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CONTENTS

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Project Initiation Notification System (PINS)

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B16.15-202x, Cast Copper Alloy Threaded Fittings (revision of ANSI/ASME B16.15-2024)
Stakeholders: Manufacturers

Project Need: This standard will cover the reference updates for Classes 125 and 250 copper alloy threaded pipe fittings

Interest Categories: AC Designer/Constructor, AD Distributor, AF General Interest, AH Insurance/Inspection, AK Manufacturer, AM Material Manufacturer, AT Regulatory, AW User

This Standard covers cast Classes 125 and 250 copper alloy threaded pipe fittings with provisions for substituting wrought copper alloys for plugs, bushings, caps, and couplings in small sizes. This Standard includes the following: (a) pressure–temperature ratings (b) size and method of designating openings of reducing pipe fittings (c) marking requirements (d) minimum requirements for casting quality and materials (e) dimensions and tolerances in SI (metric) and U.S. Customary units (f) threading requirements (g) pressure test requirements

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME MFC-11M-202x, Measurement of Fluid Flow by Means of Coriolis Mass Flowmeters (new standard)
Stakeholders: Academia, Chemical Engineering Consultants, Oil and Gas Industry, Government Manufacturers

Project Need: This Standard establishes common terminology and guidelines for the selection, installation, and operation of Coriolis flowmeters in the determination of mass flow, density, volume flow and other parameters to be applied to flow measurement of liquids, gases, mixtures of gases, multiphase flows, and miscible and immiscible mixtures of liquids.

Interest Categories: AF - General Interest, AI - Laboratory/Testing, AK - Manufacturer, AO - Owner, AW- User

ASME MFC-11 establishes common terminology and gives guidelines for the selection, installation, calibration, and operation of Coriolis flowmeters for the determination of mass flow, density, volume flow, and other parameters. The content of this Standard is applied to the flow measurement of liquids, gases, mixtures of gases, multiphase flows, and miscible and immiscible mixtures of liquids.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME MFC-12M-202x, Measurement of Fluid Flow in Closed Conduits Using Multiport Averaging Pitot Primary Elements (new standard)
Stakeholders: Academia, Chemical Engineering Consultants, Oil and Gas Industry, Government Manufacturers

Project Need: This Standard provides information on the use of multiport averaging Pitot head-type devices used to measure liquids and gases.

Interest Categories: AF - General Interest, AI - Laboratory/Testing, AK - Manufacturer, AO - Owner, AW- User

This Standard provides information on the use of multiport averaging Pitot head-type devices used to measure liquids and gases. The Standard applies when the conduits are full and the flow: (a) has a fully developed profile, (b) remains subsonic throughout the measurement section, (c) is steady or varies only slowly with time, (d) is considered single-phase. A differential pressure transmitter or other pressure-measuring device, known as a secondary element, must be used with a multiport averaging Pitot primary element to produce a flow rate measurement. Although multiport averaging Pitot primary elements are sometimes used in noncircular conduits, such applications are beyond the scope of this Standard.

ASME (American Society of Mechanical Engineers)

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New Standard

BSR/ASME MFC-22-202x, Measurement of Liquid by Turbine Flowmeters (new standard)
Stakeholders: Academia, Chemical Engineering Consultants, Oil and Gas Industry, Government Manufacturers

Project Need: This Standard describes the criteria for the application of a turbine flowmeter with a rotating blade for the measurement of liquid flows through closed conduit running full.

Interest Categories: AF - General Interest, AI - Laboratory/Testing, AK - Manufacturer, AO - Owner, AW- User

This Standard describes the criteria for the application of a turbine flowmeter with a rotating blade for the measurement of liquid flows through closed-conduit running full. The standard discusses the following: (a) considerations regarding the liquids to be measured; (b) turbine flowmeter system; (c) installation requirements; (d) design specifications; (e) the maintenance, operation, and performance; and (f) measurement uncertainties. This Standard does not address the details of the installation of accessory equipment used to measure pressure, temperature, and/or density for the accurate determination of mass or base volumes, or those accessories used to automatically compute mass or base volumes.

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2998-202x, Standard Practice for Characterization and Classification of Smokeless Powder (new standard)
Stakeholders: Criminalistics Industry

Project Need: 5-year mandatory review

Interest Categories: Producer, User, General Interest

This practice describes procedures for characterization and analysis of: (1) smokeless powders recovered from explosives incidents; (2) materials or objects containing gunshot residue; (3) when visible grains are present, or bulk samples of powder.

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2999-202x, Test Method for Analysis of Organic Compounds in Smokeless Powder by Gas Chromatography-Mass Spectrometry and Fourier Transform Infrared Spectroscopy (new standard)
Stakeholders: Criminalistics Industry

Project Need: 5-year review process

Interest Categories: Producer, User, General Interest

This test method describes the analysis of organic components in smokeless powders by gas chromatography-mass spectrometry and Fourier transform infrared spectroscopy.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK91404-202x, New Practice for Hydrogel Projectile Launcher Playing Field (new standard)
Stakeholders: Airsoft Industry

Project Need: The rapid growth in this new activity has created a business opportunity commercial field operations which require guidance on best practices. Game field operators are the primary user.

Interest Categories: Producer, User, General Interest

This practice establishes minimum safety requirements for the operation of Hydrogel Projectile Launchers fields, and provides for certain materials and procedures required.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK92968-202x, New Practice for Hydrogel Projectile Launcher Playing Field (new standard)
Stakeholders: Airsoft Industry

Project Need: The rapid growth in this new activity has created a business opportunity commercial field operations which require guidance on best practices. Game field operators are the primary user.

Interest Categories: Producer, User, General Interest

This practice establishes minimum safety requirements for the operation of Hydrogel Projectile Launchers fields, and provides for certain materials and procedures required.

HI (Hydraulic Institute)

Amy Sisto <asisto@pumps.org> | 300 Interpace Parkway, Building A, 3rd Floor, #280 | Parsippany, NJ 07054 www.pumps.org

Revision

BSR/HI 5.1-5.6-202x, Sealless Rotodynamic Pumps for Nomenclature, Definitions, Application, Operation, and Test (revision of ANSI/HI 5.1-5.6-2016 (R2021))
Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: There is a need to review and revise the existing ANSI/HI 5.1-5.6-R2021 standard to include content on updated requirements and standard usage.

Interest Categories: Manufacturers, General Interest, and End Users

This standard covers types and nomenclature, definitions, design and application, installation, operation and maintenance, and test of sealless rotodynamic pumps driven by canned motors or magnetic couplings.

HI (Hydraulic Institute)

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Revision

BSR/HI 7.8-202x, Controlled-Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2021)
Stakeholders: Users, designers, and manufacturers of reciprocating pump systems and system components. Most common pump industry segments using controlled-volume metering pumps in various services including chemical, petroleum, slurry, water and wastewater, residential, electric power, and more.

Project Need: Revision of the 2021 standard will be conducted by the CVMP committee. A full review of the standard will occur and items held for future editions will be considered.

Interest Categories: Manufacturers, General Interest, and End Users

This standard provides piping and accessory requirements used in the installation of metering pumps, and educates users about the effects and interactions of inlet (suction) and outlet (discharge) piping on metering system performance.

IEEE (Institute of Electrical and Electronics Engineers)

Teresa Belmont <t.belmont@ieee.org> | 445 Hoes Lane, 3rd Floor | Piscataway, NJ 08854 www.ieee.org

New Standard

BSR/IEEE 2418.12-202x, Standard for Agricultural Products Supply Chain Distributed Ledger Technology (new standard)
Stakeholders: Transportation and logistics sector, agriculture and food sector, corridor development authorities, multilateral development banks, intergovernmental bodies technology companies and startups developing applications and systems for agri-food transportation and logistics

Project Need: The United Nations estimates that the global population will reach almost 10 billion people by 2050, creating greater demands for food and placing pressure on agri-food systems to increase production, reduce spoilage and wastage, and ensure that nutritious and safe food is accessible to everyone. This standard aims to improve transportation and logistics linkages within and across nations and regions to enhance the delivery of agri-food products.

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

This standard describes the design and implementation of an agricultural products supply chain Distributed Ledger Technology (DLT). The standard is consistent with existing standards for systems interoperability and sustainable data exchange across different transport modes, sectors, and countries along the supply chain. The standard defines requirements and methods of the design and implementation of the DLT for withstanding crises, multimodal logistics corridors, and integrated reliable communication systems.

IEEE (Institute of Electrical and Electronics Engineers)

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Addenda

BSR/IEEE C37.234a-202x, IEEE Guide for Protective Relay Applications to Power System Buses: Amendment for Protecting Ungrounded Buses with Large Shunt Capacitance Unbalance (addenda to ANSI/IEEE C37.234-2022)
Stakeholders: Utility, industrial, and commercial electric power system owners and operators, manufacturers making equipment for bus protection, and consultants and engineers designing and setting bus protection systems.

Project Need: The current Standard, clause 8.3, presents a methodology for sizing a stabilizing resistor for ungrounded bus protection. However, if the shunt capacitance is largely unbalanced, the resistor impedance determined with the methodology in clause 8.3 will be too large to reduce the standing zero sequence voltage across the resistor, making it difficult to find a set point to differentiate faulted and non-faulted conditions. This project will clarify this point and provide an alternative calculation method.

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

Concepts of power bus protection are discussed in this guide. Consideration is given to availability and location of breakers, current sensing devices, and disconnect switches, as well as bus-switching scenarios, and their impact on the selection and application of bus protection. A number of bus protection schemes are presented; their adequacy, complexity, strengths, and limitations with respect to a variety of bus arrangements are discussed; specific application guidelines are provided. Breaker failure (BF) protection is discussed as pertaining to bus protection. Means of securing bus protection schemes against corrupted relay input signals are also included.

IEEE (Institute of Electrical and Electronics Engineers)

Teresa Belmont <t.belmont@ieee.org> | 445 Hoes Lane, 3rd Floor | Piscataway, NJ 08854 www.ieee.org

New Standard

BSR/IEEE C62.82.1-202x, Standard for Insulation Coordination - Definitions, Principles, and Rules (new standard)
Stakeholders: Utilities, power engineers, consultants.

Project Need: The project is needed because the document is more than ten years old and should be reviewed for revision. In addition, we are changing the scope of the project to apply to all voltages above 1000 V whereas it only applied to 15 kV and higher previously. We will update references and improve the clarity of wave shapes, their application, etc. and address parts of IEEE 1862 as they apply to this Guide.

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

This insulation coordination standard applies to three-phase alternating current (ac) systems above 1 kV. This standard specifies the procedure for selection of withstand voltages [basic lightning impulse insulation level (BIL) and basic switching impulse insulation level (BSL)] for equipment phase-to-ground and phase to-phase insulation systems. It also identifies a list of standard insulation levels, based on the voltage stress to which the equipment is being exposed. Although the principles of this standard also apply to transmission-line insulation systems, the insulation levels may be different from those identified as standard insulation levels. The guide to this standard, IEEE Std C62.82.2™, is an application guide with practical examples, intended to provide guidance in the determination of the withstand voltages and to suggest calculation methods and procedures.

IEEE (Institute of Electrical and Electronics Engineers)

Teresa Belmont <t.belmont@ieee.org> | 445 Hoes Lane, 3rd Floor | Piscataway, NJ 08854 www.ieee.org

New Standard

BSR/IEEE N42.37-202x, Standard for Training for the Radiological/Nuclear Detection Mission (new standard)
Stakeholders: U.S. Department of Homeland Security, U.S. Department of Defense, U.S. Department of Energy, International Atomic Energy Agency, Radiation instrumentation manufacturers, Radiation instrumentation developers, National Laboratories

Project Need: This standard is needed to establish the minimum requirements are met when training users of Rad/Nuc instrumentation when applied to their mission.

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

This standard provides training requirements for four levels of training as part of the capabilities of public safety agencies to detect, analyze, and report on nuclear and other radioactive materials that are out of regulatory control. This standard describes training requirements applying to these training levels across a wide range of agencies, governments, and the private sectors conducting the preventive Radiological/Nuclear Detection (RND) mission to reduce the risk of terrorist or covert state-sponsored attacks using radiological or nuclear weapons of mass destruction (WMDs). The scope includes the capabilities for prevention and protection mission areas. The scope includes core capability for screening, search, and detection.

NEMA (National Electrical Manufacturers Association)

Andrei Moldoveanu <and_moldoveanu@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR/NEMA SM 31000-1-202x, Electrical Submeter - General Requirements (revision of ANSI/NEMA SM 31000-1 2021)
Stakeholders: Weights and Measures departments, testing laboratories, multi-tenant building owners, regulators, electrical submeter manufacturers.

Project Need: A base for metrological certification of electrical submeters. Revision needed to align this base standard with the newer additions to the SM 31000 series as well as the recently approved National Conference of Weights and Measures electric submeter section of the Handbook 44 model code

Interest Categories: Producer, General Interest, Testing Laboratories, User

The requirements of this Standard cover metrological requirements and associated testing for electrical energy submeters. The Standard applies to stand-alone meters with Standard inputs or metering systems comprising meters and associated sensors. These meters provide details of energy use for energy monitoring or revenue submetering. The Standard does not apply to primary utility-owned meters. The Standard includes AC and DC kilowatt-hour meters, demand meters, load survey meters, and power quality meters, single and four-quadrant meters, etc. The Standard applies to indoor and outdoor applications and covers portable, permanently installed, and embedded meters. The Standard covers AC meters rated at not more than 1000 V that measure active energy, apparent energy, reactive energy (capacitive, inductive and/or total) including received, delivered, and/or net and also those measuring current, voltage, active power, apparent power, reactive power (capacitive, inductive and/or total), power factor, phase angle, polarity, and frequency when measured in addition to energy. The Standard also applies to DC meters rated not more than 1500 V that measure energy received, delivered, and/or net and also those that include additional measurement of power, current, and voltage.

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-3-8-202x, Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders (identical national adoption of IEC 62841-3-8 Ed. 1)
Stakeholders: Consumers and manufacturers of electric motor-operated hand-held tools, transportable tools and lawn and garden machinery, specifically related to transportable single spindle vertical moulders.

Project Need: This project is needed to obtain standard recognition for a new Standard covering requirements for electric motor-operated hand-held tools, transportable tools and lawn and garden machinery with particular requirements for transportable single spindle vertical moulders with the adoption of IEC 62841-3-8 Ed. 1. The Standard is intended to harmonize terminology, design & construction specifications, and test methods used for verification of safety requirements related specifically to transportable single-spindle vertical moulders. The adoption of this Standard is important to continue to provide harmonized international based requirements for electric motor-operated hand-held tools, transportable tools and lawn and garden machinery.

Interest Categories: AHJ, Commercial/Industrial Users, Consumers, General, Government, International Delegates, Producers, Supply Chain, Testing & Standards Organizations

This international Standard deals with the safety of Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: January 5, 2025

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 B16.48-202x, Line Blanks (revision of ANSI/ASME B16.48-2020)
This Standard covers pressure–temperature ratings, materials, dimensions, tolerances, marking, and testing for operating line blanks in sizes NPS 1/2 through NPS 24 for installation between ASME B16.5 flanges in the 150, 300, 600, 900, 1500, and 2500 pressure classes.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Andres Carrion <CarrionA@asme.org>

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i40r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2023)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1,514 LPD (400 GPD) to 5,678 LPD (1,500 GPD) that are designed to provide reduction of nitrogen in residential wastewater.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

Comment Deadline: January 5, 2025

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i84r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2023)
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.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | megan.monsen@ul.org, https://ulse.org/

New Standard

BSR/UL 2278-202x, Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers (new standard)
The proposed changes pertain to the first edition of the Standard for Megawatt Charging Configured Electric Vehicle Couplers, UL 2278, which UL Standards & Engagement is submitting for approval as both an standard and a National Standard of Canada.
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)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | mitchell.gold@ul.org, https://ulse.org/

Revision

BSR/UL 845-202x, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2021)
Recirculation of the following topics which were balloted August 9, 2024: (7) Short Circuit Test Performance.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 924-202x, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924 -2022)
This proposal for UL 924 covers updates to a previous proposal (dated 9/6/2024): (5) Battery discharge test; (9) Instructions for directly controlled emergency luminaires; (12) Functional Safety Evaluations.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: January 5, 2025

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

Revision

BSR/UL 1563-202x, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (revision of ANSI/UL 1563-2020)
A New Edition of this standard is being proposed with the following revisions: (1) Proposed requirements to align with ANSI/APSP/ICC-6 2013 (R2023); (2) Proposed requirements for cold tubs and ice baths; (3) Removal of the reference to UL 6059, Outline for Particular Requirements for Switches for Tools; (4) Revisions for button/coin cell batteries based on latest version of UL 4200A; (5) Updates to Section 4, Undated References, and revisions of some referenced publications.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: January 20, 2025

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 198-202x, Standard for the Technical Review of Bloodstain Pattern Analysis Reporting (new standard)
This document provides the requirements for reviewing reports which contain results, interpretations, or opinions of bloodstain pattern analysts.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board
Send comments (copy psa@ansi.org) to: asb@aafs.org

AARST (American Association of Radon Scientists and Technologists)

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

Revision

BSR/AARST MA-MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings (revision of ANSI/AARST MA-MFLB-2023)
This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in shared structures, or portions of shared structures, used for residential, non-residential, or mixed-use purposes to determine if radon mitigation is necessary to protect current and future occupants. The proposed addenda are the result of public comments received from users of this standard on a variety of topics.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 20, 2025

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | jbrooks@amca.org, www.amca.org

Revision

BSR/AMCA 99-202x, Standards Handbook (revision of ANSI/AMCA 99-2016)
This standard serves as a collection of information that can be used in the development of other AMCA documents.
Single copy price: $90.00 (AMCA non-Members); free (AMCA members)
Obtain an electronic copy from: jbrooks@amca.com
Send comments (copy psa@ansi.org) to: Joseph Brooks <jbrooks@amca.org>

ANS (American Nuclear Society)

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | kmurdoch@ans.org, www.ans.org

Reaffirmation

BSR/ANS 5.4-2011 (R202x), Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel (reaffirmation of ANSI/ANS 5.4-2011 (R2020))
This standard provides an analytical method for calculating the release of volatile fission products from uranium dioxide fuel pellets during normal reactor operation. When used with nuclide yields, this method will give the release-to-birth ratio, R/B, or the so-called "gap release," which is the inventory of volatile radioactive fission products that could be available for release from the fuel rod if the cladding were breached.
Single copy price: $86.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: Patricia Schroeder <pschroeder@ans.org>

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

Reaffirmation

BSR/ASAE S583.2-MAY2020 (R202x), Safety for Agricultural Front-End Loaders (reaffirmation of ANSI/ASAE S583.2-MAY2020)
This standard specifies safety requirements for the design and construction of agricultural front-end loaders (front loaders) designed to be mounted on agricultural tractors, as defined in ANSI/ASAE S390.6 (ISO 12934:2013) section 3.1. The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of front loaders on agricultural tractors.
Single copy price: Free
Obtain an electronic copy from: stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell <stell@asabe.org>

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

Reaffirmation

BSR/ASAE S355.5 SEP2015 (R202x), Safety Practices for Agricultural Front-End Loaders (reaffirmation of ANSI/ASAE S355.5 SEP2015 (R2019))
This Standard provides a uniform method of warning owners, bystanders, and operators of the potential hazards encountered in the operation and servicing of agricultural tractors equipped with agricultural front-end loaders.
Single copy price: Free
Obtain an electronic copy from: stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell <stell@asabe.org>

Comment Deadline: January 20, 2025

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20190 | tjohnston@asce.org, www.asce.org

New Standard

BSR/ASCE/EWRI 70 (R202x), Estimation of Aquifer Hydraulic Properties by Inverse Numerical Modeling of Aquifer Pumping Tests (new standard)
Standard ANSI/ASCE/EWRI 70-19 provides guidelines for estimating the hydraulic properties of a groundwater system by inverse numerical modeling of aquifer pumping tests. This standard is applicable to situations where inverse methods based on analytical solutions for aquifer response to pumping are not applicable. Guidance is provided on using a numerical groundwater flow model to simulate an aquifer pumping test and estimate aquifer hydraulic properties. The methodology is based on minimizing residual error between observed and simulated heads by adjusting (calibrating) values of the pertinent aquifer hydraulic properties, for example, transmissivity, storativity, and leakance, such that there is a close match between the observed and simulated values.
Single copy price: Free
Obtain an electronic copy from: tjohnston@asce.org
Send comments (copy psa@ansi.org) to: Tanner Johnston <tjohnston@asce.org>

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20190 | tjohnston@asce.org, www.asce.org

Reaffirmation

BSR/ASCE/EWRI 65-2017 (R202x), Calculation of the Saturated Hydraulic Conductivity of Fine-Grained Soils (reaffirmation of ANSI/ASCE/EWRI 65-2017)
Standard ANSI/ASCE/EWRI 65-17 provides guidelines for calculating saturated hydraulic conductivity (Ksat), permeability, and porosity of fine-grained soils. The calculation has four components: strain-stress data from a step-load test; one-dimensional vertical consolidation theory relating Ksat to the coefficient of consolidation; the relation between Ksat and permeability; and the relation between porosity and the void ratio of the soil.
Single copy price: Free
Obtain an electronic copy from: tjohnston@asce.org
Send comments (copy psa@ansi.org) to: Tanner Johnston <tjohnston@asce.org>

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B16.5-202x, Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 Metric/Inch Standard (revision of ANSI/ASME B16.5-2021)
This Standard covers pressure–temperature ratings, materials, dimensions, tolerances, marking, testing, and methods of designating openings for pipe flanges and flanged fittings.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Andres Carrion <CarrionA@asme.org>

Comment Deadline: January 20, 2025

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 B16.34-202x, Valves - Flanged, Threaded, and Welding End (revision of ANSI/ASME B16.34-2020)
This Standard applies to new construction and covers pressure–temperature ratings, dimensions, tolerances, materials, nondestructive examination requirements, testing, and marking for cast, forged, and fabricated flanged, threaded, and welding end and wafer or flangeless valves of steel, nickel-base alloys, and other alloys.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Andres Carrion <CarrionA@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

Revision

BSR/ASME B16.36-202x, Orifice Flanges (revision of ANSI/ASME B16.36-2020)
This Standard covers pressure–temperature ratings, materials, dimensions, tolerances, testing, and making of flanges (similar to those covered in ASME B16.5) that have orifice pressure differential connections.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Andres Carrion <CarrionA@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

Revision

BSR/ASME B16.47-202x, Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard (revision of ANSI/ASME B16.47-2020)
This Standard covers pressure–temperature ratings, materials, dimensions, tolerances, marking, and testing for pipe flanges in sizes NPS 26 through NPS 60. Included are flanges with rating class designations 75, 150, 300, 400, 600, and 900 with requirements given in both SI (Metric) and U.S. Customary units, with diameter of bolts and flange bolt holes expressed in inch units.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Andres Carrion <CarrionA@asme.org>

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK5436-202x, Guide for Extension of Data for Fire-Resistive Joint System Tests Conducted in Accordance with ASTM E1966 (new standard)
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 20, 2025

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

Reaffirmation

BSR/ASTM D2859-2016 (R202x), Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials (reaffirmation of ANSI/ASTM D2859-2016 (R2021))
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 E108-202x, Test Methods for Fire Tests of Roof Coverings (revision of ANSI/ASTM E108-2024)
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 E162-202x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2024)
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 E2937-202x, Guide for Using Infrared Spectroscopy in Forensic Paint Examinations (revision of ANSI/ASTM E2937-2018)
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

Comment Deadline: January 20, 2025

ASTM (ASTM International)

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

Revision

BSR/ASTM E3085-202x, Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations (revision of ANSI/ASTM E3085-2017)
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

AWS (American Welding Society)

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

Revision

BSR/AWS A5.17/A5.17M-202x, Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.17/A5.17M-2019)
This specification provides requirements for the classification of solid and composite carbon steel electrodes and fluxes for submerged arc welding. Electrode classification is based on chemical composition of the electrode for solid electrodes, and chemical composition of the weld metal for composite electrodes. Flux classification is based on the mechanical properties of weld metal produced with the flux and an electrode classified herein. Additional requirements are included for sizes, marking, manufacturing, and packaging. The form and usability of the flux are also included. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of submerged arc fluxes and electrodes. 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: $42.00 (non-member); $32.00 (member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 20, 2025

AWS (American Welding Society)

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

Revision

BSR/AWS A5.23/A5.23M-202x, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.23/A5.23M-2021)
This specification provides requirements for the classification of solid and composite carbon steel, low-alloy steel, and high-manganese steel electrodes and fluxes for submerged arc welding. Electrode classification is based on chemical composition of the electrode for solid electrodes, and chemical composition of the weld metal for composite electrodes. Fluxes may be classified using a multiple-pass classification system or a two-run classification system, or both, under this specification. Multiple-pass classification is based on the mechanical properties and the deposit composition of weld metal produced with the flux and an electrode classified herein. Two-run classification is based upon mechanical properties only. Additional requirements are included for sizes, marking, manufacturing, and packaging. The form and usability of the flux are also included. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of submerged arc fluxes and electrodes. 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: $42.00 (non-member); $32.00 (member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

AWWA (American Water Works Association)

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

Reaffirmation

BSR/AWWA C225-2020 (R202x), Fused Polyolefin Coatings for Steel Water Pipe (reaffirmation of ANSI/AWWA C225-2020)
This standard describes the materials and application of fused polyolefin coating systems for buried service. This system is applied in pipe-coating plants, both portable and fixed, using coating techniques and equipment as recommended by the manufacturer. Typically, these prefabricated, polyolefin coatings are applied as a three-layer system consisting of (1) a liquid adhesive layer, (2) a corrosion-protection inner layer, and (3) a mechanical-protection outer layer.
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 20, 2025

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C223-202x, Fabricated Steel and Stainless-Steel Tapping Sleeves (revision of ANSI/AWWA C223 -2019)
This standard describes fabricated steel and stainless-steel tapping sleeves used to provide outlets and branches on existing pipe with or without interruption of service. They are intended for pipe sizes 4 in. (100 mm) through 48 in. (1,200 mm) with branch outlets through 36 in. (900 mm). This standard includes requirements for materials, dimensions, tolerances, finishes, and testing. This standard is for tapping sleeves that are bolted to in-service pipelines and is not intended to apply to tapping sleeves welded to pipe.
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 | mrohr@awwa.org, www.awwa.org

Revision

BSR/AWWA C512-202x, Air-Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service - Metallic Body and Cover (revision of ANSI/AWWA C512-2015)
This standard describes 1/2-in. (13-mm) through 6-in. (150-mm) air-release valves and 1/2-in. (13-mm) through 20-in. (500-mm) air/vacuum valves and combination air valves having gray cast-iron, ductile-iron, carbon steel, or stainless-steel bodies and covers. The valves are designed for use in water or wastewater systems with maximum design pressures of 300 psig (2,070 kPa [gauge]), liquid temperatures ranging from above freezing to a maximum of 125°F (52°C), and a liquid pH greater than 6 and less than 12.
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)

BHCOE (Behavioral Health Center of Excellence)

8033 West Sunset Blvd , Los Angeles, CA 90046 | jenna.kokoski@jadehealth.org, www.bhcoe.org

Revision

BSR/BHCOE 201-202x, BHCOE 201 Standards of Excellence for Applied Behavior Analysis Services (revision of ANSI/BHCOE 201-2022)
The primary purpose of the Behavioral Health Center of Excellence's (BHCOE) Standards of Excellence for Applied Behavior Analysis (ABA) Services is to promote access to safe, high-quality, and effective clinical services for individuals receiving ABA care. The substantive changes being introduced to the standards aim to ensure that key aspects of quality assessment and measurement within behavioral organizations are robustly addressed. These include areas such as ethics, integrity, professionalism, clinical documentation, service delivery, health and safety, emergency preparedness, diversity, and more.
Single copy price: Free
Obtain an electronic copy from: https://www.bhcoe.org/standard/bhcoe-standard-201-standards-guidelines-for-effective-applied-behavior-analysis-organizations/
Send comments (copy psa@ansi.org) to: https://www.bhcoe.org/standard/bhcoe-standard-201-standards-guidelines-for-effective-applied-behavior-analysis-organizations/

Comment Deadline: January 20, 2025

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Suite 150, Grand Rapids, MI 49504-5368 | aserge@bifma.org, www.bifma.org

Reaffirmation

BSR/BIFMA X5.4-2020 (R202x), Public and Lounge Seating (reaffirmation of ANSI/BIFMA X5.4-2020)
This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of business and institutional public and lounge seating. Public and lounge seating is normally used in indoor common/shared spaces such as waiting, reception, visitor seating in patient rooms, restaurant/dining/cafeteria settings, and other gathering areas.
Single copy price: Free
Obtain an electronic copy from: aserge@bifma.org
Send comments (copy psa@ansi.org) to: Anthony Serge <aserge@bifma.org>

DirectTrust™ (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org

New Standard

BSR/DS2019-01-300-202x, Implementation Guide for Direct Edge Protocols (new standard)
The ANSI Standard "Applicability Statement for Secure Health Transport" establishes the standard protocols, including message formats and processing requirements, for communication between Security/Trust Agents (STAs). STAs are commonly referred to by the name of the entities that operate STAs on behalf of others, Health Information Service Providers (HISPs). The communication protocol between HISPs is known as the Direct protocol and is based on SMTP. This document specifies the protocols used between HISP clients and the HISP, called "Direct Edge protocols".
Single copy price: $30.00
Obtain an electronic copy from: Standards@DirectTrust.org
Send comments (copy psa@ansi.org) to: Stacy Clements <standards@directtrust.org>

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

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

New Standard

BSR/IAPMO Z1388-202x, Supply Stops with Integral Water Hammer Arresters (new standard)
This standard covers supply stops with integral water hammer arresters and specifies requirements for materials, physical characteristics, performance testing, and markings.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

NEMA (National Electrical Manufacturers Association)

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

New Standard

BSR/SM 31000-4-202x, Electrical Submeter - Additional Measurements Accuracy (new standard)
This standard covers metrological requirements and associated testing of measurements other than active energy for electrical submeters.
Single copy price: Free
Obtain an electronic copy from: and_moldoveanu@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 20, 2025

NETA (InterNational Electrical Testing Association)

3050 Old Centre Rd, Suite 101, Portage, MI 49024 | ldanzy@netaworld.org, www.netaworld.org

Revision

BSR/NETA ATS-2025-202x, Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2021)
Scope Summary: These specifications are designed to assure that tested electrical equipment and systems are operational, are within applicable standards and manufacturers' tolerances, and are installed in accordance with design specifications. Use the ANSI/NETA ATS-2021 as a guide to ensure that electrical systems and apparatus not only meet project specifications, but that the manufacturer of the equipment supplied a product that will perform safely and reliably for many years to come.
Single copy price: $495.00
Obtain an electronic copy from: ldanzy@netaworld.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, Il 60201 | cynthia.byrne@ul.org, https://ulse.org/

National Adoption

BSR/UL 61010-2-030-202x, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 030: Particular Requirements for Equipment Having Testing or Measuring Circuits (national adoption of IEC 61010-2-030 with modifications and revision of ANSI/UL 61010-2-030-2018 (R2023))
Adoption of IEC 61010-2-030, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 030: Particular Requirements for Equipment having Testing or Measuring Circuits (third edition issued September 2023) as a new IEC-based UL standard, UL 61010-2-030, with US National Differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 1487-202x, Standard for Batter Containment Enclosures (new standard)
(1) Proposed First Edition of the Standard for Battery Containment Enclosures, UL 1487 (Recirculation)
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 20, 2025

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | Jacob.Stewart@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 141-2020 (R202x), Standard for Safety for Garment Finishing Appliances (reaffirmation of ANSI/UL 141 -2020)
Reaffirmation and continuance of the Ninth Edition of the Standard for Garment Finishing Appliances, UL 141, as an standard.
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

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Revision

BSR/VITA 65.0-202x, OpenVPX System Standard (revision of ANSI/VITA 65.0-2023)
The OpenVPX System Standard was created to bring versatile system architectural solutions to the VPX market. Based on the extremely flexible VPX family of standards, the OpenVPX standard uses Plug-In Module mechanical, connectors, thermal, communications protocols, utility, and power definitions provided by specific VITA standards to define a series of Slot, Backplane, Module, and Standard Development Chassis Profiles.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Revision

BSR/VITA 65.1-202x, OpenVPX System Standard - Profile Tables (revision of ANSI/VITA 65.1-2023)
This standard documents variations of Slot, Backplane, and Modules Profiles. As part of the Slot Profile Description, there are also some Connector Modules defined. This document is primarily tables which are referenced by VITA 65.0. This revision adds Connector Modules and Slot Profile dash options to support the new Optical Profiles as well as some other additions.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB Std 007-2024, Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System (AFIS) Databases (revision of ANSI/ASB Std 007-2018) Final Action Date: 11/26/2024 | *Revision*

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

ANSI/AAMI EQ56-2024, Standard for a medical equipment management program (new standard) Final Action Date: 11/26/2024 | *New Standard*

ANSI/AAMI EQ103-2024, Alternate equipment management (AEM) in healthcare facilities (new standard) Final Action Date: 11/26/2024 | *New Standard*

ANSI/AAMI EQ110-2024, Healthcare Technology Management (HTM) educational programs (new standard) Final Action Date: 11/26/2024 | *New Standard*

AGMA (American Gear Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | praneis@agma.org, www.agma.org

ANSI/AGMA 2002-D19, Tooth Thickness and Backlash Measurement of Cylindrical Involute Gearing (reaffirmation of ANSI/AGMA 2002-D19) Final Action Date: 12/2/2024 | *Reaffirmation*

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

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

ANSI/ASHRAE Addendum cp to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020) Final Action Date: 11/29/2024 | *Addenda*

ANSI/ASHRAE/ASHE Addendum 170k-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 11/29/2024 | *Addenda*

ANSI/ASHRAE/ASHE Addendum 170r-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 11/29/2024 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum i to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023) Final Action Date: 11/29/2024 | *Addenda*

ANSI/ASHRAE Standard 111-2024, Measurement, Testing, Adjusting and Balancing of Building Heating, Ventilation and Air-Conditioning Systems (revision of ANSI/ASHRAE Standard 111-2008 (R2017)) Final Action Date: 11/29/2024 | *Revision*

ANSI/ASHRAE Standard 143-2024, Method of Test for Indirect Evaporative Air Coolers (revision of ANSI/ASHRAE Standard 143-2015) Final Action Date: 11/29/2024 | *Revision*

ASSP (Safety) (American Society of Safety Professionals)

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

ANSI/ASSP Z244.1-2024, The Control of Hazardous Energy - Lockout, Tagout and Alternative Methods (revision of ANSI/ASSP Z244.1-2016 (R2020)) Final Action Date: 11/26/2024 | *Revision*

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, https://www.esda.org

ANSI/ESD SP27.1-2018 (R2024), ESD Association Standard Practice for the Recommended Information Flow Regarding Potential EOS Issues between Automotive OEM, Tier 1, and Semiconductor Manufacturers (reaffirmation of ANSI/ESD SP27.1-2018) Final Action Date: 11/26/2024 | *Reaffirmation*

FM (FM Approvals)

One Technology Way, Norwood, MA 02062 | josephine.mahnken@fmapprovals.com, www.fmapprovals.com

ANSI/FM 4881-2024, Evaluating Exterior Wall Systems (revision of ANSI/FM 4881-2017) Final Action Date: 11/26/2024 | *Revision*

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

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

ANSI/ASSE/IAPMO Series 6000-2024, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2021) Final Action Date: 11/26/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 173-2024 (i115r2), Dietary Supplements (revision of ANSI/NSF 173-2024) Final Action Date: 11/26/2024 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 38-2024a, Standard for Manual Signaling Boxes for Fire Alarm Systems (revision of ANSI/UL 38-2024) Final Action Date: 11/27/2024 | *Revision*

ANSI/UL 217-2024a, Standard for Smoke Alarms (revision of ANSI/UL 217-2022) Final Action Date: 11/27/2024 | *Revision*

ANSI/UL 248-19-2024, Standard for Low-Voltage Fuses - Part 19: Photovoltaic (revision of ANSI/UL 248-19-2020) Final Action Date: 11/25/2024 | *Revision*

ANSI/UL 1686-2024, Standard for Safety for Pin and Sleeve Configurations (revision of ANSI/UL 1686-2023) Final Action Date: 11/22/2024 | *Revision*

ANSI/UL 4248-19-2024, Standard for Fuseholders - Part 19: Photovoltaic Fuseholders (revision of ANSI/UL 4248-19 -2021) Final Action Date: 11/25/2024 | *Revision*

ANSI/UL 8801-2024, Standard for Safety for Photovoltaic (PV) Luminaire Systems (revision of ANSI/UL 8801-2022) Final Action Date: 11/26/2024 | *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.

AARST (American Association of Radon Scientists and Technologists)

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

BSR/AARST MA-MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings (revision of ANSI/AARST MA-MFLB-2023)

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

BSR/ASAE S583.2-MAY2020 (R202x), Safety for Agricultural Front-End Loaders (reaffirmation of ANSI/ASAE S583.2-MAY2020)

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

BSR/ASAE S355.5 SEP2015 (R202x), Safety Practices for Agricultural Front-End Loaders (reaffirmation of ANSI/ASAE S355.5 SEP2015 (R2019))

AWS (American Welding Society)

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

BSR/AWS A5.17/A5.17M-202x, Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.17/A5.17M-2019)

AWS (American Welding Society)

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

BSR/AWS A5.23/A5.23M-202x, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.23/A5.23M-2021)

DirectTrust™ (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org

BSR/DS2019-01-300-202x, Implementation Guide for Direct Edge Protocols (new standard)
Interest Categories: Call for DirectTrust Standards Members DS2019 – The Direct Standard(R) Are you interested in contributing to the development and maintenance of the Direct Standard(R) to enable exchange of authenticated, encrypted health information to known trusted recipients? DirectTrust Standards is currently looking for members in the following categories: a) Healthcare Sector (b) Government Sector (c) Healthcare Payer Sector (d) Consumer Sector and General Interest If you are interested in joining DS2019 contact standards@directtrust.org.

HI (Hydraulic Institute)

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

BSR/HI 5.1-5.6-202x, Sealless Rotodynamic Pumps for Nomenclature, Definitions, Application, Operation, and Test (revision of ANSI/HI 5.1-5.6-2016 (R2021))

HI (Hydraulic Institute)

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

BSR/HI 7.8-202x, Controlled-Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2021)

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA SM 31000-1-202x, Electrical Submeter - General Requirements (revision of ANSI/NEMA SM 31000-1 2021)

NEMA (National Electrical Manufacturers Association)

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

BSR/SM 31000-4-202x, Electrical Submeter - Additional Measurements Accuracy (new standard)

NSF (NSF International)

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

BSR/NSF 245-202x (i40r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2023)

NSF (NSF International)

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

BSR/NSF 350-202x (i84r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2023)

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

BSR/UL 1563-202x, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (revision of ANSI/UL 1563-2020)
Interest Categories: UL Standards & Engagement is looking for members to join TC 1563 with the following interest categories: Authorities Having Jurisdiction, Commercial/Industrial Users, Consumer, General Interest, and Government.

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 65.0-202x, OpenVPX System Standard (revision of ANSI/VITA 65.0-2023)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 65.1-202x, OpenVPX System Standard - Profile Tables (revision of ANSI/VITA 65.1-2023)

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developers

PLASTICS - Plastics Industry Association

ANSI/PLASTICS B151.11-2021 - 30-Day Comment Deadline By January 5, 2025

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **January 5, 2025**

ANSI/PLASTICS B151.11-2021

Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics
(new standard)

The requirements of this standard apply to the manufacture, care and use of granulators, strand pelletizers, dicers, and single shaft rotary grinders used for the size reduction of plastics through the use of a rotary cutting action. The equipment can be actuated either manually, mechanically, hydraulically, electrically, pneumatically or by any combination. This standard does not apply to other types of shredders or to pulverizers.

Send comments (with optional copy to psa@ansi.org) to: jlinder@plasticsindustry.org
Single copy price: $100.00

Click here to view these changes in full

ANSI Accredited Standards Developers

PLASTICS - Plastics Industry Association

ANSI/PLASTICS B151.27-2021 - 30-Day Comment Deadline By January 5, 2025

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **January 5, 2025**

ANSI/PLASTICS B151.27-2021

Safety Requirements for Robot / Injection Molding Machine Systems
(revision and redesignation of ANSI/SPI B151.27-2013)

Specifies the safety requirements for the design, implementation, set-up, operation, maintenance and modification of robot / Injection Molding Machine (IMM) systems. A robot / IMM system is comprised of a robot system(s) operating within the volume of the mold area guarding of an IMM.

Send comments (with optional copy to psa@ansi.org) to: jjones@plasticsindustry.org
Obtain an electronic copy from: jjones@plasticsindustry.org
Single copy price: $100.00

Click here to view these changes in full

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
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AAMI
Association for the Advancement of Medical Instrumentation
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www.aami.org

Mike Miskell
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AARST
American Association of Radon Scientists and Technologists
527 N. Justice Street
Hendersonville, NC 28739
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Gary Hodgden
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AGMA
American Gear Manufacturers Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
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AMCA
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Arlington Heights, IL 60004
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ASHRAE
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ASME
American Society of Mechanical Engineers
Two Park Avenue, M/S 6-2B
New York, NY 10016
www.asme.org

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ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
www.assp.org

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ASTM
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AWS
American Welding Society
8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org

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

Madeline Rohr
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BHCOE
Behavioral Health Center of Excellence
8033 West Sunset Blvd
Los Angeles, CA 90046
www.bhcoe.org

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BIFMA
Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW, Suite 150
Grand Rapids, MI 49504
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DirectTrust
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300 Interpace Parkway, Building A, 3rd Floor, #280
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IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
www.asse-plumbing.org

Terry Burger
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IAPMO (Z)
International Association of Plumbing & Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
https://www.iapmostandards.org

Terry Burger
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IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane, 3rd Floor
Piscataway, NJ 08854
www.ieee.org

Teresa Belmont
t.belmont@ieee.org

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

Andrei Moldoveanu
and_moldoveanu@nema.org

NETA
InterNational Electrical Testing Association
3050 Old Centre Rd, Suite 101
Portage, MI 49024
www.netaworld.org

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ldanzy@netaworld.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
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www.vita.com

Jing Kwok
jing.kwok@vita.com

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

Mechanical vibration and shock (TC 108)

ISO/DIS 18436-2, Condition monitoring and diagnostics of machines - Requirements for training and certification of personnel - Part 2: Vibration condition monitoring and diagnostics - 2/17/2025, $102.00

Petroleum products and lubricants (TC 28)

ISO/DIS 8754, Petroleum products - Determination of sulfur content - Energy-dispersive X-ray fluorescence spectrometry - 2/17/2025, $53.00

ISO/DIS 15597, Petroleum and related products - Determination of chlorine and bromine content - Wavelength-dispersive X-ray fluorescence spectrometry - 2/17/2025, $46.00

Soil quality (TC 190)

ISO/DIS 13196, Soil quality - Screening soils for selected elements by energy-dispersive X-ray fluorescence spectrometry using a handheld or portable instrument - 2/17/2025, $71.00

Solid mineral fuels (TC 27)

ISO/DIS 1953.2, Coal - Size analysis by sieving - 12/12/2024, $67.00

ISO/DIS 10752, Coal sizing equipment - Performance evaluation - 2/17/2025, $107.00

Steel and aluminium structures (TC 167)

ISO/DIS 18900, Steel structures - Structural bolting - Test method for determining the slip factor for faying surfaces of slip-resistant connections - 2/20/2025, $53.00

Surgical instruments (TC 170)

ISO/DIS 7554-2, Surgical instruments - Terms, measuring methods and tests - Part 2: Measuring methods for the determination of basic measures of surgical standard instruments - 2/17/2025, $46.00

Thermal insulation (TC 163)

ISO/DIS 8144-1, Thermal insulation - Mineral wool mats for ventilated roof spaces - Part 1: Specification for applications with restricted ventilation - 2/17/2025, $58.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 22368-1, Crop protection equipment - Test methods for the evaluation of cleaning systems - Part 1: Internal cleaning of complete sprayers - 2/17/2025, $53.00

IEC Standards

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

100/4200/CDV, IEC 62608-1 ED2: Multimedia home network configuration - Basic reference model - Part 1: System model, 02/21/2025

100/4243/CD, IEC 63448 ED1: Low and Ultra-low Latency Communication and Control Systems, 01/24/2025

100/4239/CD, IEC TR 63614-1 ED1: Multimedia Systems and Equipment for Metaverse - Part 1: General, 01/24/2025

100/4240/CD, IEC TR 63614-3 ED1: Multimedia Systems and Equipment for Metaverse - Part 3: Gap Analysis, 01/24/2025

100/4241/NP, PNW TS 100-4241 ED1: Multimedia Systems and Equipment for Metaverse - Part 2: Classification, 02/21/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1019/CDV, ISO 15118-4 ED2: Road vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test, 01/24/2025

Electric traction equipment (TC 9)

9/3149/CDV, IEC 61375-1 ED4: Electronic railway equipment - Train communication network (TCN) - Part 1: General architecture, 02/21/2025

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

18A/496/FDIS, IEC 60092-376 ED4: Electrical installations in ships - Part 376: Cables for control and instrumentation circuits 150/250 V (300 V), 01/10/2025

Fibre optics (TC 86)

86B/4982/CD, IEC 60876-1 ED6: Fibre optic interconnecting devices and passive components - Fibre optic spatial switches - Part 1: Generic specification, 01/24/2025

86B/4983/CD, IEC 61202-1 ED5: Fibre optic interconnecting devices and passive components - Fibre optic isolators - Part 1: Generic specification, 01/24/2025

Fuel Cell Technologies (TC 105)

105/1090/CD, IEC 62282-3-100 ED3: Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety, 02/21/2025

105/1091/DTR, IEC TR 62282-7-3 ED1: Fuel cell technologies - Part 7-3: Test methods - Status of accelerated tests for fuel cell stacks and components and perspectives for standardization, 01/24/2025

Hydraulic turbines (TC 4)

4/514/NP, PNW 4-514 ED1: Terms and Definitions for Hydraulic Turbine Governing Systems, 02/21/2025

Lamps and related equipment (TC 34)

34D/1757/CD, IEC 60598-2-20 ED6: Luminaires - Part 2-20: Particular requirements - Lighting chains, 02/21/2025

34D/1758/CD, IEC 60598-2-4 ED4: Luminaires - Part 2-4: Particular requirements - Portable general purpose luminaires, 02/21/2025

34/1288/NP, PNW 34-1288 ED1: Horticultural lighting - LED modules for horticultural lighting - Safety, 02/21/2025

Magnetic alloys and steels (TC 68)

68/784/CD, IEC 60404-8-3/AMD1 ED4: Amendment 1 - Magnetic materials - Part 8-3: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the semi-processed state, 01/24/2025

68/781/CD, IEC 60404-8-4/AMD1 ED4: Amendment 1 - Magnetic materials - Part 8-4: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state, 01/24/2025

68/783/CD, IEC 60404-8-5/AMD1 ED2: Amendment 1 - Magnetic materials - Part 8-5: Specifications for individual materials - Electrical steel strip and sheet with specified mechanical properties and magnetic polarization, 01/24/2025

68/782/CD, IEC 60404-8-8/AMD1 ED2: Amendment 1 - Magnetic materials - Part 8-8: Specifications for individual materials - Thin electrical steel strip and sheet for use at medium frequencies, 01/24/2025

Safety of household and similar electrical appliances (TC 61)

61/7331/CDV, IEC 60335-1/AMD1/FRAG7 ED6: Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 7), 02/21/2025

61/7322/CDV, IEC 60335-2-106 ED3: Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings, 02/21/2025

61/7336/CDV, IEC 60335-2-113 ED2: Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources, 02/21/2025

61/7323/CDV, IEC 60335-2-114/AMD1 ED2: Amendment 1 - Household and similar electrical appliances - Safety - Part 2 -114: Particular requirements for Personal-e-Transporters, 02/21/2025

61/7324/CDV, IEC 60335-2-116 ED2: Household and similar electrical appliances - Safety - Part 2-116: Particular requirements for furniture with electrically motorized parts, 02/21/2025

61/7325/CDV, IEC 60335-2-13/AMD1 ED7: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances, 02/21/2025

61/7326/CDV, IEC 60335-2-48/AMD1 ED5: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters, 02/21/2025

61/7327/CDV, IEC 60335-2-49/AMD1 ED5: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm, 02/21/2025

61/7337/CDV, IEC 60335-2-5 ED7: Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, 02/21/2025

61/7328/CDV, IEC 60335-2-50/AMD1 ED5: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-50: Particular requirements for commercial electric bains-marie, 02/21/2025

61/7329/CDV, IEC 60335-2-54/AMD1 ED5: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam, 02/21/2025

61/7330/CDV, IEC 60335-2-85/AMD1 ED3: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers, 02/21/2025

61/7346/NP, PNW 61-7346 ED1: Household and similar electrical appliances - Safety - Part 2-xxx: Particular requirements for washer-dryers, 02/21/2025

Secondary cells and batteries (TC 21)

21/1236/CD, TR 63330-2: Repurposing of secondary batteries - Part 2: Classification of batteries to be repurposed - Safety and performance estimation methods, 02/21/2025

Semiconductor devices (TC 47)

47/2882/CDV, IEC 60749-26 ED5: Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM), 02/21/2025

Solar photovoltaic energy systems (TC 82)

82/2326/NP, PNW TS 82-2326 ED1: Guidelines for qualifying PV modules for operation in floating solar platforms, 02/21/2025

82/2327/NP, PNW TS 82-2327 ED1: Renewable energy and hybrid systems for rural electrification - Part 120: Procurement processes, including tendering and evaluation, 02/21/2025

Tools for live working (TC 78)

78/1482/CDV, IEC 62192-1 ED1: Rope for electrical work - Part 1: work within the live working zone or in contact with live parts, 01/24/2025

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC25/3294/CD, ISO/IEC 24383 ED1: Information technology - Generic cabling - Physical network security for the accommodation of customer premises cabling infrastructure and information technology equipment, 02/07/2025

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

Agricultural food products (TC 34)

ISO 24557:2024, Pulses - Determination of moisture content - Air-oven method, $81.00

ISO 29981:2024, Milk products - Enumeration of bifidobacteria - Colony-count technique, $124.00

Aircraft and space vehicles (TC 20)

ISO 16126:2024, Space systems - Survivability of unmanned spacecraft against space debris and meteoroid impacts for the purpose of space debris mitigation, $250.00

Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO 5649:2024, Medical laboratories - Concepts and specifications for the design, development, implementation and use of laboratory-developed tests, $194.00

Furniture (TC 136)

ISO 9221:2024, Furniture - Children's high chairs - Safety requirements and test methods, $223.00

Implants for surgery (TC 150)

ISO 14607:2024, Non-active surgical implants - Mammary implants - Specific requirements, $250.00

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

ISO 13503-2:2024, Oil and gas industries including lower carbon energy - Completion fluids and materials - Part 2: Measurement of properties of proppants used in hydraulic fracturing and gravel-packing operations, $81.00

Nuclear energy (TC 85)

ISO 13465:2024, Nuclear energy - Nuclear fuel technology - Determination of neptunium in nitric acid solutions by spectrophotometry, $81.00

Optics and optical instruments (TC 172)

ISO 19045-2:2024, Ophthalmic optics - Contact lens care products - Part 2: Method for evaluating disinfecting efficacy by contact lens care products using trophozoites of Acanthamoeba species as the challenge organisms, $166.00

Plain bearings (TC 123)

ISO 4378-1:2024, Plain bearings - Terms, definitions, classification and symbols - Part 1: Design, bearing materials and their properties, $223.00

ISO 4378-2:2024, Plain bearings - Terms, definitions, classification and symbols - Part 2: Friction and wear, $81.00

ISO 4378-3:2024, Plain bearings - Terms, definitions, classification and symbols - Part 3: Lubrication, $124.00

Plastics (TC 61)

ISO 1628-1:2024, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles, $166.00

ISO 16623:2024, Plastics - Marine biodegradation testing - Preparation of optimized intertidal seawater and sediment, $166.00

Refrigeration (TC 86)

ISO 817:2024, Refrigerants - Designation and safety classification, $194.00

ISO 24664:2024, Refrigerating systems and heat pumps - Pressure relief devices and their associated piping - Methods for calculation, $194.00

Road vehicles (TC 22)

ISO/PAS 8235:2024, Road vehicles - Ergonomic aspects of human vehicle interactions - Taxonomy for the classification of adaptive interactive vehicle systems, $124.00

Rolling bearings (TC 4)

ISO 22872:2024, Rolling bearings - Geometrical product specifications (GPS) - Vocabulary and representation of symbols, $166.00

Ships and marine technology (TC 8)

ISO 10665:2024, Ships and marine technology - Ship design - CNG and LNG propulsion system, $194.00

Steel (TC 17)

ISO 4937:2024, Steel and iron - Determination of chromium content - Potentiometric or visual titration method, $124.00

ISO 8353:2024, Steel sheet, zinc-aluminium-magnesium alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities, $166.00

ISO 6934-2:2024, Steel for the prestressing of concrete - Part 2: Cold-drawn wire, $81.00

Traditional Chinese medicine (TC 249)

ISO 8284:2024, Traditional Chinese medicine - Simplified accelerated stress simulation methods, $166.00

Water quality (TC 147)

ISO 4717:2024, Water quality - Protactinium 231 - Test method using ICP-MS, $124.00

Welding and allied processes (TC 44)

ISO 11872:2024, Gas welding equipment - Decomposition blockers for high-pressure acetylene, $81.00

ISO Technical Reports

Gas cylinders (TC 58)

ISO/TR 13086-4:2024, Gas cylinders - Guidance for design of composite cylinders - Part 4: Cyclic fatigue of fibres and liners, $166.00

Lifts, escalators, passenger conveyors (TC 178)

ISO/TR 8101-10:2024, Fire safety on lifts - Part 10: Comparison of safety standards worldwide on lifts used by firefighters and for building evacuation, $278.00

ISO Technical Specifications

Transport information and control systems (TC 204)

ISO/TS 21192:2024, Electronic fee collection - Support for traffic management, $194.00

ISO/TS 21193:2024, Electronic fee collection - Requirements for EFC application interfaces on common media, $223.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 30181:2024, Internet of Things (IoT) - Functional architecture for resource identifier interoperability, FREE

ISO/IEC 9797-2:2021/Cor 1:2024, Corrigendum, FREE

ISO/IEC 27035-4:2024, Information technology - Information security incident management - Part 4: Coordination, $166.00

ISO/IEC TS 9922:2024, Programming Languages - Technical specification for C++ extensions for concurrency 2, $166.00

ISO/IEC TS 10866:2024, Information technology - Cloud computing and distributed platforms - Framework and concepts for organizational autonomy and digital sovereignty, $124.00

IEC Standards

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

IEC 61937-16 Ed. 1.0 en:2024, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 16: AVSA, $52.00

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

IEC 61076-2-101 Ed. 4.0 b:2024, Connectors for electrical and electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking, $444.00

Fibre optics (TC 86)

IEC 60793-1-40 Ed. 3.0 b:2024, Optical fibres - Part 1-40: Attenuation measurement methods, $303.00

S+ IEC 60793-1-40 Ed. 3.0 en:2024 (Redline version), Optical fibres - Part 1-40: Attenuation measurement methods, $515.00

Instrument transformers (TC 38)

IEC/IEEE 63253-5713-8 Ed. 1.0 en:2024, Station Service Voltage Transformers (SSVT), $444.00

Performance of household electrical appliances (TC 59)

IEC 60456 Ed. 6.0 b:2024, Washing machines for household use - Methods for measuring the performance, $547.00

Power system control and associated communications (TC 57)

IEC 61850-6 Amd.2 Ed. 2.0 b:2024, Amendment 2 - Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs, $483.00

IEC 61850-6 Ed. 2.2 en:2024, Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs, $2682.00

IEC Technical Reports

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

IEC/TR 63482 Ed. 1.0 en Cor.1:2024, Corrigendum 1 - Maintenance of low voltage switchgear and controlgear and their assemblies, $0.00

IEC Technical Specifications

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

IEC/TS 63290 Ed. 1.0 en:2024, Supplementary requirements for intelligent assemblies, $386.00

International Organization for Standardization (ISO)

Call for comment on ISO 26000:2010

Comment Deadline: January 17, 2025

ISO has initiated a systematic review of ISO 26000:2010 – "*Guidance on social responsibility*", which has the following scope statement:

ISO 26000:2010 provides guidance to all types of organizations, regardless of their size or location, on:

- *concepts, terms and definitions related to social responsibility;*
- *the background, trends and characteristics of social responsibility;*
- *principles and practices relating to social responsibility;*
- *the core subjects and issues of social responsibility;*
- *integrating, implementing and promoting socially responsible behaviour throughout the organization and, through its policies and practices, within its sphere of influence;*
- *identifying and engaging with stakeholders; and*
- *communicating commitments, performance and other information related to social responsibility.*

ISO 26000:2010 is intended to assist organizations in contributing to sustainable development. It is intended to encourage them to go beyond legal compliance, recognizing that compliance with law is a fundamental duty of any organization and an essential part of their social responsibility. It is intended to promote common understanding in the field of social responsibility, and to complement other instruments and initiatives for social responsibility, not to replace them.

In applying ISO 26000:2010, it is advisable that an organization take into consideration societal, environmental, legal, cultural, political and organizational diversity, as well as differences in economic conditions, while being consistent with international norms of behaviour.

ISO 26000:2010 is not a management system standard. It is not intended or appropriate for certification purposes or regulatory or contractual use. Any offer to certify, or claims to be certified, to ISO 26000 would be a misrepresentation of the intent and purpose and a misuse of ISO 26000:2010. As ISO 26000:2010 does not contain requirements, any such certification would not be a demonstration of conformity with ISO 26000:2010.

ISO 26000:2010 is intended to provide organizations with guidance concerning social responsibility and can be used as part of public policy activities. However, for the purposes of the Marrakech Agreement establishing the World Trade Organization (WTO), it is not intended to be interpreted as an "international standard", "guideline" or "recommendation", nor is it intended to provide a basis for any presumption or finding that a measure is consistent with WTO obligations. Further, it is not intended to provide a basis for legal actions, complaints, defences or other claims in any international, domestic or other proceeding, nor is it intended to be cited as evidence of the evolution of customary international law.

ISO 26000:2010 is not intended to prevent the development of national standards that are more specific, more demanding, or of a different type.

ANSI is seeking U.S. Stakeholders' input on ISO 26000:2010 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO 26000:2010 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, January 24, 2025.**

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Ports and Terminals

Comment Deadline: December 6, 2024

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Ports and Terminals, with the following scope statement:

Standardization in the field of ports and terminals, covering planning, implementation, operation, upgrading, demolition and repurposing stages. It will include scheduling, design, controlling, monitoring and inspection, optimization of resource allocating, integrated state-of-the-art technology solutions, regardless of scales, types, or transitioning of goods or passengers, whether located on the coastline or inland rivers, aiming to improve efficiency, effectiveness, coordination, working conditions and professions, towards achieving sustainable development of ports and terminals.

Excluded: Relevant work within the scopes of the following committees:

- *Ships and marine technology (ISO/TC 8)*
- *Production, transport and storage facilities for cryogenic liquefied gases (ISO/TC 67/SC 9)*
- *Cranes (ISO/TC 96)*
- *Industrial trucks (ISO/TC 110)*
- *Tourism and related services (ISO/TC 228)*
- *Sustainable cities and communities (ISO/TC 268)*
- *Innovative logistics (ISO/TC 344)*

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 6, 2024.

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.

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

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
01	12/17/2024	12/23/2024	Jan 3	2/2/2025	2/17/2025	3/4/2025
02	12/24/2024	12/30/2024	Jan 10	2/9/2025	2/24/2025	3/11/2025
03	12/31/2024	1/6/2025	Jan 17	2/16/2025	3/3/2025	3/18/2025
04	1/7/2025	1/13/2025	Jan 24	2/23/2025	3/10/2025	3/25/2025
05	1/14/2025	1/20/2025	Jan 31	3/2/2025	3/17/2025	4/1/2025
06	1/21/2025	1/27/2025	Feb 7	3/9/2025	3/24/2025	4/8/2025
07	1/28/2025	2/3/2025	Feb 14	3/16/2025	3/31/2025	4/15/2025
08	2/4/2025	2/10/2025	Feb 21	3/23/2025	4/7/2025	4/22/2025
09	2/11/2025	2/17/2025	Feb 28	3/30/2025	4/14/2025	4/29/2025
10	2/18/2025	2/24/2025	Mar 7	4/6/2025	4/21/2025	5/6/2025
11	2/25/2025	3/3/2025	Mar 14	4/13/2025	4/28/2025	5/13/2025
12	3/4/2025	3/10/2025	Mar 21	4/20/2025	5/5/2025	5/20/2025
13	3/11/2025	3/17/2025	Mar 28	4/27/2025	5/12/2025	5/27/2025
14	3/18/2025	3/24/2025	Apr 4	5/4/2025	5/19/2025	6/3/2025
15	3/25/2025	3/31/2025	Apr 11	5/11/2025	5/26/2025	6/10/2025
16	4/1/2025	4/7/2025	Apr 18	5/18/2025	6/2/2025	6/17/2025
17	4/8/2025	4/14/2025	Apr 25	5/25/2025	6/9/2025	6/24/2025
18	4/15/2025	4/21/2025	May 2	6/1/2025	6/16/2025	7/1/2025
19	4/22/2025	4/28/2025	May 9	6/8/2025	6/23/2025	7/8/2025
20	4/29/2025	5/5/2025	May 16	6/15/2025	6/30/2025	7/15/2025
21	5/6/2025	5/12/2025	May 23	6/22/2025	7/7/2025	7/22/2025
22	5/13/2025	5/19/2025	May 30	6/29/2025	7/14/2025	7/29/2025
23	5/20/2025	5/26/2025	Jun 6	7/6/2025	7/21/2025	8/5/2025
24	5/27/2025	6/2/2025	Jun 13	7/13/2025	7/28/2025	8/12/2025
25	6/3/2025	6/9/2025	Jun 20	7/20/2025	8/4/2025	8/19/2025
26	6/10/2025	6/16/2025	Jun 27	7/27/2025	8/11/2025	8/26/2025
27	6/17/2025	6/23/2025	Jul 4	8/3/2025	8/18/2025	9/2/2025
28	6/24/2025	6/30/2025	Jul 11	8/10/2025	8/25/2025	9/9/2025
29	7/1/2025	7/7/2025	Jul 18	8/17/2025	9/1/2025	9/16/2025

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30	7/8/2025	7/14/2025	Jul 25	8/24/2025	9/8/2025	9/23/2025
31	7/15/2025	7/21/2025	Aug 1	8/31/2025	9/15/2025	9/30/2025
32	7/22/2025	7/28/2025	Aug 8	9/7/2025	9/22/2025	10/7/2025
33	7/29/2025	8/4/2025	Aug 15	9/14/2025	9/29/2025	10/14/2025
34	8/5/2025	8/11/2025	Aug 22	9/21/2025	10/6/2025	10/21/2025
35	8/12/2025	8/18/2025	Aug 29	9/28/2025	10/13/2025	10/28/2025
36	8/19/2025	8/25/2025	Sep 5	10/5/2025	10/20/2025	11/4/2025
37	8/26/2025	9/1/2025	Sep 12	10/12/2025	10/27/2025	11/11/2025
38	9/2/2025	9/8/2025	Sep 19	10/19/2025	11/3/2025	11/18/2025
39	9/9/2025	9/15/2025	Sep 26	10/26/2025	11/10/2025	11/25/2025
40	9/16/2025	9/22/2025	Oct 3	11/2/2025	11/17/2025	12/2/2025
41	9/23/2025	9/29/2025	Oct 10	11/9/2025	11/24/2025	12/9/2025
42	9/30/2025	10/6/2025	Oct 17	11/16/2025	12/1/2025	12/16/2025
43	10/7/2025	10/13/2025	Oct 24	11/23/2025	12/8/2025	12/23/2025
44	10/14/2025	10/20/2025	Oct 31	11/30/2025	12/15/2025	12/30/2025
45	10/21/2025	10/27/2025	Nov 7	12/7/2025	12/22/2025	1/6/2026
46	10/28/2025	11/3/2025	Nov 14	12/14/2025	12/29/2025	1/13/2026
47	11/4/2025	11/10/2025	Nov 21	12/21/2025	1/5/2026	1/20/2026
48	11/11/2025	11/17/2025	Nov 28	12/28/2025	1/12/2026	1/27/2026
49	11/18/2025	11/24/2025	Dec 5	1/4/2026	1/19/2026	2/3/2026
50	11/25/2025	12/1/2025	Dec 12	1/11/2026	1/26/2026	2/10/2026
51	12/2/2025	12/8/2025	Dec 19	1/18/2026	2/2/2026	2/17/2026
52	12/9/2025	12/15/2025	Dec 26	1/25/2026	2/9/2026	2/24/2026

ASME B16.48-20XX
(Revision of ASME B16.48-2015)

Line Blanks

AN AMERICAN NATIONAL STANDARD

The American Society of Mechanical Engineers
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Specific Proposal 6: Add the definitions to B16.48.

2 GENERAL

2.1 Definitions

2.1.1 Figure-8 Blank. A figure-8 blank (also called a spectacle blank) is a pressure-retaining plate with one solid end and one open end connected with a web or tie bar (see Figure 2.1.1-1).

2.1.2 May. A term used to denote permission, neither a requirement nor a recommendation.

2.1.~~2~~3 Paddle Blank. A paddle blank is similar to the solid end of a figure-8 blank. It has a plain radial handle. It is generally used in conjunction with a paddle spacer in large sizes.

2.1.~~3~~4 Paddle Spacer. A paddle spacer is similar to the open end of a figure-8 blank. It has a plain radial handle. It is generally used in conjunction with a paddle blank.

2.1.5 Shall. A term used to denote a requirement.

2.1.6 Should. A term used to denote a recommendation.

Record 23-2265 Rev 0

Update reference standards for upcoming 2024 edition

MANDATORY APPENDIX I
REFERENCES

The following is a list of publications referenced in this Standard. The latest editions of ASME publications are to be used.

ASME B16.5, Pipe Flanges and Flanged Fittings
ASME B16.20, Metallic Gaskets for Pipe Flanges
ASME B46.1, Surface Texture (Surface Roughness, Waviness, and Lay)
Publisher: The American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016-5990 (www.asme.org)

ASTM E29-13, Standard Practice for Using Significant Digits in Test Data to Determine Conformance With Specifications[1]
Publisher: American Society for Testing and Materials (ASTM International), 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 (www.astm.org)

ISO 6708:1995, Pipework components — Definition and selection of DN (nominal size)[1]
ISO 9000:~~2005~~2015, Quality management systems — Funda- mentals and vocabulary[1]
ISO 9001:~~2008~~2015, Quality management systems — Require- ments[1]
ISO 9004:~~2000~~2018, ~~Quality management systems — Guide- lines for performance improvements~~ Quality management - Quality of an organization – Guidance to achieve sustained success[1]
Publisher: International Organization for Standardization (ISO), Central Secretariat, Chemin de Blandonnet 8, Case Postale 401, 1214 Vernier, Geneva, Switzerland (www.iso.org)

[1] May also be obtained from the American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036.

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

NSF/ANSI Standard
for Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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8.3 Sample collection

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8.3.3 Analyses

The samples collected as described in Sections 8.3.1 and 8.3.2 shall be analyzed as follows:

Parameter	Sample type	Sample location		Testing location
		Raw influent	Treated effluent	
BOD_5	24-h composite	X	—	laboratory
$CBOD_5$	24-h composite	—	X	laboratory
total suspended solids (TSS)	24-h composite	X	X	laboratory
pH	grab	X	X	test site
temperature (°C)	grab	X	X	test site
dissolved oxygen (DO)	grab	—	X	test site
alkalinity (as $CaCO_3$)	24-h composite	X	X	laboratory
TKN (as N)	24-h composite	X	X	laboratory
ammonia-N (as N)	24-h composite	X	X	laboratory
nitrite / nitrate-N (as N)	24-h composite	X	X	laboratory

8.3.4 Analytical methods

The appropriate methods in *Standard Methods*[4] shall be used to complete the analyses indicated in Section 8.3.3. For aqueous ammonia analysis, EPA 350.1 is an acceptable alternative.

8.3.5 Pressure and flow

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Rationale: NSF/ANSI 245, Section 8.3.4 identifies the appropriate methods for analytical targets identified in Section 8.3.3. However, the section does not identify any alternative methods for analytical work and that flexibility is desired to accommodate different laboratory instruments. NSF would like to use an alternative ammonia analytical method, EPA 350.1., as an alternative method to SM 4500-NH3, Per 40 CFR §136.3(a), Table IB-List of Approved Inorganic Test Procedures.

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

NSF/ANSI Standard
for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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2 Normative references

~~2.1 Abbreviations~~

~~Common abbreviation~~	~~Meaning~~
~~°C~~	~~degrees Celsius~~
~~CFU~~	~~colony forming unit~~
~~d, mo~~	~~day(s), month(s)~~
~~dBA~~	~~decibel A-weighting~~
~~°F~~	~~degrees Fahrenheit~~
~~ft~~	~~foot / feet~~
~~g~~	~~gram(s)~~
~~gal~~	~~gallon(s)~~
~~h~~	~~hour(s)~~
~~in~~	~~inch(es)~~
~~kg~~	~~kilogram(s)~~
~~L~~	~~liter(s)~~
~~lb~~	~~pound(s)~~
~~m~~	~~meter(s)~~
~~mg~~	~~milligram(s)~~
~~mL~~	~~milliliter(s)~~
~~mm~~	~~millimeter(s)~~
~~MPN~~	~~most probable number~~

~~NTU~~	~~Nephelometric Turbidity Unit~~
~~oz~~	~~ounce(s)~~
~~SU~~	~~standard unit(s)~~
~~wk~~	~~week(s)~~

3 Definitions

Terms used in this standard that have a specific technical meaning are defined in NSF/ANSI 437.

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Rationale: The abbreviations table in Section 2.1 contains duplicate abbreviations of those already in the foreword.

BSR/UL 2278, Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers

1. UL Standards & Engagement is proposing the first edition of the Standard for Megawatt Charging Configured Electric Vehicle Couplers, UL 2278 as an American National Standard and National Standard of Canada.

PROPOSAL

1.1 These requirements cover vehicle connectors and vehicle inlets designated as, and configured as, megawatt charging couplers. These devices are rated up to 1500 Vdc, 3000 A under conditions of continuous use. Vehicle connectors and vehicle inlets may be provided with thermal sensing on contacts or they may be actively cooled, such as with liquid cooling, when operating. These devices are intended for use with conductive DC charging equipment for electric vehicles and intended to facilitate conductive connection from the charging equipment to the vehicle. These devices are for use in either indoor or outdoor, non-classified locations in accordance with National Electrical Code (NEC), NFPA 70 and the Canadian Electrical Code (CE Code), CSA C22.1.

5.3 RATED MAXIMUM CURRENT – The value of current in amperes specified by the manufacturer and which is numerically higher than the rated current. This current value is intended to be used only under conditions of active cooling or dynamic current control. If used for dynamic current control, it is paired with a rated duty cycle for operation.

7.1 The ratings mentioned throughout this standard represent the ampacity and voltage for a device under its conditions of expected use. Expected use includes all operational modes for which a device is intended to be used as specified by the manufacturer. This includes continuous use with no added features for control as described in 7.2, ~~or~~ for use while actively cooled as described in 7.3, or for use while dynamically controlled as described in 7.4.

7.4 Dynamic current control is an operational mode in which the charger actively controls the output current of the charger. In this mode, a rated maximum current is passed through the device. As temperatures on the contacts approach the maximum limit, the charger reduces the output current to maintain contact temperatures below the limit. A device intended for use in a charging system with dynamic current control shall be provided with a means to monitor the temperature of each DC power contact, both DC+ and DC-. The leads from this monitoring means shall be passed through the cable and be available to the charger manufacturer. The device shall be provided with a rated current, which is the rating of the accessory based on conductor sizing and for which no control is needed.

7.5 The devices in all cases will be tested at the rated current value as assigned by the manufacturer. Rated maximum current levels associated with active cooling will be tested based on the manufacturer's specified cooling means provided with the device samples. Rated maximum current level associated with dynamic current control will be tested based on the manufacturer's specified duty cycle. The duty cycle will indicate how long the rated maximum current is to be allowed, followed by what level of current is required during derating.

11.1 For devices intended to be used on a charging system with a grounded system of protection, T~~t~~he requirements of the Section entitled *Grounding Connections* of UL 2251 or CSA C22.2 No. 282 apply, but the bonding/grounding conductors shall be sized based on the rated maximum current rather than the rated current. If the device is not intended to be used with a rated maximum current, the rated current shall apply. The table entitled *Minimum acceptable sizes of grounding conductors* of UL 2251 and CSA C22.2 No. 282 is replaced by Table 11.1 of this standard.

13.1 ~~The requirements of the Section entitled *Cable Secureness Test* of UL 2251 or CSA C22.2 No. 282 apply, but for devices provided with means for active cooling, the coolant lines shall be filled with liquid during this test. There shall be no indication of coolant leakage as a result of this test. Additionally, the table entitled *Cable secureness test values* of UL 2251 and CSA C22.2 No. 282 is revised and replaced with Table 13.1 of this standard.~~ Each of three cable connected devices shall not show any damage to the cable,

the enclosure of live parts, the strain relief means, or the grounding path integrity after a force as specified in Table 13.1 and a torque as specified in Table 13.2 is applied for not less than one minute. For actively cooled device, the coolant lines shall be filled with liquid during this test and there shall be no indication of coolant leakage as a result of this test. After being subjected to the test, there shall also be no axial displacement of the supply conductors, conductor insulation, cooling line (if any), or the outer jacket of the cable from the assembled condition exceeding the maximum allowed displacement as specified in Table 13.1.

Table 13.1

Cable Secureness Force Values

Device rating A	Force N	Maximum displacement Mm (inch)
Up to 1000	750	4.76 (3/16)
1001 – 3000	1000	6.35 (1.4)

Table 13.~~1~~2

Cable Secureness ~~Test~~ Torque Values

Device rating amperes	Torque N·m (ft-lb)	Maximum displacement mm (inches)
15	0.41 (0.3)	2.38 (3/32)
16 – 20	0.54 (0.4)	2.38 (3/32)
21 – 35	0.68 (0.5)	2.38 (3/32)
36 – 70	1.4 (1.0)	2.38 (3/32)
71 – 125	2.7 (2.0)	2.38 (3/32)
126 – 200	5.4 (4.0)	2.38 (3/32)
201 – 400	10.8 (8.0)	4.76 (3/16)
401 - 3000	16.3 (12.0)	4.76 (3/16)

Table 17.1
Short Circuit Test Values

Device rating, kw	Test current, amperes[a]	~~Power factor[c]~~
1.2 – 37.3	5,000[ba]	~~0.70 – 0.80~~
38 – 149	10,000	~~0.70 – 0.80~~
150 – 298	18,000	~~0.25 – 0.30~~

Device rating, kw	Test current, amperes[a]	~~Power factor[c]~~
299 – 447	30,000	~~0.15 or less~~
448 – 480	42,000	~~0.15 or less~~
481 and above	70,000	~~0.15 or less~~

~~[a] Symmetrical rms amperes.~~

~~[b]~~[a] 10,000 amperes at manufacturer's option.

~~[c] Power factor applies to AC rated devices only and lower power factors may be used.~~

BSR/UL 845, Standard for Safety for Motor Control Centers

7. Short Circuit Test Performance

PROPOSAL

~~9.12.3.8 The tests described in Clause 9.12.6.3 for feeders shall be conducted using 1.2 m (4 ft) of cable, sized in accordance with the rating of the device, connected together at the load side of the unit.~~

~~9.12.3.9 The tests described in Clauses 9.12.6.3 for mains shall be conducted with the horizontal bus connected together either with shorting bus or with up to 1.2 m (4 ft) of cable sized to the main breaker rating. If shorting bus is used, the 1.2 m (4 ft) of cable may be on the line side. The 1.2 m (4 ft) of cable shall be in addition to the cable specified in Clause 9.10.8.7.~~

9.12.5.5 A combination motor controller with specified protective device ratings above and below 600 A shall be tested with a 600 A one-time, non-renewable fuse at 10 000 A, and in addition shall be tested in accordance with Clause ~~9.12.6.3~~ 9.23.5.2.

Table 39
Power factors for unit short-circuit tests

(Clauses ~~9.12.6.3,~~ 9.15.1.6, 9.15.5.2, 9.15A.5.2, 9.23.5.2, and A1~~, and A3.6~~)

Test current, amperes[a]	Power factor[b]
10 000 or less	0.70 – 0.80
10 001 – 20 000	0.25 – 0.30
Greater than 20 000	0.15 – 0.20

[a] Symmetrical rms amperes.

[b] Lower power factor circuits than specified may be used.

BSR/UL 924, Standard for Safety for Emergency Lighting and Power Equipment

5. Battery discharge test

PROPOSAL

48 Battery Discharge Test

48.1 Equipment storage batteries shall retain sufficient energy capacity when tested in accordance with this section. The rated load shall be as marked per 73A.2.2~~1(b)~~(1) or 73A.2.2~~1(b)~~(2), as applicable. Compliance shall be determined per method (a), (b), or (c):

a) Battery terminal voltage shall be no less than 87.5% of nominal after the sequence described in 48.6; or,

b) Lumen output shall be no less than 60% of the initial lumen output level after the sequence described in 48.6, as described in 48.3; or,

c) Power output shall be no less than 90% of the initial output power after the sequence described in 48.6, as described in 48.3.1.

Note: Option (b) may be a preferred option for equipment with an integral light source, and option (c) a preferred option for equipment intended to supply a remote light source.

9. Instructions for directly controlled emergency luminaires

PROPOSAL

74.11 The installation instructions for a directly controlled emergency luminaire whose control signal input control is intended to be bypassed under emergency power conditions shall include the following text, or equivalent: “CAUTION: When this luminaire is designated as part of a facility emergency lighting system and supplied by a remote emergency power source, the control input to the luminaire must be disconnected upon loss of normal facility power. Loss of power to ~~T~~the control input ~~is intended to be bypassed and~~will set the luminaire to either full output or a pre-set illumination level complying with the applicable codes and approved by the authority having jurisdiction.”

12. Functional Safety Evaluations

PROPOSAL

23.3 Electronic circuits that activate emergency lighting in response to an external signal (loss of normal power, fire alarm, motion sensor or the like), including loss of a signal, shall be subject to the ELCF Test, Section 47, and shall operate in accordance with 47.2 or issue a derangement signal appropriate for the condition in accordance with 47.7. If these circuits rely upon ~~firmware or software more complex than signal detection (i.e., “on” or “off”),~~ programmable devices they shall be additional evaluated for compliance with UL 60730-1 Annex H.

BSR/UL 1563, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment

Topic 1. Proposed Requirements to Align with ANSI/APSP/ICC-6 2013 (R2023).

PROPOSAL

7A.6 Heaters

7A.6.1 Heaters shall comply to the latest published editions of ANSI-Z21.56 for natural gas application, or UL 1261. Heat pumps shall comply with the latest published edition of UL 1995 or UL 60335-2-40 ~~or ANSI Z21.56~~, as it pertains to heat pumps and be evaluated for the application and listed by a laboratory that has been accredited to the latest published edition of the ISO/IEC 17025 standard.

*Note to Reviewers: ** This second public review is to consider substantive changes made since the initial public review period. Additions that have been introduced since the initial public review are highlighted in blue font and underlined, while deletions are marked in red font with strikethrough.*

ANSI / PLASTICS B151.11 – 2021
Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics

1.3 Applications

1.3.1 Installations

"The requirements of this standard pertaining to construction shall apply to all new, ~~or~~ remanufactured, or existing equipment used for the size reduction of plastics installed in the United States subsequent to the approval of this standard."

5.1 Hierarchy of controls

"The risk reduction measures that are used to reduce risk associated with hazards listed in clause 6 shall be applied on a risk assessment according to the following hierarchy of controls:

1. Elimination through design
2. Substitution
3. Guards and safeguarding devices
4. Awareness devices
5. Training and procedures
6. Information for use
7. Signage
8. Personal protective equipment."

5.1.3 Guards and Safeguarding devices

"Guards, or access doors that shall be removed or opened for regular cleaning or adjustments are examples of guards that shall be interlocked. Hazardous machine functions protected by the guard shall not operate unless the guard is fully closed. If the guard is opened or removed while the machine is operating, power shall be interrupted to stop the hazardous machine elements. When the guard is closed or replaced the machines function protected by the guard can operate, but the closure of the guard shall not by itself initiate the continued operation."

~~5.2.2 Misapplication of information for use~~

Deleted 5.2.2 in its entirety: "~~Information for Use shall not be a substitute for the correct application of inherently safe design measures, safeguarding or complementary risk reduction measures.~~"

5.4.6 Interlocks

"The safety related parts of the control systems shall ~~be in accordance with the required performance levels (PL) as specified~~ meet the risk reduction requirements as per the initial risk in a documented risk assessment."

****Second Limited Public Review: Substantive Changes****

*Note to Reviewers: ** This second public review is to consider substantive changes made since the initial public review period. Additions that have been introduced since the initial public review are highlighted in blue font and underlined, while deletions are marked in red font with strikethrough.*

ANSI / PLASTICS B151.27 – 2021
Safety Requirements for Robot / Injection Molding Machine Systems

5.2 Installation

The robot / IMM system shall be installed in accordance with the specifications of the supplier(s) of all equipment, applicable codes, guidelines, and standards. The user shall develop a plan for the installation of the equipment and the installation shall comply with:

~~a) applicable local, state and federal regulations or the authority having jurisdiction;~~
~~b) NFPA 70E-2018;~~
c) NFPA 79-2018;
d) ANSI/ASSP Z244.1-2016 (R2020);
e) requirements from the supplier(s).

5.2.6 Robot / IMM system SRP/CS interface

The safety-related parts of the control system(SRP/CS) for the robot(s) shall be designed so that they comply with PL=d or better, as described in ANSI/RIA R15.06. Selection of the safety-related performance criteria shall be specifically identified, and appropriate limitations and cautions shall be included in the information for use provided with the affected equipment.

The safety-related parts of the control system (SRP/CS) for the robot(s), IMM(s) and any ancillary equipment shall be interfaced ~~and meet the level of safety performance according to the risk assessment~~. Integration of the individual machine controls shall not reduce the level of safety in the robot / IMM system.

5.3.2.1

Before applying power, the user shall ensure that the ~~robot~~ restricted space (robot, end-effector, and workpiece) is clear of personnel and obstructions and that the following have been verified:

a) robot / IMM system safeguarding;

b) power source connections;
c) robot / IMM system interface connections;
d) ancillary equipment.

6.3 Reset of safeguarding

Reset of the safeguarding function shall comply with NFPA 79-2018, ANSI/RIA R15.06:2011 Part 2, and ANSI B11.19-2019.

6.4 Emergency stop

The emergency stop devices and function shall comply with ISO 13850, NFPA 79-2018, and ANSI B11.19-2019.

6.5 Interruption of power

The system shall be designed and constructed so that recovery from loss or change of mechanical, electric, hydraulic, pneumatic, or vacuum power shall conform to ANSI/PLASTICS B151.1 and ANSI/RIA R15.06- 2012 and shall not result in a hazardous situation.

Restarting the system after the reapplication of power, shall require a deliberate action by the operator which shall take place outside the safeguarded space.

7.3 Training

The user shall ensure that personnel interacting with the system are adequately trained. In accordance with ~~ANSI B11.0-2020.~~ ANSI/RIA R15.06:2012 Part 2 and ANSI /PLASTICS B151.1:2017.