for moulding - Ejector sleeves with cylindrical head - Basic series for general purposes, \$51.00

Steel (TC 17)

[ISO 683-6:2023](#), Heat-treatable steels, alloy steels and free-cutting steels - Part 6: Hot-rolled steels for quenched and tempered springs, \$183.00

[ISO 683-7:2023](#), Heat-treatable steels, alloy steels and free-cutting steels - Part 7: Bright products of non-alloy and alloy steels, \$237.00

Textiles (TC 38)

[ISO 9073-18:2023](#), Nonwovens - Test methods - Part 18: Determination of tensile strength and elongation at break using the grab tensile test, \$77.00

Water re-use (TC 282)

[ISO 20670:2023](#), Water reuse - Vocabulary, \$116.00

Welding and allied processes (TC 44)

[ISO 18279:2023](#), Brazing - Imperfections in brazed joints, \$116.00

ISO Technical Specifications

Fine Bubble Technology (TC 281)

[ISO/TS 11899-1:2023](#), Fine bubble technology - Transportation and dispensing systems for agro- and aqua-cultural applications - Part 1: Ultrafine bubble concentration loss in ultrafine bubble water passing through long-distance plastic pipes, \$116.00

Graphic technology (TC 130)

[ISO/TS 10128:2023](#), Graphic technology - Methods of adjustment of the colour reproduction of a printing system to match a set of characterization data, \$116.00

Mechanical testing of metals (TC 164)

[ISO/TS 19096:2023](#), Metallic materials - Instrumented indentation test for hardness and materials parameters - Evaluation of stress change using indentation force differences, \$157.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 1539-1:2023](#), Programming languages - Fortran - Part 1: Base language, \$263.00

[ISO/IEC 25010:2023](#), Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Product quality model, \$157.00

[ISO/IEC 23092-6:2023](#), Information technology - Genomic information representation - Part 6: Coding of genomic annotations, \$263.00

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

[IEC 61969-3 Ed. 4.0 b:2023](#), Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects, \$145.00

[S+ IEC 61969-3 Ed. 4.0 en:2023 \(Redline version\)](#), Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects, \$190.00

Fibre optics (TC 86)

[IEC 61753-081-02 Ed. 1.0 b:2023](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments, \$145.00

[IEC 61753-081-03 Ed. 1.0 b:2023](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 081-03: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP - Outdoor protected environment, \$145.00

[IEC 61753-081-06 Ed. 1.0 b:2023](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 081-06: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP+ - Extended outdoor protected environment, \$145.00

Maritime navigation and radiocommunication equipment and systems (TC 80)

[IEC 61097-12 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and required test results, \$25.00

[IEC 61097-12 Ed. 1.2 b:2023](#), Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and required test results, \$405.00

Wind turbine generator systems (TC 88)

[IEC 61400-50-3 Ed. 1.0 b Cor.1:2023](#), Corrigendum 1 - Wind energy generation systems - Part 50-3: Use of nacelle-mounted lidars for wind measurements, \$0.00

IEC Technical Specifications**Industrial-process measurement and control (TC 65)**

[IEC/TS 63444 Ed. 1.0 en:2023](#), Industrial networks - Ethernet-APL port profile specification, \$278.00

International Electrotechnical Commission (IEC)

Call for Members (USNC)

USNC TAG to IEC/TC 96

The USNC Technical Advisory Group (TAG) to IEC/TC 96 would like to grow its membership. Individuals who are interested in joining the USNC TAG to IEC/TC 96 as members are invited to contact Betty Barro at bbarro@ansi.org as soon as possible.

Scope: TC 96 - Transformers, reactors, power supply units, and combinations thereof

Standardization in the field of safety, EMC, EMF, energy efficiency and environmental aspects of transformers, reactors, power supply units, and combinations thereof. The standardization does not cover transformers, reactors and power supply units intended to be a part of distribution networks (covered by TC 14).

TC 96 has group safety function in accordance with IEC Guide 104 for transformers other than those intended to supply distribution networks, in particular transformers and power supply units intended to allow the application of protective measures against electric shock as defined by TC 64, with no limitation of rated output power, but in certain cases including limitation of voltage.

The general limitations for voltages are:

- rated supply voltage not exceeding 1 000 V a.c.;
- rated output voltage not exceeding 1 000 V a.c. or 1 500 V ripple free d.c.; however, internal voltages may exceed 1 000 V a.c. or 1 500 V ripple free d.c. For high-voltage applications, other than distribution networks (covered by TC 14), the rated output voltage can exceed 1 000 V a.c. or 1 500 V ripple free d.c. but the no load output voltage shall not exceed 15 000 V a.c. or 15 000 V d.c.

The general limitations for the rated output are:

- The maximum rated output depends on the type of transformer or linear power supply unit does in most cases not exceed 25 kVA for single-phase products and 40 kVA for three phase products;
- the maximum rated output does not exceed 1 kVA for both single-phase and three phase Switch Mode Power Supplies;
- the general limitations for the rated core power are 25 kVA for single-phase auto transformers and 40 kVA for three phase auto transformers;
- the general limitations for the rated power are 50 kvar for single-phase reactors and 80 kvar for three phase reactors. For special transformers, reactors and power supply units and combinations thereof there are no limitation of rated output, rated core power and rated power.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

SC 65E - Devices and integration in enterprise systems

Response Deadline: December 1, 2023

The International Society of Automation (ISA) is relinquishing its role as the IEC Secretariat for IEC SC 65E. The USNC is looking for a new organization to take on this IEC Secretariat position. If we cannot find a new IEC Secretariat for SC 65E, the USNC will have to withdraw from this international leadership role.

If any organizations are interested in the position of IEC Secretariat for SC 65E, they are invited to contact Adelana Gladstein at agladstein@ansi.org by Friday, 1 December 2023.

Please see the scope for **SC 65E** below:

SC 65E - Devices and integration in enterprise systems

To prepare international standards specifying:

(1) Device integration with industrial automation systems. The models developed in these standards address device properties, classification, selection, configuration, commissioning, monitoring and basic diagnostics.

(2) Industrial automation systems integration with enterprise systems. This includes transactions between business and manufacturing activities which may be jointly developed with ISO TC 184.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 22/SC 34 – Road vehicles - Propulsion, powertrain and powertrain fluids

Reply Deadline: November 28, 2023

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 22/SC 34 – *Road vehicles - Propulsion, powertrain and powertrain fluids*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 22/SC 34 to the SAE International. SAE International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 22/SC 34 operates under the following scope:

Systems and components for combustion based propulsion (such as; coolant, engines, filters, piston pins/rings, powertrain, testing methods, testing procedures, measurement testing apparatus, fuel injection equipment, as well as characteristics and additive fluids definitions (e.g. (AUS32), except lubricants, brake fluids, and fuels.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 22/SC 34. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 22/SC 34 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by November 28, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 241 – Road traffic safety management systems

Response Deadline: November 24, 2023

ANSI has been informed that the SAE International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 241, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 241 operates under the following scope:

Standardization in the field of RTS, Road traffic safety, management standards, needs, to be effective, to consist of:

- *a requirement standard (which ISO 39001 will be)*
- *RTS specific auditing requirements in third party certification, and*
- *implementation and guidance documents.*

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

Establishment of ISO Subcommittee

ISO/TC 8/SC 14 – Maritime GHG Reduction

Commenting Deadline: December 4, 2023

ISO/TC 8 – *Ships and marine technology* has created a new ISO Subcommittee on *Maritime GHG Reduction* (ISO/TC 8/SC 14). The Secretariat has been assigned to the United States (ANSI).

ISO/TC 8/SC 14 operates under the following scope:

Standardization of ship GHG assessment and documentation procedures; bunkering and/or charging operations associated, and on-dock power generation.

Note 1: ISO/TC 8/SC 14 serves as a focal point within TC 8 regarding the reduction of GHG from maritime shipping and works in cooperation with existing subcommittees to help provide guidance to the maritime industry and regulators regarding applicable ISO standards developed by TC 8 and other TCs.

Note 2: Upon creation of ISO/TC 8/SC 14, all work items under ISO/TC 8/WG 8 will be transferred to SC 14 and the working group will be disbanded.

U.S. Coast Guard has requested that ANSI delegate the administration of the ISO Secretariat to the U.S. Coast Guard. Organizations interested in commenting on the proposed delegation of the ISO Secretariat to the U.S. Coast Guard should submit comments to Steve Cornish (scornish@ansi.org) by close of business on December 4, 2023.

U.S. Coast Guard has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Establishment of ISO Technical Committee

ISO/TC 346 – Mechanical Energy Storage Technology

A new Technical Committee, ISO/TC 346 – *Mechanical Energy Storage Technology*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 346 operates under the following scope:

Standardization in the field of mechanical energy storage (MES) technology including terminology, components, functions, design, safety, testing, construction, and maintenance of mechanical energy storage devices. It focuses on the mechanical and physical aspects of mechanical energy storage technology and equipment.

Excluded: air compressors, air compression systems, and compressed air handling technologies covered by ISO/TC 118; apparatus and measurement of vacuum equipment covered by ISO/TC 112; flywheel module design and testing on aircraft covered by ISO/TC 20; elements of spherical plain bearings covered by ISO/TC 4; pump equipment covered by ISO/TC 115; pumped storage covered by IEC/TC 4.

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

ISO Proposal for a New Field of ISO Technical Activity

Cultural Heritage Conservation

Comment Deadline: December 15, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Cultural Heritage Conservation, with the following scope statement:

Standardization in the field of terminology, technologies, materials and equipment for monitoring, evaluation, preservation and restoration of cultural heritage.

Excluded: ISO/TC 36 Cinematography, ISO/TC 42 Photography, ISO/TC 46 Information and documentation

Note: Limited to tangible cultural heritage. If an overlap or the potential for overlap with other TC/SC is identified, coordination with related TC/SC should be sought by contacting or working with working groups.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, December 15, 2023**.

Meeting Notices (International)

ANSI Accredited U.S. Technical Advisory Group

U.S. TAG to ISO/TC 292 – Security and Resilience (NASPO International)

Meeting Date: November 28, 2023 1:00 PM - 2:00 PM Central Time

In preparation for the ISO/TC 292 “Security and Resilience” Plenary Meeting the U.S. TAG to ISO/TC 292 has announced a virtual meeting on November 28 from 1:00 PM to 2:00 PM Central time.

For more information or to participate, please contact the U.S. TAG Administrator, Mr. Michael O’Neil, mikeo@naspo.info.

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:

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

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

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

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

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

Comment guidance:

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

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

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

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

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

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

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

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

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



BSR/ASHRAE Standard 133-2015R

Public Review Draft

Method of Testing Direct Evaporative Air Coolers

**First Public Review (November 2023)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners GA 30092

Standard 133-2015R

2nd Independent Substantive Change (ISC) Public Review Draft

Method of Testing Direct Evaporative Air Coolers

Note: In this document, changes to the first 133-2015R Publication Public Review Draft are indicated in the text by underlining (for additions) and strikethrough (for deletions).

Revise Section 3 as shown below.

3 DEFINITIONS AND ACRONYMS

appurtenance device electric input power: the electric input power to drive accessories — not including fans, pumps, or rotary devices — that are supplied as a standard component of the production model of the direct evaporative air cooler (DEC). Appurtenance device electric input power includes water metering devices, conductivity controllers, timers, dump cycle pumps, solenoids, and transformers providing low voltage to control mechanisms and freeze protection devices.

[...]

fan electric input power: the electric input power ~~input~~ required to drive the fan and any drive train elements that are part of the fan.

[...]

pump or rotary device electric input power: the electric input power to drive the pump or rotary device used to distribute water in the DEC.

[...]

Revise Section 4 as shown below.

4 SYMBOLS AND SUBSCRIPTS

4.1 Symbols

[...]

W_E total of all the electric input power for devices completely within the air upstream of the media section except the fan, W (W)

W_L total of all the electric input power for devices completely within the air downstream of the media section except the fan, W (W)

WF_E electric input power for fan if completely within the air upstream of the media section, W (W)

WF_L electric input power for fan if completely within the air downstream of the media section, W (W)

W_{ex} total of all the electric input power for devices outside and thermally isolated from the airstream of the DEC, W (W)

W_{total} total DEC electric input power, W (W)

[...]

Revise Section 5 as shown below.

5. REQUIREMENTS

[...]

TABLE 1: Stability Criteria for Data Recording for Packaged DEC's

Measurement or Calculation Result	Values Calculated from Data Samples		Stability Criteria
	Mean	Std. Dev.	
Cooling capacity	\bar{q}	σ_q	$S_{qstd} \leq 0.05$
Total <u>Electric</u> Input Power	\overline{W}_{total}	$\sigma_{W_{total}}$	$S_{W_{total}} \leq 0.05$

[...]

Revise Section 8 as shown below.

8. TEST DATA TO BE RECORDED

[...]

8.3 Test Data. Test data for each determination shall be recorded at each point of operation that satisfies the stability criteria. Readings shall be made simultaneously.

- DEC inlet dry-bulb temperature t_{d0} , °C (°F)
- DEC inlet wet-bulb temperature t_{w0} , °C (°F)
- Ambient barometric pressure p_b , Pa (in. Hg)
- DEC downstream dry-bulb temperature t_{d2} , °C (°F)
- DEC downstream wet-bulb temperature t_{w2} , °C (°F)
- Average fan speed for each fan N , rad/s (rpm)
- The following electric input powers, ~~power inputs~~, if applicable: $WF_E, WF_L, W_{ex}, W_E, W_L$ W (W)
- Static pressure P_{s0} , Pa (in. of water)
- Static pressure P_{s1} , Pa (in. of water)
- Nozzle inlet airflow density ρ , kg/m³ (lb_m/ft³)
- All information required by ASHRAE Standard 41.2 to calculate the DEC volumetric airflow rate Q , m³/s (cfm) and the standard volumetric airflow rate Q_{std} , m³/s (scfm)
- Water conductivity, (μS)
- If a component DEC is not supplied with a pump or rotary device, record water flow to the DEC Q_w , m³/s (ft³/s)
- The names of test personnel shall be listed.

Revise Section 9 as shown below.

9. CALCULATIONS

[...]

9.3 DEC Electric Input Power ~~Input~~ at Test Conditions.

The total electric input power ~~input~~ to the test unit is the sum of fan and pump or rotary device power and appurtenance device power.

$$W_{total} = WF_E + WF_L + W_{ex} + W_E + W_L \quad \text{W (W)} \quad \text{SI/IP} \quad (9-1)$$

[...]

9.11 Fan Electric Input Power at Standard Conditions

Calculate the fan electric input power at standard conditions using Equation 9-25.

$$(W_E + W_{F_L})_{std} = (W_{F_E} + W_{F_L}) \times \left(\frac{\rho}{\rho_{std}}\right)^3 \quad \text{SI/IP} \quad (9-25)$$

9.12 Total Fan Electric Input Power at Standard Conditions

Use Equation 9-26 to calculate the total fan electric input power at standard conditions.

$$W_{std} = (W_E + W_{F_L})_{std} + W_{ex} + W_E + W_L \quad \text{SI/IP} \quad (9-26)$$

[...]

Revise Section 10 as shown below.

10 TEST REPORT

[...]

10.2 Performance Curves. The following DEC test results shall be presented as performance curves:

- DEC standard volumetric airflow rate, Q_{std} , SI or IP
- DEC standard total electric input power ~~input~~, W_{std} , SI or IP
- DEC standard static pressure differential, ΔP_{std} , SI or IP
- DEC media saturation effectiveness, ϵ , dimensionless
- DEC standard sensible cooling capacity, q_{std} , SI or IP
- DEC overall performance, COP dimensionless. (EER, Btu/(W-h))

[...]

Table 3
Test Duties¹

Test Duty Number	Number and Type of Operation	Phases	Test Voltage Line-to-Line (Volts rms)	Closing at First Major Peak, (Amperes, Peak)	Interrupting Current	Asymmetry, (Percent)	Reference
Load Current Switching Tests (Conditional test see 3.8)					Percent of Rated Continuous Current		
LS1	(One) O or CO	3	E		3 to 7	Random	3.8
LS2	(One) O or CO	3	E		95 to 100	Random	3.8
LS1a	(Three) O or CO	1	0.87E		3 to 7	Random	3.8
LS2a	(Three) O or CO	1	0.87E		95 to 100	Random	3.8
Short-Time Current and Peak Current Withstand Tests (see 3.9)							
STC	Carry Current	1 or 3	Any convenient level	F x I (see note 3)			3.9
Short-Circuit Current Tests (see 3.10)					Amperes rms		
SC1	O – t _r –	3	E		I (O)	< 20	3.10
	CO – t' _r –	3	E	F x I	I to 1.1*I (CO) I to 1.1*I (CO)	Random	
	CO	3	E			Random	
SC1a	C – t' _r –	3	E	F x I			3.10
	C	3	E				
SC1b	O – t _r –	3	E		I (O)	< 20	3.10
	O – t' _r –	3	E		I to 1.1*I (CO)	Random	
	O	3	E		I to 1.1*I (CO)	Random	
SC2	(Three) O	3	E		0.44 to 0.66 I		3.10
SC3 ²	(One) CO	3	E	F x I	I		3.10
SC3a ²	(One) C	3	E	F x I			3.10
SC3b ²	(One) O	3	E		I		3.10

¹ Symbols used in this table are in accordance with the indicated clauses of IEEE C37.09.

² SC3 must follow SC1 and SC2. If the conformance testing is combined with type testing in accordance with IEEE C37.09, SC3 may be satisfied by completion of any one of the three required T100a test duties performed as a CO.

³ Peak withstand. The breaker is in the closed position for this test.

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NSF/ANSI Standard
for Food Equipment –

Automatic Ice Making Equipment

•

Normative Annex 1

Procedures for the preparation of test media

•

N-1.8 Culture of *P. fluorescens*

•

N-1.8.2 Challenge culture preparation

d) ~~Serial dilutions of *P. fluorescens* suspension (10⁻⁴ to 10⁻⁸) shall be made using sterile PBS. Serial dilutions (10⁻⁴ to 10⁻⁸) of *P. fluorescens* suspension shall be made using sterile PBS. 10⁻⁶ to 10⁻⁸ dilutions shall be plated in triplicate on TSA PFA plates. Test sample shall be inverted and incubated at 26 ± 1 °C (79 ± 2 °F) for 24 48 h. Remaining *P. fluorescens* suspension shall be refrigerated at 3 ± 2 °C (37.4 ± 3 °F).~~ Serial dilutions (10⁻⁴ to 10⁻⁸) of *P. fluorescens* suspension shall be made using sterile PBS. 10⁻⁶ to 10⁻⁸ dilutions shall be plated in triplicate on TSA PFA plates. Test sample shall be inverted and incubated at 26 ± 1 °C (79 ± 2 °F) for 24 48 h. Remaining *P. fluorescens* suspension shall be refrigerated at 3 ± 2 °C (37.4 ± 3 °F).

•

N-1.8.4 Negative control

a) For the negative control samples, a 100 mL sample shall be aseptically processed using the membrane filter technique. A mixed cellulose ester membrane with a pore size of 0.45 µm shall be utilized. Test sample shall be plated on PFA, inverted, and incubated at 26 ± 1 °C (79 ± 2 °F) for 24 48 h.

•

N-1.8.4 Positive challenge culture control

a) For the positive challenge control samples, serial dilutions of the samples (10⁰ to 10⁻⁴) shall be made using SBDW. 10⁻⁴ and 10⁻⁵ dilutions shall be processed aseptically using the membrane filter technique. Test sample shall be plated on PFA, inverted, and incubated at 26 ± 1 °C (79 ± 2 °F) for 24 48 h.

Rationale: These revisions harmonize subsections within section 1.8 and consistency between inoculum preparation and final testing.

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NSF/ANSI 58:

Reverse Osmosis Drinking Water Treatment Systems

⋮

4.4 Materials evaluation

Complete formulation information on any material not certified as specifically compliant with the sections of the U.S. Code of Federal Regulations, Title 21, listed in Table 4.1-4.4, shall be reviewed to determine whether the material presents a health effects concern in contact with drinking water and to assess the material's potential for contributing contaminants to the drinking water. As a minimum level of information for those materials requiring submission of formulation information, the complete chemical identity and proportion by weight (in some cases approximate weights or proportions may suffice) and ingredient sources of supply shall be provided.

⋮

Table 4.4

Materials listed in U.S. Code of Federal Regulations, Title 21, not requiring formulation review

Sections	Material
172.880 178.3700	petrolatum
172.888 178.3720	synthetic petroleum wax
172.878	white mineral oil
172.884	odorless white petroleum hydrocarbons
172.886 178.3710	petroleum wax
173.25	ion exchange resins – provided that the sub-section stating the composition of the resin is specified
173.65	divinyl benzene copolymer
178.3620	mineral oil
part 184	direct food substances affirmed as generally recognized as safe – when used in accordance with any conditions of use specified for the substance
solvents	Solvents that may be considered for solvent bonding without review are limited to acetone, methyl ethyl ketone, cyclohexanone, and tetrahydrofuran. Mixtures such as solvent cements shall be evaluated against NSF/ANSI/CAN 61 or shall be subject to formulation review. Solvents that have been reprocessed or recycled shall not be used. NOTE — Solvent bonding is not recommended, as solvents soak into synthetic materials and leach back out into water at relatively high levels for long periods of time. In addition, solvents can contaminate the work area and can be adsorbed by carbon in the work area.

⋮

Rationale: Corrects a table reference.

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5 Structural performance

5.1 Structural integrity

⋮

5.1.3 Structural integrity test methods

⋮

5.1.3.4 Cycle test

The following procedure shall be used for the cyclic testing:

- a) A water temperature of 20 ± 3 °C (68 ± 5 °F) shall be used throughout the test. The test water shall be adjusted to a temperature at which condensation will not form on the surface of the test unit.
- b) The inlet of the test system shall be connected to the test apparatus as shown in Figure 1. The system shall be in conformance with its normal state of use, with the option of plugging drain lines.
- c) The test system shall be filled with water and flushed to purge air from the system. The system outlet shall be closed, and the control valve placed in the service position. All parts of the unit, including inlet and outlet fittings, that may be subject to line pressure in normal operation shall be pressurized.
- d) The counter shall be set to zero, or its initial reading recorded, and pressure cycling shall be initiated. The pressure rise shall be ≥ 1 s and the pressure in the test unit shall return to ≤ 14 kPa (2 psig) before the initiation of another cycle.
- e) The pressure shall be cycled as specified in Table 5.1. The system shall be inspected periodically through the end of the test period to check whether the system is watertight.

Rationale: Corrects omission of “<” and makes consistent with the same section in NSF/ANSI 42 and 44.

⋮

6 Minimum performance requirements

⋮

6.3 Reject water connections

If provided, reject water connections shall be designed to comply with applicable plumbing codes, and shall be designed and constructed for connection to the drain system through a vertical air gap, as defined in ~~Section 3.3 NSF/ANSI 330~~, of two pipe diameters or 25 mm (1 in), whichever is larger. If an alternate drain system air gap device, such as an air-gap-type faucet, is supplied with the system, the alternate system air gap device shall be tested in accordance with ~~Section 6.40-6.9~~. The critical level of the alternate air gap device shall be clearly marked on the faucet.

⋮

6.9 Alternate air gap device test method

The device shall demonstrate no evidence of back siphonage while submerged to the critical level and subjected to an inlet vacuum of 85 kPa (25 in of mercury).

⋮

Rationale: Updates two references.

⋮

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7 Elective performance claims – Test methods

7.1 Chemical reduction claims

•
•

7.1.3 Inorganic chemical reduction claims

•
•

7.1.3.7 Sampling

~~Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, the storage tank shall be emptied after each collection at 4 h and 12 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h. A test contaminant sample shall be collected and analyzed from the tank. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4 h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.~~

7.1.3.7.1 Systems with storage tank and automatic shutoff

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, the storage tank shall be emptied after each collection at 4 h and 12 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.

Rationale: Removes redundant wording from Section 7.1.3.7.

•
•

7.1.4 Nitrate / nitrite reduction claims

•
•

7.1.4.5 Sampling

7.1.4.5.1 Systems with storage tank and automatic shutoff

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, the storage tank shall be emptied after each collection at 4 h and 12 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.

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7.1.4.5.12 Countertop systems with storage tanks or reservoirs

⋮

7.1.4.5.23 Systems without storage tanks

⋮

7.1.4.5.34 Systems with no shutoff provisions

Rationale: Adds subheading relevant to the sampling procedure.

⋮

7.2 Mechanical filtration claims

⋮

7.2.2 Cyst reduction claims

⋮

7.2.2.6 Sampling

~~Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, the storage tank shall be emptied after each collection at 4 h and 8 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h from which a test contaminant sample shall be collected and analyzed. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4 h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.~~

7.2.2.6.1 Systems without storage tanks

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, samples shall be collected at 4 h and 8 h. On Days 2 to 4 of testing, samples shall be collected at the beginning of the day and after an elapsed time of 6 h and 12 h and analyzed for TDS. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed. A final sample shall be collected and analyzed on Day 7 for the first 4-h period.

7.2.2.6.2 Systems with storage tank and automatic shutoff

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1 of testing, the storage tank shall be emptied after each collection at 4 h and 12 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 and 12 h. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.

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7.2.2.6.3 Systems with no shutoff provisions

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for test contaminants. On Day 1 of testing, samples shall be collected at 4 h intervals including 4 h, 8 h, 12 h, and 16 h. The storage tank shall be emptied after each collection and the product water volume shall be recorded in liters (gallons) at each 4 h sample point. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.

7.2.2.6.4 Countertop systems with storage tanks or reservoirs

Product water samples shall be collected from the first water out of the system in the amount of 250 mL or total volume needed for analysis, whichever is greater. Influent and product samples shall be analyzed for all test contaminants. On Day 1, the storage tank shall be emptied after each collection at 4 h and 8 h. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank after each collection at the beginning of the day and after an elapsed time of 6 h and 12 h. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period. After the last sample for test contaminants is collected, the storage tank shall be emptied.

Rationale: Removes redundant wording from Section 7.2.2.6 and adds sampling procedures for countertop systems with storage tanks or reservoirs. The procedures are the same as for the existing Section 7.1.5.7.

•

7.3 Data transfer protocol (DTP)

•

7.3.2 Procedure

•

7.3.2.1 Protocol limitations (membrane supplier)

•

A representative membrane element with the largest amount of active membrane area shall be tested for TDS reduction and ~~daily production rate-direct potable reuse~~ (DPR) in a surrogate system (shutoff valve and storage tank) as specified in Section 6.8. The membrane element with the largest active membrane area that is made with a specific manufacturing process as defined above shall be tested for TDS reduction and DPR in a surrogate system (shutoff valve and storage tank) as specified in Section 6.8. The surrogate system shall also be tested for chemical and mechanical reduction performance in accordance with Section 7. The chemical and mechanical reduction claims may be transferred to a qualifying candidate system with less active membrane area in accordance with Section 7.3.1.

•

Rationale: Corrects the definition of DPR.

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NSF/ANSI/CAN Standard

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

-
-
-

28 Floatation or sensory deprivation systems and related equipment

-
-
-

28.11 Air quality for enclosed all systems

~~The manufacturer shall provide the disinfection type, humidity, and water temperature for normal operating conditions to perform this test of internal air quality within the enclosed system.~~

~~Ventilation within the enclosed system shall be tested to meet or exceed a rate of five volumetric air changes per hour. All systems regardless of disinfection method, shall be tested for carbon dioxide to ensure it does not exceed 1,500 ppm.~~

28.11.1 Non-enclosed float chambers shall have instructions requiring installation and operation with an HVAC ventilation system design that provides sufficient air exchange to meet or exceed five volumetric turn overs of the room in which it is installed every hour.

28.11.2 Enclosed type float pods or chambers shall have passive or active air exchange. If the ventilation exchange rate meets or exceeds five volumetric turnovers per hour, no further consideration is needed. The volume determination for this requirement is based upon the enclosed air volume (not float solution volume) inside the habitable space of the chamber or pod.

28.11.3 If an enclosed-type float pod or chamber provides less than five but more than one volumetric air exchanges per hour, measurement of carbon dioxide concentration at the lowest practicable elevation above the float solution within the habitable space of the chamber or pod shall be recorded during a float session of the manufacturer's maximum recommended duration during which the float pod or chamber is populated with the maximum number of allowable occupants. The maximum observed carbon dioxide concentration shall not exceed 1,500 ppm above ambient (or background) level carbon dioxide level present in the facility in which the sensory deprivation device is operated and tested.

2024 BSR/RVIA UPA-1 Code Change Proposals – WCD Ballot Results

***** NOTE:** The Canvass was balloted on the Working Committee's recommended Action on 9/29/23. The Canvass unanimously voted to approve all recommended actions taken by the Working Committee, and the modified versions of the submitted proposals that were approved can be seen below. RVIA is seeking public comments on the results of the WCD Letter Ballot to provide further opportunity for Public Review. Forward all comments to treamer@rvia.org within 30 days of the appearance of this document in ANSI Standards Action. ***

UPA-1, Log #1 [3-4.1 / Section (A) General / Item #2]

PROPOSAL: (2) ~~Towables~~ Travel Trailers – gross square footage of each model. Calculated gross square footage for fifth wheels not required if overall length and width are provided. Note: In calculating the gross square footage, measurements shall be taken on the exterior. Gross square footage includes all siding, corner trims, moldings, storage spaces, areas enclosed by windows but not the roof overhangs.

WORKING COMMITTEE ACTION: Accept this version with select modifications from log #2.

WORKING COMMITTEE STATEMENT: Clarifies the requirement of trailer gross square footage does not apply to fifth wheel trailers in accordance with HUD FINAL RULE of November 18, 2018 Manufactured Home Procedural and Enforcement Regulations; Clarifying the Exemption for Manufacture of Recreational Vehicles.

UPA-1, Log #2 [3-4.1 / Section A, Item #2]

PROPOSAL: 3-4.1 (A) General

(2) (Towables – except for fifth wheel trailers ~~gross trailer area~~ square footage, of each model. Calculated gross square footage for ~~towables~~ other than fifth wheel trailer models not required if overall length and width are provided. Note: In calculating the gross square footage, measurements shall be taken on the exterior.

Gross square footage includes all siding, corner trims, moldings, storage spaces, areas enclosed by windows but not the roof overhangs.

WORKING COMMITTEE ACTION: Reject.

WORKING COMMITTEE COMMENT: See changes to Log #1.

UPA-1, Log #3 [3-4.1 / Section (B) Fire and Life Safety / Item #2]

PROPOSAL: (2) Location; of minimum 1-A 10B:C rating of fire extinguisher(s).

WORKING COMMITTEE ACTION: Reject

WORKING COMMITTEE STATEMENT: See changes to Log #4.

UPA-1, Log #4 [3-4.1 / Section B, Item #2]

PROPOSAL: Location and A-B:C rating of fire extinguisher(s).

WORKING COMMITTEE ACTION: Accept with editorial changes

WORKING COMMITTEE STATEMENT: Editorial changes to clarify that the requirement is for two separate items being required on the drawings.

UPA-1, Log #5 [3-4.1 / Section E, Item #5]

PROPOSAL: (5) Potable water distribution system lines, piping, tubing or hose diameters; lengths; and low point drain locations and 3/8" (9.5 mm) tubing lengths.

WORKING COMMITTEE ACTION: Accept with editorial changes that are noted.

WORKING COMMITTEE STATEMENT: Agree with submitter but needed grammar corrections.

BSR/UL 38, Standard for Safety for Manual Signaling Boxes for Fire Alarm Systems

1. Alternate 21 Day Indoor Corrosion Test

PROPOSAL

22A Alternate Corrosion Test (21 Day)

22A.1 The 21-day corrosion test outlined in 22A.2 – 22A.3 may be conducted in lieu of Section 22.2, Corrosion Test/Indoor-use signaling boxes.

22A.2 Two samples are to be placed in a 200 L or larger test chamber on a platform approximately 50.8 mm (2 in) above the bottom of the chamber. The temperature in the chamber is to be maintained at 30 ± 2 °C (86 ± 3 °F) and the relative humidity at 70 ± 2 % (measured directly in the chamber). The temperature and humidity are to be checked daily. Because of the corrosive atmosphere a set of wet and dry bulb thermometers for measurement of relative humidity is permitted.

22A.3 The following gas mixture in air is to be supplied to the chamber at a rate sufficient to achieve an air exchange in the chamber of about five times/h, for a period of 3 weeks: 100 ± 10 parts per billion (ppb) (parts per billion = parts per 10⁹ by volume) hydrogen sulfide (H₂S) plus 20 ± 5 ppb chlorine (Cl₂) plus 200 ± 50 ppb nitrogen dioxide (NO₂). The air inside the chamber is to be circulated with flow upwards from the bottom.

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UL 219, Standard for Safety for Lined Fire Hose for Interior Standpipes

1. Twists of hose harmonization with UL 19

PROPOSAL

8 Hydrostatic Proof-Pressure Tests

8.1 General

8.1.1 When subjected for at least 15 seconds to a hydrostatic proof pressure of 300 or 500 psig (2.07 or 3.45 MPa), as requested by the manufacturer, a hose shall comply with (a) - (e). For (a), (c), and (d), the pressure may be maintained for up to 1 minute if necessary, to determine compliance with the requirements. See 8.3.7.

- a) The hose shall not elongate by more than 10 percent of the length measured at 10 psig (69 kPa). See 8.3.8.
- b) The hose shall not leak or balloon, and there shall be no breaking of any thread in the jacket.
- c) The twist of the hose shall not exceed:
 - 1) ~~50~~54 degrees per foot (~~2.86~~3.09 rad/m) for 1-1/2 inch size, and
 - 2) ~~25~~27 degrees per foot (~~1.43~~1.55 rad/m) for 2-1/2 inch size.

Any final twist shall be in the direction to tighten couplings. The hose shall not twist to the left more than 2 degrees per foot (0.114 rad/m) while the pressure is being increased to the test value. See 8.3.6.

BSR/UL 2238, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal Distribution

1. Clause 40.1.6 marking on body not for small size product

PROPOSAL

Clause 40.1.6 A device shall be marked with the following or with an equivalent statement, "Not for current interrupting" or "For disconnecting use only." This statement shall appear on the device or on a flag label wrapped around the cord as close to the fitting as possible or on the smallest unit container or package. When a flag label is used it shall comply with Section 37.10.

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