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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.

AMPP (Association for Materials Protection and Performance)

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National Adoption

BSR/AMPP NACE SP0115/ISO 15589-2-202x, Oil and gas industries including lower carbon energy — Cathodic protection of pipeline transportation systems — Part 2: Offshore pipelines (national adoption of ISO 15589-2:2024 with modifications and revision of ANSI/NACE SP0115/ISO 15589-2-2015)

Stakeholders: Offshore pipeline operators, service providers for offshore pipeline, oil and gas operators.

Project Need: AMPP does not have a standard for the CP of offshore pipelines, so by adopting this standard, that gap will be filled.

Interest Categories: User, Producer, General Interest.

This part of ISO 15589 specifies requirements and gives recommendations for the preinstallation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection (CP) systems for offshore pipelines for the petroleum, petrochemical and natural gas industries as defined in ISO 13623. This standard is applicable to carbon steel, stainless steel and flexible pipelines in offshore service; to retrofits, modifications and repairs made to existing pipeline systems; to all types of seawater and seabed environments encountered in submerged conditions; and to risers up to mean water level.

API (American Petroleum Institute)

LaNaya Bankins <bankinsl@api.org> | 200 Massachusetts Avenue | Washington, DC 20001 www.api.org

Revision

BSR/API MPMS Chapter 14.3.1 5th Ed.-202X, Concentric, Square-Edged Orifice Meters – Part 1: General Equations and Uncertainty Guidelines (revision of ANSI/API MPMS 14.3.1-2011 (R2022))

Stakeholders: Hydrocarbon measurement companies, oil extraction lessors, manufacturers of hydrocarbon measurement technology, operators of hydrocarbon measurement technology, hydrocarbon extraction operators, and government agencies.

Project Need: To update the standard to have an accurate reference for the calculation of flow rate through concentric, square-edged, flange-tapped orifice meters, ensuring uniformity and consistency across the industry. To align with industry best practices, ensuring that stakeholders—such as engineers, manufacturers, and operators—have a reliable guide that enhances operational efficiency and compliance with regulatory requirements.

Interest Categories: Manufacturer-Service Supplier, Operator-User, General Interest

This standard provides a single reference for engineering equations, uncertainty estimations, construction and installation requirements, and standardized implementation recommendations for the calculation of flow rate through concentric, square-edged, flange-tapped orifice meters. Both U.S. customary (USC), and international system of units (SI) units are included.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK93516-202x, Reinstatement of E2548-16 Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (Withdrawn 2025) (new standard)

Stakeholders: Criminalistics Industry

Project Need: Reinstatement

Interest Categories: Producer, User, General Interest

1.1 This guide covers minimum considerations for sampling of seized drugs for qualitative and quantitative analysis.

1.2 This guide cannot replace knowledge, skill, or ability acquired through appropriate education, training, and experience and should be used in conjunction with sound professional judgment.

CTA (Consumer Technology Association)

Catrina Akers <cakers@cta.tech> | 1919 South Eads Street | Arlington, VA 22202 www.cta.tech

New Standard

BSR/CTA 2073-A-202x, Guiding Principles of Practice and Transparency for Mobile Health Solutions (new standard)

Stakeholders: Consumers, manufacturers, retailers

Project Need: Revise to update industry references to be the most current industry guidance document.

Interest Categories: User, producer, general interest

Provide a framework for best practices and transparency when developing non-medical mobile health solutions (including both software applications and Health & Fitness Device (HFD)).

CTA (Consumer Technology Association)

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New Standard

BSR/CTA 2125.1-202x, Best Practices and Recommendations for Information Disclosure - Medical Devices (new standard)

Stakeholders: Consumers, manufacturers, retailers

Project Need: To provide additional information for labeling and information disclosure in AI/ML systems, particularly in the context of medical device.

Interest Categories: User, general interest, producer

This standard builds off of CTA 2125, Best Practices and Recommendations for Information Disclosure, and provides comprehensive advice for labeling and information disclosure in AI/ML systems, particularly in the context of medical devices.

CTA (Consumer Technology Association)

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New Standard

BSR/CTA 2135-202x, Performance Verification and Validation for Predictive Health AI Solutions (new standard)

Stakeholders: Consumers, manufacturers, retailers

Project Need: To ensure that AI systems are reliable, safe, and effective before they are released to the market.

Interest Categories: User, general interest, producer

This standard outlines the methodology and requirements of the pre-market/pre-release verification and validation of predictive health AI solutions.

CTA (Consumer Technology Association)

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New Standard

BSR/CTA 2136-202x, Verification and Validation of Operations and Monitoring for Predictive Health AI Solutions (new standard)

Stakeholders: Consumers, manufacturers, retailers

Project Need: To ensure that AI systems continue to perform reliably, safely, and effectively after they have been released to the market.

Interest Categories: User, general interest, producer

This standard outlines the methodology and requirements of the post-mark/post-release verification and validation of operations and monitoring for predictive health AI solutions.

HL7 (Health Level Seven)

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Revision

BSR/HL7 PHRSFM, R2.0.1-202x, HL7 EHRS-FM Release 2.1.1: Personal Health Record System Functional Model, Release 2.0.1 (revision and redesignation of ANSI/HL7 PHRSFM, R2-2021)

Stakeholders: Academic/Research, Association/Government Agency, Healthcare IT Vendors, Healthcare Provider/user, Providers, Regulatory Agency, Standards Development Organizations (SDOs)

Project Need: Update needed to incorporate PHR-S FM as part of the HL7 Standards Families - all supported by the Common HL7 Toolset - in place of the prior custom (and now obsolete) toolset.

Interest Categories: Government/University Vendor Consultant

This standard provides more modern access to the existing Personal Health Record Functional Model Release 2 (PHR-S FM) specification to improve the usefulness and accessibility, using the Common HL7 Toolset. PHR information is expected to be sent, received, or exchanged from multiple systems, including: EHR systems, insurer systems, payer systems, health information exchanges, public health systems, Internet-based health education sites, clinical trials systems, and/or collaborative care systems.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE 60076-57-1202-202x, International Standard - Power Transformers - Part 57-1202: Liquid immersed phase-shifting transformers (revision of ANSI/IEEE 60076-57-1202-2016)

Stakeholders: Electric Utilities, Transmission Companies, Industrial Users and Equipment Manufacturers

Project Need: This revision is needed to maintain and provide necessary updates and corrections to this standard.

Corrections to graphical diagrams and equations will be made. Sections will be amended as needed to provide more detailed information for users of the standard and to improve understanding.

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 document specifies requirements for liquid immersed phase-shifting transformers of all types. The scope excludes transformers with an unregulated phase shift. This document is limited to matters particular to phase-shifting transformers and does not include matters relating to general requirements for power transformers covered in existing standards in the IEC 60076 series or IEEE Std C57.12.00™ and IEEE Std C57.12.10™.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 60880-202x, Nuclear power plants—Instrumentation and control systems important to safety—Software aspects for computer-based systems performing category A functions (new standard)

Stakeholders: The stakeholders are nuclear engineering suppliers, vendors, and utilities, all which have an interest in and are potentially impacted by the software lifecycle processes provided by this standard.

Project Need: By jointly developing this standard with IEC, IEEE will have a defined nuclear-specific software lifecycle, including cyber security. This single standard provides a unified, internally consistent, complete process for design, development, implementation, integration, verification, validation, and maintenance. This process can be considered an alternative to the currently incomplete set of IEEE Software and Systems Engineering Standards Committee (S2ESC) general-purpose software standards endorsed in IEEE Std. 7-4.3.2. Use of the S2ESC standards requires tailoring (i.e., customization) of the standards for nuclear use.

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 requirements for the software of computer-based Instrumentation and control systems of nuclear power plants performing functions of safety category A as defined by IEC (International Electrotechnical Commission) 61226. This standard provides requirements for the purpose of achieving highly reliable software. It addresses each stage of software development and documentation, including requirements specification, design, implementation, verification, validation, and operation.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE 62582-5-202x, International Standard - Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 5: Optical time domain reflectometry (revision of ANSI/IEEE 62582-5-2015)

Stakeholders: Nuclear power plants, other nuclear facilities, condition monitoring process developers, and those entities conducting equipment qualification programs.

Project Need: Condition monitoring methods are an area of great interest for the nuclear industry and the standard needs to reflect today's best practices. IEC/IEEE 60780-323 was published on February 2016, and IEC/IEEE 62582-5 needs to be revised to align with the requirements and definitions of IEC/IEEE 60780-323. Experience gained from usage of IEC/IEEE 62582-1 will be analyzed by the project team and incorporated into the revision of the standard.

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 part of IEC/IEEE 62582 contains methods for condition monitoring of optical fibres and cables in instrumentation and control systems using optical time domain reflectometer (OTDR) measurements in the detail necessary to produce accurate and reproducible results. It includes requirements for the measurement system, conditions, and reporting of measured results. The parts of IEC/IEEE 62582 are measurement standards, primarily for use in the management of ageing during initial qualification and after installation. IEC/IEEE 62582-1 includes requirements for the application of the other parts of IEC/IEEE 62582 and some elements which are common to all methods. Information on the role of condition monitoring for qualification of equipment important to safety is found in IEC/IEEE 60780-323. Detailed measurement methods of attenuation are provided in IEC 61280-4-1 for multimode fibre optic cables and in IEC 61280-4-2 for single-mode fibre optic cables.

IES (Illuminating Engineering Society)

Patricia McGillicuddy <pmcgillicuddy@ies.org> | 85 Broad Street, 17th Floor | New York, NY 10004 www.ies.org

Revision

BSR/IES RP-42-202x, Recommended Practice: Dimming and Control Method Designations (revision of ANSI/IES RP-42-20)

Stakeholders: Lighting practitioners, engineers, manufacturers, system integrators, architects and end-users

Project Need: This RP identifies a standard method of designating dimming methods in design documents.

Interest Categories: Producer (P) Specifier (US) Affected (UA) Public Interest (UP) Academic/Research (GAR)

Government/Regulatory (GGR) Unaffiliated Subject Matter Expert (GSME) Test Equipment User (TEU) Test Equipment Manf (TEM)

This update will include refinement of the list of designations with appropriate additions, deletions, and/or caveats (e.g., Designation applies to Physical Layer, but may not apply to the Application Layer).

LIA (Z136 SDC) (The Laser Institute)

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

Revision

BSR Z136.3-202x, Standard for Safe Use of Lasers in Health Care (revision of ANSI Z136.3-2024)

Stakeholders: Stakeholders include, but are not limited to, health care personnel, clinical providers, ancillary personnel and others, including patients, who use or may be exposed to medical or surgical laser devices in the health care environment. In addition, non-clinical stakeholders include but are not limited to, healthcare policy makers, occupational health and safety professionals, healthcare facility administrators, educators, and professional organizations associated with the medical or surgical use of lasers.

Project Need: User standards and guidelines are needed for the safe use of lasers as diagnostic and therapeutic modalities in health care environments and applications.

Interest Categories: Academia, Department of Defense (DoD), Directly Affected Public, Government (Non-DoD), Government Contractor, Health Care, Industrial/Commerce, Manufacturer, Testing Laboratory/Facility

The standard provides guidance for the safe use of lasers in the health care environment. This guidance addresses the establishment, implementation, and monitoring of programs that promote and support the safe use of lasers in health care. The scope of this standard includes all circumstances when people may be exposed to a laser in use in a health care environment.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 12-202x, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2025)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing

Project Need: Public Interest and Need

Interest Categories: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing. Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. A.1.1.1 Portable carbon dioxide equipment is covered in NFPA 10. The use of carbon dioxide for inerting is covered in NFPA 69. 1.1.1 This standard contains minimum requirements for carbon dioxide fire-extinguishing systems. 1.1.2 This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 12A-202x, Standard on Halon 1301 Fire Extinguishing Systems (revision of ANSI/NFPA 12A-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard contains minimum requirements for total flooding Halon 1301 fire extinguishing systems. It includes only the essentials necessary to make the standard workable in the hands of those skilled in this field. Only those skilled in this work are competent to design, install, maintain, decommission, and remove this equipment. It might be necessary for many of those charged with purchasing, inspecting, testing, approving, operating, and maintaining this equipment to consult with an experienced and competent fire protection engineer to effectively discharge their respective duties. (See Annex C.)

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 36-202x, Standard for Solvent Extraction Plants (revision of ANSI/NFPA 36-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall apply to the commercial scale extraction processing of animal and vegetable oils and fats by the use of Class I flammable hydrocarbon liquids, hereinafter referred to as “solvents.” A.1.1.1 Extraction processes that use flammable liquids but are not within the scope of NFPA 36 might be within the scope of NFPA 30, Flammable and Combustible Liquids Code, and the user is referred to that document for guidance. (See Chapter 3 for definitions of terms, including “extraction process” and “solvent.”) 1.1.2 This standard shall also apply to any equipment and buildings that are located within 30 m (100 ft) of the extraction process. 1.1.3 This standard shall also apply to the unloading, storage, and handling of solvents, regardless of distance from the extraction process. 1.1.4 This standard shall also apply to the means by which material to be extracted is conveyed from the preparation process to the extraction process. 1.1.5 This standard shall also apply to the means by which extracted desolventized solids and oils are conveyed from the extraction process. . . . full scope of standard available at www.nfpa.org/36 for review

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 285-202x, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard provides a test method for determining the fire propagation characteristics of exterior wall assemblies that are constructed using combustible materials or that incorporate combustible components. 1.1.2 The fire propagation characteristics are determined for post-flashover fires of interior origin.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 326-202x, Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair (revision of ANSI/NFPA 326-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall apply to the safeguarding of tanks or containers operating at nominal atmospheric pressure that contain or have contained flammable or combustible liquids or other hazardous substances and related vapors or residues. A.1.1.1 The procedures in this standard can also apply to pressurized tanks or pressurized containers that have been taken out of service and have had their operating pressure reduced to atmospheric pressure and are vented to atmosphere. 1.1.2 This standard shall not apply to tank vehicles or tank cars; tanks, bunkers, or compartments on ships or barges or in a shipyard; gas plant equipment or gas distribution systems for natural or manufactured gas; or compressed or liquefied gas cylinders. A.1.1.2 Procedures for making some of the tanks and containers listed in 1.1.2 safe are covered separately in the following publications: (1) AGA, Purging Principles and Practices ;(2) ANSI Z117.1, standard Safety Requirements for Confined Spaces; (3) API 1631, Interior Lining and Periodic Inspection of Underground Storage Tanks; (4) API 2009, Safe Welding, Cutting, and Hot Work Practices in the Petroleum and Petrochemical Industries; (5) API 2015, Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks; (6) API 2016, Guidelines....

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 329-202x, Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases (revision of ANSI/NFPA 329-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This recommended practice provides methods for responding to fire and explosion hazards resulting from the release of a flammable or combustible liquid, gas, or vapor that can migrate to a subsurface structure. 1.1.2 Although this recommended practice is intended to address only fire and explosion hazards, other authorities should be consulted regarding the environmental and health impacts and other hazardous conditions of such releases. 1.1.3 This recommended practice outlines options for detecting and investigating the source of a release, for mitigating the fire and explosion hazards resulting from the release, and for tracing the release back to its source. 1.1.4 The options outlined in this recommended practice are not intended to be, nor should they be considered to be, all inclusive or mandatory in any given situation. If better or more appropriate alternative methods are available, they should be used. 1.1.5 The procedures outlined in this recommended practice can apply to hazardous substances other than flammable and combustible liquids that might have adverse human health effects. However, the physical characteristics of the specific hazardous substance released must be understood before any action is taken. (See also 1.1.2.) A.1.1.5 Guidance regarding maximum acceptable....

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 410-202x, Standard on Aircraft Maintenance (revision of ANSI/NFPA 410-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. The scope of this standard is as follows: (1) This standard covers the minimum requirements for fire safety to be followed during aircraft maintenance and does not include the health and safety requirements for personnel involved in aircraft maintenance. (2) The operations covered include the following: (a) Maintenance of electrical systems; (b) Maintenance of oxygen systems; (c) Fuel tank repairing, cleaning, painting, and paint removal; (d) Welding operations in hangars; (e) Interior cleaning; (f) Refurbishing operations (3) This standard also covers requirements for fire protection of aircraft ramp areas.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 501A-202x, Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities (revision of ANSI/NFPA 501A-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard shall cover fire safety requirements for the installation of manufactured homes and manufactured home sites, including accessory buildings, structures, and communities.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 600-202x, Standard for Facility Fire Brigades (revision of ANSI/NFPA 600-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard contains minimum requirements for organizing, operating, training, and equipping facility fire brigades for response to fires in industrial, commercial, institutional, and similar properties. 1.1.2 This standard provides minimum requirements for the occupational safety and health of facility fire brigade members while performing firefighting and related response activities. 1.2 Purpose. The purpose of this standard is to provide minimum requirements for organization, operation, training, and occupational safety and health for facility fire brigades.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 601-202x, Standard for Security Services In Fire Loss Prevention (revision of ANSI/NFPA 601-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall apply to the selection, requirements, duties, and training of security personnel who will perform fire loss prevention duties. 1.1.2 It shall cover the following three categories of security services: (1) Protection of the property, including times when management is not present (2) Access and egress control into and within the confines of the protected property (3) Carrying out procedures for the orderly conduct of various operations at the property.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 660-202x, Standard for Combustible Dusts and Particulate Solids (revision of ANSI/NFPA 660-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard addresses the fire, flash fire, and explosion hazards of combustible dusts and particulate solids. 1.1.1 This standard also addresses all metals and alloys that are in a form that is capable of combustion or explosion, as well as other hazards, in accordance with the scope of Chapter 12. 1.1.2 This standard also addresses the size reduction of sulfur and the handling of sulfur in any form, as well as other hazards entailed in processing sulfur, in accordance with the scope of Chapter 14. . . see www.nfpa.org/660 for complete scope of standard

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 804-202x, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 804-2025)

Stakeholders: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard applies only to advanced light water reactor electric generating plants and provides minimum fire protection requirements to ensure safe shutdown of the reactor, minimize the release of radioactive materials to the environment, provide safety to life of on-site personnel, limit property damage, and protect continuity of plant operation. The fire protection is based on the principle of defense-in-depth. For plants that have adopted a risk-informed, performance based approach to fire protection, subsequent changes to the fire protection program shall be made in accordance with NFPA 806, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 805-202x, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 805-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard specifies the minimum fire protection requirements for existing light water nuclear power plants during all phases of plant operation, including shutdown, degraded conditions, and decommissioning.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 806-202x, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process (revision of ANSI/NFPA 806-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard provides minimum requirements for a risk-informed, performance-based change process for the fire protection program for advanced nuclear reactor electric generating plants during construction and all phases of plant operation, including shutdown, degraded conditions, and decommissioning. Fundamental fire protection elements for advanced nuclear reactor electric generating plants can be found in NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants. A.1.1 This standard covers advanced light water reactors, advanced heavy water reactors, advanced gas-cooled reactors, advanced liquid metal reactors, or any and all types of advanced reactors. Advanced nuclear reactor designs include water-cooled reactors [light water and heavy water reactors (LWR/HWRs)], fast reactors [liquid metal fast reactors (LMFRs)], and gas-cooled reactors [graphite moderated high temperature gas-cooled reactors (HTGRs)]. Excluded are existing light water reactors. The fundamental elements of a fire protection program, including administrative controls, fire protection features, and so forth, can be found in NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 853-202x, Standard for the Installation of Stationary Fuel Cell Power Systems (revision of ANSI/NFPA 853-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall apply to the design, construction, and installation of stationary fuel cell power systems. 1.1.2 The scope of this document shall include the following: (1) A singular prepackaged, self-contained power system unit; (2) Any combination of prepackaged, self-contained power system units; (3) Power system units comprising two or more factory-matched modular components intended to be assembled in the field; (4) Engineered and field-constructed power systems that employ fuel cells.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 909-202x, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This code describes principles and practices of protection for cultural resource properties (including, but not limited to, museums, libraries, and places of worship), their contents, and collections, against conditions or physical situations with the potential to cause damage or loss. 1.1.2 This code covers ongoing operations and rehabilitation and acknowledges the need to preserve culturally significant and character-defining building features and sensitive, often irreplaceable, collections and to provide continuity of operations. 1.1.3 Principles and practices for life safety in cultural resource properties are outside the scope of this code. Where this code includes provisions for maintaining means of egress and controlling occupant load, it is to facilitate the evacuation of items of cultural significance, allow access for damage limitation teams in an emergency, and prevent damage to collections through overcrowding or as an unintended consequence of an emergency evacuation. A.1.1.3 Cultural resource properties should comply with the provisions of NFPA 101, Life Safety Code. 1.1.4 Library and museum collections that are privately owned and not open to the public shall not be required to meet the requirements of this code.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 2001-202x, Standard on Clean Agent Fire Extinguishing Systems (revision of ANSI/NFPA 2001-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard contains minimum requirements for the design, installation, approval, and maintenance of total-flooding and local-application fire-extinguishing systems that use one of the gaseous agents in Table 1.1.1. Table 1.1.1 Agents Addressed in NFPA 2001 {see Table 1.1.1 in NFPA 10}. 1.1.2 The scope of this standard does not include fire-extinguishing systems that use carbon dioxide or water as the primary extinguishing media, which are addressed by other NFPA documents.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 2010-202x, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2025)

Stakeholders: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Project Need: Public Interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE) Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard contains the requirements for the design, installation, operation, testing, and maintenance of condensed and dispersed aerosol fire-extinguishing systems for total flooding applications. 1.1.2 This standard also covers performance requirements and methods of testing for condensed aerosol systems, dispersed aerosol systems, and associated components.

NRMCA (National Ready Mixed Concrete Association)

Julian Mills-Beale <jmills-beale@nrmca.org> | 66 Canal Center Plaza, Suite 250 | Alexandria, VA 22314 <https://www.nrmca.org/>

Revision

BSR/NRMCA 100-202X, Prescriptive Design of Exterior Concrete Walls for One- and Two-Family Dwellings (revision of ANSI/NRMCA 100-2023)

Stakeholders: Real estate, consumer, insurance, environmental.

Project Need: This project is being initiated for general updates and revisions to the existing standard.

Interest Categories: Users - code officials, engineers, architects, designers, building officials Producers - concrete producers, builders and contractors General interest - Researchers, academics, students, geotechnical engineers, environmentalists, insurance and risk analysts.

NRMCA 100 provides a prescriptive approach to the design of concrete footings, foundation walls, and above-grade walls, both load bearing and non-load bearing, intended primarily for use in detached one- and two-family dwellings. The standard is a resource to architects, engineers, and designers.

OPEI (Outdoor Power Equipment Institute)

Greg Knott <gknott@opei.org> | 1605 King Street | Alexandria, VA 22314 www.opei.org

New Standard

BSR/OPEI 1-202x, Standard for Digital Marking and Electronic Accessibility of Regulatory Compliance Information (new standard)

Stakeholders: Original equipment manufacturers, component suppliers, consumer users, retailers, and government agencies interested in on-product regulatory compliance markings and information.

Project Need: A standardized digital regulatory compliance marking and database scheme will provide confidence that regulators and end users have a consistent and streamlined point of access to the products regulatory compliance information through a universal digital marking. This standard establishes requirements for making digitally available a products safety, emissions, and other legal and regulatory information through a single digital marking, such as a QR code on a label, and a publicly accessible on-line database.

Interest Categories: OEM Producers, Supplier Producers, Consumer Users, Retailers, Testing Organizations, Government Agencies and General Interests

This standard establishes requirements for making digitally available product safety, emissions, and other regulatory and compliance information. The standard includes requirements for a digital regulatory compliance marking, including a standardized regulatory compliance symbol, format, location and durability. The standard additionally establishes requirements for the digital format and display of the regulatory compliance information via a mobile device or computer. The standard is applicable to finished consumer products and components that may be subject to on-product regulatory and compliance labeling (marking) and informational requirements.

ULSE (UL Standards & Engagement)

Johnny Hall <johnny.hall@ul.org> | 12 Laboratory Drive | Research Triangle Park, NC 27709-3995 <https://ulse.org/>

New Standard

BSR/UL 669-202x, Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids (new standard)

Stakeholders: Regulators Oil/Gas Industry Fuel Distributors

Project Need: ULSE is harmonizing the Canadian standard CAN/ULC S669 with the American Outline of Investigation UL 1856 to create a US/Canada national standard to support regulators and industry stakeholders.

Interest Categories: General Producer Testing/Standards Org Supply Chain AHJ/Regulator Government Commercial/Industrial Users

This Standard provides minimum requirements for nonmetallic internal retrofit systems intended for field installation in underground tanks for the storage of flammable and combustible liquids. These retrofit systems are nonmetallic thermoset (such as fibre reinforced plastic [FRP], epoxy, polyurethane [PUR] or polyesters) or thermoplastic (such as polyethylene [PE]) materials that may or may not be bonded to the interior tank wall of the host tank, depending upon the system type. These products typically use prefabricated sections with coatings applied on site, or homogeneous or layered spray- on/roll-on materials applied on site, and may optionally cover minor repair prior to the installation of a retrofit system, and the installation of bulkheads to the host tank.

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: March 16, 2025

ACCA (Air Conditioning Contractors of America)

1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | david.bixby@acca.org, www.acca.org

Revision

BSR/ACCA 1 Manual D-202x, Residential Duct Systems (revision of ANSI/ACCA 1 Manual D-2016)
Manual D provides requirements and calculations for sizing residential HVAC duct systems, including return and supply ducts & registers, to distribute the correct amount of heating and cooling to each room based on the Manual J load calculation results. This second public review draft only addresses additional modifications based on comments received on the first ANSI public review period dated February 23, 2024.

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

Send comments (copy psa@ansi.org) to: <https://www.acca.org/public-review-form1311>

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i151r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2023)

The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

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

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

Comment Deadline: March 16, 2025

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 20000, Evanston, IL 60201 | Susan.P.Malohn@ul.org, <https://ulse.org/>

New Standard

BSR/UL 3001-202x, Standard for Safety for Distributed Energy Resource Systems (new standard)

(1) Revisions to the Proposed First Edition of the Standard for Safety for Distributed Energy Resource Systems, UL 3001, including applicable requirements for Canada. The Standard requirements provide a means for evaluation of a Distributed Energy Resource System (DER system) as a system and consider hazards associated with the interaction between sources and interaction with external energy sources such as an area EPS and other DER systems.

[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)

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

Revision

BSR/UL 962-202x, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962-2024)

This proposal covers: (1) Addition of UL 62368-1 to C4.3 and C4.4; (2) Deletion of 86.47.

[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: March 31, 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 210/ASHRAE 51-202x, Laboratory Methods of Testing Fans for Aerodynamic Performance Rating (revision of ANSI/AMCA 210-2016, ANSI/ASHRAE 51-2016)

This standard establishes uniform test methods for a laboratory test of a fan or other air-moving device to determine its aerodynamic performance in terms of airflow rate, pressure developed, power consumption, air density, speed of rotation and efficiency for rating or guarantee purposes.

Single copy price: \$90.00 for AMCA non-members; free for AMCA members

Obtain an electronic copy from: Document@amca.org

Send comments (copy psa@ansi.org) to: Joseph Brooks <jbrooks@amca.org>

Comment Deadline: March 31, 2025

ASABE (American Society of Agricultural and Biological Engineers)

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

New Standard

BSR/ASABE S644 MONYEAR-202x, Design of Electromagnetic Radiation Systems for Plants (new standard)
This standard establishes appropriate performance criteria for designs of electromagnetic radiation systems intended for horticultural applications. This standard requires a minimum set of criteria and recommends optional, advanced criteria. This standard also provides methodologies to compare the anticipated plant responses and energy performance among alternative devices and installed systems when applied to diverse horticultural operations.

Single copy price: Free

Obtain an electronic copy from: wall@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S642.1 MONYEAR (R202x), Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (reaffirmation and redesignation of ANSI/ASABE S642-SEPT2018 (R2024))

This document describes methods for measurement and testing of electromagnetic radiation sources, both passively cooled and actively cooled, with a spectral range between 280 nm and 800 nm, used for plant growth and development. These methods are necessary to obtain information about device characteristics and long-term change behaviors. This document is intended to cover LED as well as non-LED sources such as Incandescent, Fluorescent, High Intensity Discharge (HID) including High Pressure Sodium (HPS), Metal Halide (MH), or other sources used for plant growth and development.

Single copy price: Free

Obtain an electronic copy from: wall@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASAE S422.2 MONYEAR-202x, Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (revision and redesignation of ANSI/ASAE S422.1-2015 (R2024))

The purpose of this Standard is to establish a list of standard descriptive elements for use in erosion- and sediment-control plan development. These elements consist of mapping symbols, keys, modifiers, and corresponding nomenclature. By improving consistency across plans, this Standard should facilitate the use and review of such plans by contractors and other professionals.

Single copy price: Free

Obtain an electronic copy from: walsh@asabe.org

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

Comment Deadline: March 31, 2025

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170s-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)

Proposed Addendum s revises portions of Sections 7 & 8 to provide clarity of intent and/or correlate elements (indicated below) of the current standard. Addendum s also follows the continuing maintenance process in further coordination with the FGI Infection Preventionist team and 170 committee to result in a coordinated document for use by all stakeholders in the Healthcare Community. This proposed addendum consists of the following general edits: Add footnotes to Examination type spaces in Tables 7-1, 8-1, and 8-2 regarding patients with undiagnosed gastrointestinal symptoms, undiagnosed respiratory symptoms, or undiagnosed skin symptoms.

Single copy price: \$35.00

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

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B601-202x, Sodium Metabisulfite (revision of ANSI/AWWA B601-2017)

This standard describes the use of sodium metabisulfite ($\text{Na}_2\text{S}_2\text{O}_5$) in the treatment of potable water, wastewater, and reclaimed water.

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 B602-202x, Copper Sulfate (revision of ANSI/AWWA B602-2017)

This standard describes copper sulfate for use in the treatment of potable water, wastewater, or reclaimed water.

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: March 31, 2025

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C519-202x, High-Performance Waterworks Butterfly Valves-3 In. (75 mm) Through 60 In. (1,500 mm) (revision of ANSI/AWWA C519-2018)

This standard establishes minimum requirements for high-performance butterfly valves, 3 in. (75 mm) through 60 in. (1,500 mm) in diameter, with various body and end types, for raw water, potable water, reclaimed water, and wastewater having a pH range from 6 to 12 and a temperature range from 33°-125° F (0.6°-51.6° C). This standard covers three pressure ratings for high-performance butterfly valves suitable for maximum steady-state fluid working and differential pressures of 150 psig (1,034 kPa), 275 psig (1,896 kPa), and 500 psig (3,447 kPa), and maximum pipeline fluid velocity ranges of 16 ft/s (4.9 m/s), 24 ft/s (7.3 m/s), and 35 ft/s (10.7 m/s). The scope of carbon steel and stainless-steel valves includes all sizes, classes, and body styles. The scope of ductile-iron valves includes all sizes in wafer and lugged-wafer bodies. The flanged ductile-iron body scope includes 3 in. (75 mm) through 60 in. (1,500) for classes 150B, 150C, and 150D; 3 in. (75 mm) through 48 in. (1,200) for classes 275B, 275C, and 275D; and 3 in. (75 mm) through 24 in. (600 mm) for classes 500B, 500C, and 500D. 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)

FCI (Fluid Controls Institute)

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

Revision

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

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

Single copy price: Free

Obtain an electronic copy from: fci@fluidcontrolsinstitute.org

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

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V26 IG CCHD, R1-2020 (R202x), HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1 (reaffirmation and redesignation of ANSI/HL7 V26 IG CCHD, R1-2020)

This implementation guide focuses on standardizing on how CCHD newborn screening information is transmitted from a point-of-care device to an interested consumer, such as public health.

Single copy price: Free with no-cost license

Obtain an electronic copy from: lynn@hl7.org

Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

Comment Deadline: March 31, 2025

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V26 IG EHDl, R1-2020 (R202x), HL7 Version 2.6 Implementation Guide: Early Hearing Detection and Intervention (EHDl), Release 1 (reaffirmation and redesignation of ANSI/HL7 V26 IG EHDl, R1-2020)

This guide focuses on standardizing on how newborn hearing screening information is transmitted from a point-of-care device to an interested consumer, such as public health.

Single copy price: Free with no-cost license

Obtain an electronic copy from: lynn@hl7.org

Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

HSI (Healthcare Standards Institute)

3004 Sea Pines Place, League City, TX 77573 | lwebster@ingenesis.com, www.hsi.health/

New Standard

BSR/HSI 2400-202x, Healthcare Organization Management -Blockchain Management and Security of Physician and Surgeon Credentials - Requirements (new standard)

This Standard is designed as a tool to that will improve the health and well-being of consumers by facilitating an engaged and available physician who has more time to spend with them at each encounter. This standard will improve the quality of life for physicians and surgeons by eliminating mindless repetitive paperwork and providing a secure repository for their documents accessible only to those authorized to review them. This standard will improve the efficiency of medical staff offices, insurance companies and governmental payers and sponsors such as employers and labor unions. This standard will hope licensing authorities provide a less expensive and more respectful process to those they regulate.

Single copy price: \$175.00

Obtain an electronic copy from: info@hsi.health

Send comments (copy psa@ansi.org) to: Lee Webster, info@hsi.health

ISEA (ASC Z87) (International Safety Equipment Association)

1101 Wilson Boulevard, Suite 1425, Arlington, VA 22209 | djones@safetysafetyequipment.org, www.safetysafetyequipment.org

Revision

BSR ISEA Z87.1-202x, Occupational and Educational Personal Eye and Face Protection Devices (revision of ANSI ISEA Z87.1-2020)

This standard provides minimum requirements for protectors as devices to minimize or prevent eye and face injuries. This standard sets forth criteria related to the requirements, testing, permanent marking, selection, care, and use of protectors to minimize the occurrence and severity or prevention of injuries from such hazards as impact, non-ionizing radiation and liquid splash exposures in occupational and educational environments including, but not limited to, machinery operations, material welding and cutting, chemical handling, and assembly operations.

Single copy price: Free

Obtain an electronic copy from: standards@safetysafetyequipment.org

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

Comment Deadline: March 31, 2025

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

New Standard

BSR/NECA 500-202X, Standard for Installing and Maintaining Indoor Commercial Lighting Systems (new standard)

Products and Applications Included. This Standard describes installation and maintenance procedures for permanently installed incandescent, halogen, fluorescent, LED, and high-intensity discharge (HID) lighting systems operating at 1,000 Volts or less installed indoors and commonly used in commercial and retail buildings, including, but not necessarily limited to, the following: Recessed lighting systems, such as troffers, downlights, wallwashers, valance lights, and accent lights. Surface-mounted lighting systems, such as surface troffers, wraparounds, surface downlights, monopoints, and decorative fixtures. Suspended lighting systems, such as pendant luminaires, direct, indirect, and uplight systems, and decorative luminaires. Wall-mounted lighting systems, such as sconces or wallpacks. Track lighting systems. Power over Ethernet (PoE) lighting systems. In addition to luminaires, this Standard includes construction materials related to luminaires, including, but not necessarily limited to, lamps, conductors, wiring methods, various special screws and clips, and structural suspension components.

Single copy price: \$30.00 (Members); \$60.00 (Non-members)

Obtain an electronic copy from: neis@necanet.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR C136.49-2021 (R202x), Standard for Roadway and Area Lighting Equipment - Plasma Lighting (reaffirmation of ANSI C136.49-2021)

This standard defines the electrical and mechanical requirements of plasma-type light sources for use in roadway and area lighting luminaires.

Single copy price: \$79.00

Obtain an electronic copy from: karen.willis@nema.org

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

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 303-202x, Standard for Hanging and Bracing of Fire Suppression Systems (new standard)

This standard shall provide the minimum requirements for the hanging, bracing, support, and anchorage of components and devices for fire suppression systems covered within this standard. Performance-based design of hanging, bracing, support, and anchorage of components and devices for fire suppression systems shall be permitted.

Obtain an electronic copy from: www.nfpa.org/200Next

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

Comment Deadline: March 31, 2025

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 25-202x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2023)

1.1 Scope. This document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire protection systems and the actions to undertake when changes in occupancy, use, process, materials, hazard, or water supply that potentially impact the performance of the water-based system are planned or identified.

Obtain an electronic copy from: www.nfpa.org/25Next

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

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 770-202x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2023)

This standard provides fire protection and fire-life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. This standard establishes minimum requirements for each of the identified facilities. This standard does not apply to the following structures: (1) Parking garages; (2) Bus terminals; (3) Truck terminals; and (4) Any other structure in which motor vehicles are stored, repaired, maintained, or parked

Obtain an electronic copy from: www.nfpa.org/502Next

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

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 1850-202x, Standard on Protective Ensembles for Structural and Proximity Firefighting and Self-Contained Breathing Apparatus (SCBA) (revision, redesignation and consolidation of ANSI/NFPA 1851-2020 and ANSI/NFPA 1852-2019)

This standard shall specify the following: (1) The minimum selection, care, and maintenance requirements for structural firefighting protective ensembles and proximity firefighting protective ensembles, and the individual ensemble elements that include garments, helmets, gloves, footwear, and interface components that are certified as compliant with previous editions of NFPA 1971 and NFPA 1971 as incorporated in the 2024 edition of NFPA 1970. (2) Verification requirements of independent service providers (ISPs), manufacturers, and organizations for inspection, advanced cleaning, and repair services for structural firefighting and proximity firefighting protective garments certified as compliant with previous editions of NFPA 1971 and NFPA 1971 as incorporated in the 2024 edition of NFPA 1970. (3) Optional requirements for detergents, other cleaning agents, sanitizers, disinfectants, advanced cleaning or sanitizing machines, and advanced cleaning or sanitizing processes for their effective use for cleaning or sanitization of structural firefighting and proximity firefighting protective garments and hoods certified as compliant with previous editions of NFPA 1971 and NFPA 1971 as incorporated in the 2024 edition of NFPA 1970. (4) Optional requirements for detergents, other cleaning agents, sanitizers, disinfectants, advanced cleaning or sanitizing machines, and advanced cleaning....

Obtain an electronic copy from: www.nfpa.org/1850next

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

Comment Deadline: March 31, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 987-2020 (R202x), Standard for Stationary and Fixed Electric Tools (reaffirmation of ANSI/UL 987-2020) Reaffirmation and continuance of the 8th Edition of the Standard for UL Standard for Safety for Stationary and Fixed Electric Tools, UL 987, as a standard.

Single copy price: Free

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

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

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL RP 121203 (R202x), Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 121203-2021)

(1) Reaffirmation and continuance of the Second Edition of the Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations, UL RP 121203, as a standard.

Single copy price: Free

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

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 325-202x, ANSI/CAN/UL Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2023)

The following is being recirculated for review: (1) Variable speed drives with primary rechargeable battery back-up; (2) Conducting UL 325 End-Use Dielectric Voltage-Withstand Test; (3) Battery-powered applications; (4) Definitions for DOOR and GATE; (5) Gate warning sign placard locations; (6) 4.13 Inherent Entrapment Protection System – Definition Clarification; (7) Pedestrian gates and gate operators; (8) 32.3 Relocation of Additional Features Requirements for Gate Operators; (9) 32.1.25 Marking Requirement for Gate Operators – Add to New 63.4.2.1.

Single copy price: Free

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

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

Comment Deadline: March 31, 2025

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC | akhira.watson@ul.org, <https://ulse.org/>

Revision

BSR/UL 414-202x, Standard for Meter Sockets (revision of ANSI/UL 414-2024)

A proposed revision of UL 414, Standard for Meter Sockets, which includes the following: (1) Switching device requirements, (2) Short-circuit closing angle, (3) Correlation of Supplement SB and SC Requirements, (4) Removable housing members, (5) Voltage update to Paragraph SB7.2.5, (6) Electronic marking and instructions, (7) Power control system for load control, (8) Editorial update: Removal of Appendix A.

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>

VITA (VMEbus International Trade Association (VITA))

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

Reaffirmation

BSR/VITA 40-2020 (R202x), Service and Status Indicator Standard (reaffirmation of ANSI/VITA 40-2020)

This standard defines the colors, behaviors, placement, and labeling of service and status indicator lamps for boards, field replaceable units, and enclosures.

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

Reaffirmation

BSR/VITA 47.0-2019 (R202x), Construction, Safety, and Quality for Plug-In Modules Standard (reaffirmation of ANSI/VITA 47.0-2019)

The VITA 47 group of standards defines environmental, design and construction, safety, and quality requirements for commercial-off-the-shelf (COTS) Plug-In Modules intended for ground and aerospace applications.

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

Reaffirmation

BSR/VITA 67.0-2019 (R202x), Coaxial Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 67.0-2019)

This standard establishes a structure for implementing blind mate analog coaxial interconnects with VPX backplanes and plug-in modules, and to define a specific family of interconnects and configurations within that structure.

Single copy price: \$100.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: March 31, 2025

VITA (VMEbus International Trade Association (VITA))

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

Reaffirmation

BSR/VITA 67.1-2019 (R202x), Coaxial Interconnect on VPX - 4-Position SMPM Configuration (reaffirmation of ANSI/VITA 67.1-2019)

This standard details the configuration and interconnect within the structure of VITA 67.0 enabling a VITA 46 interface containing multi-position blind-mate analog connectors with up to 4 SMPM contacts.

Single copy price: \$100.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: April 15, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 6200-2019 (R202x), Standard for Safety for Controllers for Use in Power Production (reaffirmation of ANSI/UL 6200-2019)

Reaffirmation and continuance of the 1st Edition of the Standard for Controllers for Use in Power Production, UL 6200, as an standard.

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

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

Technical Reports Registered with ANSI

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

New Technical Report

AAMI/ISO TIR10993-33:2025, Biological evaluation of medical devices - Part 33: Guidance on tests to evaluate genotoxicity - Supplement to ISO 10993-3 (technical report)

There are differences between the views of regulatory bodies on the subject of genotoxicity testing. The purpose of this Technical Report is to provide background information to facilitate the selection of tests and guidance on the performance of tests.

Technical Reports Registered with ANSI

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Reaffirmation

ASC X9 TR 43-2014 (R2025), Remittance Glossary (reaffirmation of technical report X9 TR-43-2014)

This technical report consists of a glossary of terms associated with business-to-business payment methods and payment remittance data that can be exchanged. Business-to-business payments represent the settlement of the buyer's financial obligations for the seller's provision of goods and services. Payment remittance data refers to information that explains what a payment is for and may accompany the payment or be provided separately. Remittance data may be exchanged directly between a buyer and a seller and may be delivered by or flow through other entities or parties before reaching the ultimate user of the remittance data.

Send comments (copy psa@ansi.org) to: Ambria Calloway <ambria.frazier@x9.org>

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Reaffirmation

ASC X9 TR 44-2013 (R2025), Remittance Standards Inventory (reaffirmation of technical report X9 TR-44-2013)

The Remittance Standards Inventory is intended to be a current, comprehensive inventory of relevant business-to-business (B2B) payment remittance standards. The intended audience of this payments remittance catalog includes B2B solution and service providers, and the corporations and organizations that must make use of these standards or implementations to facilitate the efficient reconciliation of their payments and remittance data.

Send comments (copy psa@ansi.org) to: Ambria Calloway <ambria.frazier@x9.org>

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Reaffirmation

TR 42-2014 (R2025), Core Adjustment Reason Codes (reaffirmation of technical report X9 TR-42-2014)

The primary purpose of this Technical Report is to convey the developers' intentions for the use of adjustment reason code values in business-to-business transactions. This technical report is available in electronic form as an aid to improve the corporate purchase-to-pay process. It may be used by buyers to assist in selecting appropriate adjustment reason codes to explain deductions, discounts, and adjustments taken for a purchase. It may also be used by sellers in reconciling payments received when deductions, discounts, and adjustments are applied.

Send comments (copy psa@ansi.org) to: Ambria Calloway <ambria.frazier@x9.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

HL7 (Health Level Seven)

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

ANSI/HL7 V3 COMT, R3-2010 (R2020), HL7 Version 3 Standard: Shared Messages, Release 3 (reaffirmation of ANSI/HL7 V3 COMT, R3-2010 (R2015))

Send comments (copy psa@ansi.org) to: Questions may be directed to: Lynn Laakso <lynn@hl7.org>

Final Actions on American National Standards

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

ASA (ASC S12) (Acoustical Society of America)

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

ANSI/ASA S12.43-1997 (R2025), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions (reaffirmation of ANSI/ASA S12.43-1997 (R2020)) Final Action Date: 2/10/2025 | *Reaffirmation*

ANSI/ASA S12.44-1997 (R2025), Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level (reaffirmation of ANSI/ASA S12.44-1997 (R2020)) Final Action Date: 2/10/2025 | *Reaffirmation*

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.20-1983 (R2025), Estimating Air Blast Characteristics for Single Point Explosions in Air, with a Guide to Evaluation of Atmospheric Propagation and Effects (reaffirmation of ANSI/ASA S2.20-1983 (R2020)) Final Action Date: 2/10/2025 | *Reaffirmation*

ANSI/ASA S2.22-1998 (R2025), Resonance Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.22-1998 (R2020)) Final Action Date: 2/10/2025 | *Reaffirmation*

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

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

ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 90.4-2022, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022) Final Action Date: 1/31/2025 | *Addenda*

ANSI/ASHRAE Addendum c to Standard 145.2-2016, Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices (addenda to ANSI/ASHRAE Standard 145.2-2016) Final Action Date: 2/5/2025 | *Addenda*

ANSI/ASHRAE/ASHE Addendum m to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 1/31/2025 | *Addenda*

ANSI/ASHRAE/ASHE Addendum n to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 1/31/2025 | *Addenda*

ANSI/ASHRAE/ASHE Addendum o to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 1/31/2025 | *Addenda*

ANSI/ASHRAE Standard 29-2024, Method of Testing Automatic Ice Makers (revision of ANSI/ASHRAE Standard 29-2015 (R2018)) Final Action Date: 1/31/2025 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E3201-2025, Guide for Extension of Data for Fire-Resistive Joint System Tests Conducted in Accordance with ASTM E1966 (new standard) Final Action Date: 1/21/2025 | *New Standard*

ANSI/ASTM E108-2025, Test Methods for Fire Tests of Roof Coverings (revision of ANSI/ASTM E108-2024) Final Action Date: 1/21/2025 | *Revision*

ANSI/ASTM F1447-2025, Specification for Helmets Used in Recreational Bicycling or Roller Skating (revision of ANSI/ASTM F1447-2018) Final Action Date: 1/28/2025 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C225-2020 (R2025), Fused Polyolefin Coatings for Steel Water Pipe (reaffirmation of ANSI/AWWA C225-2020) Final Action Date: 2/10/2025 | *Reaffirmation*

ANSI/AWWA C223-2025, Fabricated Steel and Stainless-Steel Tapping Sleeves (revision of ANSI/AWWA C223-2019) Final Action Date: 2/10/2025 | *Revision*

DirectTrust™ (DirectTrust.org, Inc.)

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

ANSI/DS2019-01-200-2025, XDR and XDM for Direct Secure Messaging Specification (new standard) Final Action Date: 2/4/2025 | *New Standard*

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 Series 28000-2025, Qualification for Inspectors of Cured In Place Pipe (CIPP) Rehabilitations (new standard) Final Action Date: 2/10/2025 | *New Standard*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 1616.1-2025, Standard for Data Storage Systems for Automated Driving (new standard) Final Action Date: 2/5/2025 | *New Standard*

ISA (International Society of Automation)

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

ANSI/ISA 67.04.01-2018 (R2025), Setpoints for Nuclear Safety-Related Instrumentation (reaffirmation of ANSI/ISA 67.04.01-2018) Final Action Date: 2/10/2025 | *Reaffirmation*

NEMA (ASC C50) (National Electrical Manufacturers Association)

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

ANSI NEMA MG 00001-2024, Motors and Generators (revision and redesignation of ANSI NEMA MG 1-2022) Final Action Date: 2/6/2025 | *Revision*

PDA (Parenteral Drug Association)

Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814 | roberts@pda.org, www.pda.org

ANSI/PDA Standard 03-2025, Standard Practice for Quality Risk Management of Aseptic Processes (new standard) Final Action Date: 2/5/2025 | *New Standard*

PSAI (Portable Sanitation Association International)

1601 Utica Avenue South, Suite 213, Minneapolis, MN 55416 | veronicac@ewald.com, www.psa.org

ANSI/PSAI Z4.3-2025, Sanitation - Nonsewered Waste Disposal Systems at Places of Employment - Minimum Requirements (revision of ANSI/PSAI Z4.3-2016) Final Action Date: 2/6/2025 | *Revision*

ANSI/PSAI Z4.4-2025, Sanitation - Nonsewered Waste Disposal Systems: Use by the General Public - Minimum Requirements (revision of ANSI/PSAI Z4.4-2016) Final Action Date: 2/6/2025 | *Revision*

SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

6 Corporate Drive, Suite 650, Shelton, CT 06484 | bosowiecki@saami.org, www.saami.org

ANSI/SAAMI Z299.4-2025, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Rifle Ammunition for the Use of Commercial Manufacturers (revision of ANSI/SAAMI Z299.4-2015) Final Action Date: 2/10/2025 | *Revision*

SPRI (Single Ply Roofing Industry)

60 Hickory Drive, Suite 6100, Waltham, MA 02451 | info@spri.org, www.spri.org

ANSI/SPRI RD-1-2025, Performance Standard for Retrofit Roof Drains (revision of ANSI/SPRI RD-1-2019) Final Action Date: 2/10/2025 | *Revision*

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60210 | alan.t.mcgrath@ul.org, <https://ul.se.org/>

ANSI/UL 60691-2024, Thermal-Links - Requirements and Application Guide (national adoption of IEC 60691 with modifications and revision of ANSI/UL 60691-2019) Final Action Date: 12/27/2024 | *National Adoption*

ANSI/UL 199-2025, Standard for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2024) Final Action Date: 2/4/2025 | *Revision*

ANSI/UL 347-2025, Standard for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2022) Final Action Date: 2/3/2025 | *Revision*

ANSI/UL 499-2025, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2023) Final Action Date: 2/4/2025 | *Revision*

ANSI/UL 746S-2025, Standard for Safety for Evaluation of Sustainable Polymeric Materials for Use in Electrical Equipment (revision of ANSI/UL 746S-2023) Final Action Date: 2/5/2025 | *Revision*

ANSI/UL 1453-2025, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (revision of ANSI/UL 1453-2018 (R2023)) Final Action Date: 2/5/2025 | *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.

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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.

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

NRMCA - National Ready Mixed Concrete Association

March 15, 2025 11:59 pm Application Deadline

NRMCA 100 – 202X, Standard for Prescriptive Design of Exterior Concrete Walls for One- and Two-Family Dwellings (Revision of NRMCA 100-2023)

The National Ready Mixed Concrete Association (NRMCA) is seeking members to join the consensus committee for the next edition of NRMCA 100 Prescriptive Design of Exterior Concrete Walls for One- and Two-Family Dwellings.

NRMCA 100 provides a prescriptive approach to the design of concrete footings, foundation walls, and above-grade walls, both load bearing and non-load bearing, intended primarily for use in detached one- and two-family dwellings. The standard benefits architects, engineers, and designers.

The standard committee's objectives include review of the existing standard, incorporation of industry best knowledge and practices, alignment to the current load and design requirements of ASCE 7 and addressing industry construction challenges or concerns.

Interest categories being sought are: 1) User groups such as architects, engineers, contractors, home builders; 2) Producers of concrete materials and products; 3) General Interest groups such as educators, researchers, representatives of regulatory agencies, and technical societies

The deadline for application is March 15, 2025 at 11:59 pm Eastern Time. For further enquiries or to apply, contact:

Julian Mills-Beale, PhD

Director, Civil/Structural Codes and Standards
National Ready Mixed Concrete Association (NRMCA)
66 Canal Center Plaza, Suite 250, Alexandria, VA, 22314
p: (484) 633-7452
e: standardsdev@nrmca.org
www.nrmca.org

ANSI Accredited Standards Developer

NWRA (ASC Z245) - National Waste & Recycling Association Equipment Technology & Operations for Wastes & Recyclable Materials

NWRA is actively seeking participation in the following standards development work and in all interest categories, which includes:

ANS Z245 Equipment Technology and Operations for Wastes and Recyclable Materials, The approved scope of the ANS Z245 Committee's standards activities encompasses requirements for the design, manufacture, installation, modification, servicing, maintenance and use of equipment and systems used to collect, contain, transport, store, process, recycle, treat and dispose of solid wastes and recyclable materials. It also includes the operations of facilities and activities in which these equipment and technologies are incorporated:

Interest Category: manufacturer, user, general interest, distributor or dealer, labor, and regulatory agency. To apply or obtain additional information please contact Kirk Sander at ksander@wasterecycling.org. For more information, see <https://wasterecycling.org/ans-z245-standards/>

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | Kelly.Heitman@ampp.org, www.ampp.org

BSR/AMPP NACE SP0115/ISO 15589-2-202x, Oil and gas industries including lower carbon energy - Cathodic protection of pipeline transportation systems - Part 2: Offshore pipelines (national adoption of ISO 15589-2:2024 with modifications and revision of ANSI/NACE SP0115/ISO 15589-2-2015)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S642.1 MONYEAR (R202x), Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (reaffirmation and redesignation of ANSI/ASABE S642-SEPT2018 (R2024))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S644 MONYEAR-202x, Design of Electromagnetic Radiation Systems for Plants (new standard)

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 2073-A-202x, Guiding Principles of Practice and Transparency for Mobile Health Solutions (new standard)

Interest Categories: CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness Wellness Committee are particularly interested in adding new members (called “users”) who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a “general interest”).

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 2125.1-202x, Best Practices and Recommendations for Information Disclosure - Medical Devices (new standard)

Interest Categories: CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called “users” who acquire AI from those who create them) as well as those with a general interest.

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 2135-202x, Performance Verification and Validation for Predictive Health AI Solutions (new standard)

Interest Categories: CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called "users" who acquire AI from those who create them) as well as those with a general interest.

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 2136-202x, Verification and Validation of Operations and Monitoring for Predictive Health AI Solutions (new standard)

Interest Categories: CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called “users” who acquire AI from those who create them) as well as those with a general interest.

FCI (Fluid Controls Institute)

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

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

HSI (Healthcare Standards Institute)

3004 Sea Pines Place, League City, TX 77573 | lwebster@ingenesis.com, www.hsi.health/

BSR/HSI 2400-202x, Healthcare Organization Management -Blockchain Management and Security of Physician and Surgeon Credentials - Requirements (new standard)

IES (Illuminating Engineering Society)

85 Broad Street, 17th Floor, New York, NY 10004 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES RP-42-202x, Recommended Practice: Dimming and Control Method Designations (revision of ANSI/IES RP-42-20)

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

BSR C136.49-2021 (R202x), Standard for Roadway and Area Lighting Equipment - Plasma Lighting (reaffirmation of ANSI C136.49-2021)

NRMCA (National Ready Mixed Concrete Association)

66 Canal Center Plaza, Suite 250, Alexandria, VA 22314 | jmills-beale@nrmca.org, <https://www.nrmca.org/>

BSR/NRMCA 100-202X, Prescriptive Design of Exterior Concrete Walls for One- and Two-Family Dwellings (revision of ANSI/NRMCA 100-2023)

NSF (NSF International)

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

BSR/NSF 14-202x (i151r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2023)

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI 1-202x, Standard for Digital Marking and Electronic Accessibility of Regulatory Compliance Information (new standard)

ULSE (UL Standards & Engagement)

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

BSR/UL 669-202x, Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 40-2020 (R202x), Service and Status Indicator Standard (reaffirmation of ANSI/VITA 40-2020)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 47.0-2019 (R202x), Construction, Safety, and Quality for Plug-In Modules Standard (reaffirmation of ANSI/VITA 47.0-2019)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 67.0-2019 (R202x), Coaxial Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 67.0-2019)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 67.1-2019 (R202x), Coaxial Interconnect on VPX - 4-Position SMPM Configuration (reaffirmation of ANSI/VITA 67.1-2019)

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

Approval of Accreditation – ASD

MBMA - Metal Building Manufacturers Association

Effective February 3, 2025

ANSI's Executive Standards Council has approved the **MBMA - Metal Building Manufacturers Association**, a new ANSI member in 2024, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on MBMA -sponsored American National Standards, effective **February 3, 2025**. For additional information, please contact: Vincent Sagan, Metal Building Manufacturers Association (MBMA) | 1300 Sumner Avenue, Cleveland, OH 44115-2851 | (216) 343-1275, vsagan@mbma.com

Approval of Reccreditation – ASD

SPRI - Single Ply Roofing Industry

Effective February 4, 2025

The reccreditation of **SPRI - Single Ply Roofing Industry** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on SPRI-sponsored American National Standards, effective **February 4, 2025**. For additional information, please contact: Linda King, Single Ply Roofing Industry (SPRI) | 60 Hickory Drive, Suite 6100, Waltham, MA 02451 | (781) 647-7026, info@spri.org

Public Review of Revised ASD Operating Procedures

ASME - American Society of Mechanical Engineers

Comment Deadline: March 17, 2025

The **American Society of Mechanical Engineers**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ASME-sponsored American National Standards, under which it was last reccredited in 2023. As the revisions appear to be substantive in nature, the reccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Terrell Henry, American Society of Mechanical Engineers (ASME) | 150 Clove Road, Little Falls, NJ 07424 | (212) 591-8489, henryt@asme.org

To view/download a copy of the revisions during the public review period, [click here](#)

Please submit any public comments on the revised procedures to ASME by **March 17, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthomps@ANSI.org)

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

A3 - Association for Advancing Automation

February 2025

Meeting Details:

The following meetings of the A3 - Association for Advancing Automation will be held as follows.

Meeting Format: In-person Meeting, with virtual connection if possible

Location: Sheraton Ann Arbor Hotel, 3200 Boardwalk Dr, Ann Arbor, MI 48108

Meeting Host/Sponsor: A3

Local Time Zone: Eastern Time (ET)

ANSI-Accredited Standards Committees: Joint meeting of **R15.06, Industrial Robot Safety**, and **R15.08, Industrial Mobile Robot Safety**, together with our Canadian colleagues on **CSA Z434, Safety of Industrial Robots & Robot Systems**

Purpose: Work on Part 3s, developed cooperatively; briefly, discuss plan for U.S. and Canadian national adoptions of the new 10218 Parts 1 and 2 (2025 editions)

Day/Date/Time: Monday, Feb 24, 2025, 1:00 PM – Wednesday, Feb 26, 2025, 5:00 PM (ET)

ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety

Purpose: Gain full committee input on TR 1006

Day/Date/Time: Thursday, Feb 27, 2025, 8:30 AM – 12:00 Noon (ET)

ANSI-Accredited Standards Committee: U.S. TAG to ISO TC 299, Robotics

Purpose: Discuss aspects of TAG governance; prepare for June 2025 Plenary of TC 299

Day/Date/Time: Thursday, Feb 27, 2025, 1:30 PM - 5:00 PM (ET)

ANSI-Accredited Standards Committee: R15 Standards Approval Committee (SAC)

Purpose: Discuss updates to the R15 Procedures, and planned standards to be balloted in 2024

Day/Date/Time: Friday, Feb 28, 2025, 8:30 AM – 12:00 Noon (ET)

For inquiries regarding the meetings listed above, please contact: Carole Franklin, cfranklin@automate.org, or the general standards team inbox, standards@automate.org.

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ADA (Organization) - American Dental Association

March 10-12, 2025 ADA Standards Meetings in New York

Registration is now open for the ADA Standards Program Meetings! The ADA Standards Program will hold its Spring 2025 meetings on March 10-12, in New York City, New York. The meeting will open on Monday, March 10, at 8:00 am with an Opening Orientation. Working groups will meet throughout Monday, March 10 and Tuesday, March 12. The reception will be held on Monday, March 10 at 5:00pm. The complete schedule is attached.

All meetings are free and open to all but require advance registration. This will NOT be a hybrid meeting, attendance will be in-person only.

Please visit the link below to register:

[Register Here](#)

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.

AAMI

Association for the Advancement of
Medical Instrumentation
901 N Glebe Road Suite 300
Arlington, VA 22203
www.aami.org
Rosewinter Kodzwa
rkodzwa@aami.org

ACCA

Air Conditioning Contractors of America
1520 Belle View Boulevard, #5220
Alexandria, VA 22307
www.acca.org
David Bixby
david.bixby@acca.org

AMCA

Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004
www.amca.org
Joseph Brooks
jbrooks@amca.org

AMPP

Association for Materials Protection and
Performance
15835 Park Ten Place
Houston, TX 77084
www.ampp.org
Kelly Heitman
Kelly.Heitman@ampp.org

API

American Petroleum Institute
200 Massachusetts Avenue
Washington, DC 20001
www.api.org
Lanaya Bankins
bankinsl@api.org

ASA (ASC S12)

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

ASA (ASC S2)

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

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>
Britni Wall
wall@asabe.org

Jean Walsh
walsh@asabe.org

ASC X9

Accredited Standards Committee X9,
Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
www.x9.org

Ambria Calloway
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ASHRAE

American Society of Heating, Refrigerating
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180 Technology Parkway
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ASTM

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Laura Klineburger
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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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CTA

Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
www.cta.tech
Catrina Akers
cakers@cta.tech

DirectTrust™

DirectTrust.org, Inc.
1629 K Street NW, Suite 300
Washington, DC 20006
www.DirectTrust.org
Taylor Gaunt
taylor.gaunt@directtrust.org

FCI

Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
www.fluidcontrolsinstitute.org
Leslie Schraff
fci@fluidcontrolsinstitute.org

HL7

Health Level Seven
455 E. Eisenhower Parkway, Suite 300
#025
Ann Arbor, MI 48108
www.hl7.org
Lynn Laakso
lynn@hl7.org

HSI

Healthcare Standards Institute
3004 Sea Pines Place
League City, TX 77573
www.hsi.health/
Lee Webster
lwebster@ingenesis.com

IAPMO (ASSE Chapter)

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

Terry Burger
standards@iapmostandards.org

IEEE

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org

Suzanne Merten
s.merten@ieee.org

IEEE

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

Teresa Belmont
t.belmont@ieee.org

IES

Illuminating Engineering Society
85 Broad Street, 17th Floor
New York, NY 10004
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

ISA (Organization)

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

Eliana Brazda
ebrazda@isa.org

ISEA (ASC Z87)

International Safety Equipment Association
1101 Wilson Boulevard, Suite 1425
Arlington, VA 22209
www.safetysafetyequipment.org

Diana Jones
djones@safetysafetyequipment.org

LIA (Z136 SDC)

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

John McCormack
jmccormack@lia.org

NECA

National Electrical Contractors Association
1201 Pennsylvania Avenue, Suite 1200
Washington, DC 20004
www.neca-neis.org

Jeff Noren
Jeff.Noren@NECAnet.org

NEMA (ASC C136)

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

Karen Willis
Karen.Willis@nema.org

NEMA (ASC C50)

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

Michael Leibowitz
mike.leibowitz@nema.org

NFPA

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

Dawn Michele Bellis
dbellis@nfpa.org

NRMCA

National Ready Mixed Concrete
Association
66 Canal Center Plaza, Suite 250
Alexandria, VA 22314
https://www.nrmca.org/

Julian Mills-Beale
jmills-beale@nrmca.org

NSF

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789 N. Dixboro Road
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www.nsf.org

Monica Milla
mmilla@nsf.org

OPEI

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

Greg Knott
gknott@opei.org

PDA

Parenteral Drug Association
Bethesda Towers, 4350 East-West
Highway, Suite 600
Bethesda, MD 20814
www.pda.org

Christine Alston-Roberts
roberts@pda.org

PSAI

Portable Sanitation Association
International
1601 Utica Avenue South, Suite 213
Minneapolis, MN 55416
www.psa.org

Veronica Crosier
veronicac@ewald.com

SAAMI

Sporting Arms and Ammunition
Manufacturers Institute
6 Corporate Drive, Suite 650
Shelton, CT 06484
www.saami.org

Brian Osowiecki
bosowiecki@saami.org

SPRI

Single Ply Roofing Industry
60 Hickory Drive, Suite 6100
Waltham, MA 02451
www.spri.org

Linda King
info@spri.org

ULSE

UL Standards & Engagement
100 Queen Street, Suite 1040
Ottawa, Canada, ON <https://ulse.org/>

Jacob Stewart
Jacob.Stewart@ul.org

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ULSE

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Derrick.L.Martin@ul.org

Marcia Kawate
Marcia.M.Kawate@ul.org

VITA

VMEbus International Trade Association
(VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
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 the USNC/IEC team at ANSI's New York offices (usnc@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

Agricultural food products (TC 34)

ISO/DIS 2825, Spices and condiments - Preparation of a ground sample for analysis - 4/18/2025, \$29.00

Aircraft and space vehicles (TC 20)

ISO/DIS 19683, Space systems - Design qualification and acceptance tests of small spacecraft and units - 4/18/2025, \$155.00

ISO/DIS 20256, Space systems - Solar cells - Calibration procedures - 4/20/2025, \$155.00

ISO/DIS 31915-3, Aircraft ground support equipment - General requirements - Part 3: Vibration measurement methods and reduction - 4/24/2025, \$62.00

Biological evaluation of medical and dental materials and devices (TC 194)

ISO/DIS 10993-3, Biological evaluation of medical devices - Part 3: Evaluation of genotoxicity, carcinogenicity, reproductive toxicity, and developmental toxicity - 4/28/2025, \$112.00

Building construction machinery and equipment (TC 195)

ISO/DIS 18651, Building construction machinery and equipment - Internal vibrators for concrete - Vocabulary and commercial specifications - 4/26/2025, \$67.00

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

ISO/DIS 22367, Medical laboratories - Application of risk management to medical laboratories - 4/26/2025, \$146.00

Dentistry (TC 106)

ISO/DIS 9680, Dentistry - Operating lights - 4/24/2025, \$88.00

Environmental management (TC 207)

ISO/DIS 14025, Environmental statements and programmes for products - Environmental product declarations (EPDs) - 4/27/2025, \$107.00

ISO/DIS 14092, Adaptation to climate change - Requirements and guidance on adaptation planning for local governments and communities - 4/25/2025, \$112.00

ISO/DIS 14064-5, Greenhouse gases - Part 5: Guidance on activities and techniques used remotely in conducting verification and validation of greenhouse gas statements - 4/26/2025, \$46.00

Ergonomics (TC 159)

ISO/DIS 9241-130, Ergonomics of human-system interaction - Part 130: User assistance within interactive systems - 4/28/2025, FREE

ISO/DIS 9241-222, Ergonomics of human-system interaction - Part 222: Self-assessment of human-centred design approach - 4/27/2025, \$82.00

Fire safety (TC 92)

ISO/DIS 13571-3, Life-threatening components of fire - Part 3: Guidelines for the estimation of time to compromised tenability and escape capability from exposure to smoke toxicants, Method B - 4/26/2025, \$93.00

Gas cylinders (TC 58)

ISO 14245:2021/DAmD 1, - Amendment 1: Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing - Amendment 1 - 4/25/2025, \$58.00

ISO/DIS 19016.2, Gas cylinders - Cylinders and tubes of composite construction - Modal acoustic emission (MAE) testing for periodic inspection and testing - 10/13/2023, \$93.00

Glass in building (TC 160)

ISO/DIS 10292, Glass in building - Determination of thermal transmittance (U value) - Calculation method - 4/26/2025, \$71.00

Graphical symbols (TC 145)

ISO/DIS 17724, Graphical symbols - Vocabulary - 4/27/2025, \$40.00

Industrial trucks (TC 110)

ISO/DIS 22915-8, Industrial trucks - Verification of stability - Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated - 4/25/2025, \$40.00

Information and documentation (TC 46)

ISO/DIS 9984, Information and documentation - Transliteration of Georgian characters into Latin characters - 4/26/2025, \$33.00

ISO/DIS 9985, Information and documentation - Transliteration of Armenian characters into Latin characters - 4/26/2025, \$33.00

Mechanical testing of metals (TC 164)

ISO/DIS 148-4, Metallic materials - Charpy pendulum impact test - Part 4: Part 4: Testing of miniature Charpy - type V-notch test pieces - 4/26/2025, \$46.00

Natural gas (TC 193)

ISO/DIS 24835-1, Natural gas upstream area - Determination and calculation of shale brittleness index - Part 1: Determination of shale mineral characteristics based on X-Ray diffraction method - 4/11/2025, \$88.00

Optics and optical instruments (TC 172)

ISO/DIS 11145, Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols - 4/27/2025, \$77.00

Petroleum products and lubricants (TC 28)

ISO/DIS 4259-2, Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test - 5/1/2025, \$82.00

Powder metallurgy (TC 119)

ISO/DIS 4491-3, Metallic powders - Determination of oxygen content by reduction methods - Part 3: Hydrogen-reducible oxygen - 5/1/2025, \$53.00

Road vehicles (TC 22)

ISO/DIS 17978-3, Road vehicles - Service-oriented vehicle diagnostics (SOVD) - Part 3: Application programming interface (API) - 4/24/2025, \$203.00

ISO/DIS 23150-11, Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 11: Radar specific interfaces - 4/11/2025, FREE

ISO/DIS 23150-12, Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 12: Lidar specific interfaces - 4/11/2025, FREE

Rubber and rubber products (TC 45)

ISO/DIS 16947, Natural rubber latex concentrate - Determination of zinc oxide stability time (ZST) - 5/1/2025, \$46.00

(TC 334)

ISO/DIS 33400, Reference materials - Selected terms and definitions - 4/28/2025, \$53.00

Traditional Chinese medicine (TC 249)

ISO/DIS 24976, Traditional Chinese Medicine - Pueraria lobata root - 4/26/2025, \$71.00

ISO/DIS 25003, Traditional Chinese medicine - Gentiana scabra, Gentiana manshurica, and Gentiana triflora root and rhizome - 4/26/2025, \$67.00

Water quality (TC 147)

ISO/DIS 13647, Water quality - Enumeration of culturable microorganisms - Colony count by spread plate inoculation on R2A medium - 4/27/2025, \$58.00

ISO/DIS 22032, Water quality - Determination of polybrominated diphenyl ethers (PBDE) in sediment, suspended (particulate) matter and biota - Method using gas chromatography-tandem mass spectrometry or high resolution mass spectrometry (GC-MS/MS; HRMS) - 5/1/2025, \$98.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23000-22/DAMd 1, - Amendment 1: Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 1: Implementation based technologies for MIAF - 4/26/2025, \$40.00

ISO/IEC DIS 25706, Information technology - Security protocol and data model (SPDM) collection - 4/26/2025, \$203.00

ISO/IEC DIS 6048-2, Information technology - JPEG AI learning-based image coding system - Part 2: Profiling - 4/26/2025, \$53.00

ISO/IEC DIS 6048-3, Information technology - JPEG AI learning-based image coding system - Part 3: Reference software - 5/1/2025, \$71.00

ISO/IEC DIS 18181-2, Information technology - JPEG XL image coding system - Part 2: File format - 5/1/2025, \$71.00

ISO/IEC DIS 30134-2, Information technology - Data centres key performance indicators - Part 2: Power usage effectiveness (PUE) - 4/26/2025, \$102.00

Other

ISO/IEC DIS 17024, Conformity assessment - General requirements for bodies operating certification of persons - 4/26/2025, \$88.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1138/FDIS, IEC 63522-10 ED1: Electrical relays - Tests and measurements - Part 10: Heating, 03/21/2025

94/1139/FDIS, IEC 63522-5 ED1: Electrical relays - Tests and Measurements - Part 5: Insulation resistance, 03/21/2025

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

46C/1309/CDV, IEC 62783-2 ED2: Twinax cables for digital communications - Part 2: Family specification - Cable for Ethernet-over-twinax physical interfaces, 05/02/2025

46F/699(F)/FDIS, IEC 63185 ED2: Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method, 02/28/2025

Documentation and graphical symbols (TC 3)

3D/424/ED, IEC 61360-C00173: Circuit-breaker in modular form, 03/21/2025

3D/425/ED, IEC 61360-C00176: Harmonize the different BLOCKS for "identification of product" in the IEC CDD, 04/04/2025

3/1702/NP, PNW 3-1702 ED1: Intelligent information request and delivery - A process model for the exchange of information for use, 03/07/2025

Electric cables (TC 20)

20/2225/CDV, IEC 60245-6 ED3: Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 6: Arc welding electrode cables, 05/02/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1030/CDV, IEC 61851-23-1 ED1: <p>Electric vehicle conductive charging system - Part 23-1: DC Charging with an automatic connection system</p>, 05/02/2025

Electrical accessories (TC 23)

23K/117/CDV, IEC 63402-2-2 ED1: Energy efficiency systems - Smart grid - Customer energy management systems - Interface between the home/building CEM and resource manager(s) - Data model and messaging, 05/02/2025

23B/1565/CD, IEC 63578-1 ED1: Prosumer plugs and prosumer inlets for household and similar purposes - Part 1: General requirements, 05/02/2025

Electrical apparatus for explosive atmospheres (TC 31)

31/1846/CDV, IEC 60079-29-0 ED1: Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 04/04/2025

Electrical equipment in medical practice (TC 62)

62B/1376/CD, IEC 60601-2-44 ED4: Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography, 05/02/2025

62D/2201/CDV, IEC 80601-2-30 ED3: Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers, 05/02/2025

62D/2202(F)/CDV, ISO 12487 ED1: Respiratory equipment – Clinical investigation of clinical thermometers, 04/04/2025

62D/2211/CDV, ISO 80601-2-13/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation, 05/02/2025

62C/942/NP, PNW 62C-942 ED1: Medical electrical equipment - Functional performance characteristics for X-ray-based image-guided radiotherapy equipment, 04/04/2025

Electrical installations of buildings (TC 64)

64/2743/CDV, IEC 60364-8-81 ED1: Low-voltage electrical installations - Part 8-81: Functional aspects - Energy efficiency, 05/02/2025

Electrostatics (TC 101)

101/729/NP, PNW TS 101-729 ED1: Electrostatics - Part 2-4: Measurement methods - Electrostatic discharge characterisation of non-metals, 05/02/2025

Fibre optics (TC 86)

86A/2534/CDV, IEC 60794-1-125 ED1: Optical fibre cables - Part 1-125: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Ripcord functional test, Method E25, 05/02/2025

86A/2532/CDV, IEC 60794-1-126 ED1: Optical fibre cables - Part 1-126: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Galloping, Method E26, 05/02/2025

86A/2533/CDV, IEC 60794-1-131 ED1: Optical fibre cables - Part 1-131: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Microduct inner clearance test, Method E31, 05/02/2025

86B/5015/CD, IEC 61754-38 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 38: Type SEN connector family, 04/04/2025

Fire hazard testing (TC 89)

89/1601/CDV, IEC 60695-2-10 ED4: Fire hazard testing - Part 2 -10: Glowing/Hot-wire based test methods - Glow-wire apparatus and common test procedure, 05/02/2025

89/1604/CD, Fire hazard testing - Part 2-22: Glowing/hot-wire based test methods - Results of the round robin tests for the development of IEC TS 60695-2-21:2023 Ed.1, 05/02/2025

Flat Panel Display Devices (TC 110)

110/1736/FDIS, IEC 62629-62-12 ED1: 3D displays - Part 62-12: Measurement methods for virtual-image type - Image Quality, 03/21/2025

Industrial-process measurement and control (TC 65)

65B/1279/CDV, IEC 62828-1 ED2: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 1: General procedures for all types of transmitters, 04/04/2025

65B/1280/CDV, IEC 62828-2 ED2: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 2: Specific procedures for pressure transmitters, 04/04/2025

Insulating materials (TC 15)

15/1045(F)/FDIS, IEC 60684-3-282 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving - Stress control, 02/28/2025

Insulators (TC 36)

36A/255/FDIS, IEC/IEEE 65700-19-03 ED2: Bushings for DC application, 03/21/2025

Lamps and related equipment (TC 34)

34/1294(F)/CDV, IEC 62386-351 ED1: Digital addressable lighting interface - Part 351: Particular requirements - Control devices - Luminaire-mounted control devices, 04/25/2025

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1146/CD, IEC 62238 ED2: Maritime navigation and radiocommunication equipment and systems - VHF radiotelephone equipment incorporating Class "D" Digital Selective Calling (DSC) - Methods of testing and required test results, 04/04/2025

Measuring relays and protection equipment (TC 95)

95/586/CD, IEC 60255-21 ED1: Measuring relays and protection equipment - Part 21: Vibration, shock, bump and seismic tests requirements, 04/04/2025

Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (TC 106)

106/686/CDV, IEC/IEEE 62209-1528/AMD1 ED1: Amendment 1 - Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz), 05/02/2025

Nuclear instrumentation (TC 45)

45B/1081/DTS, IEC TS 62461 ED1: Radiation protection instrumentation - Determination of uncertainty in measurement, 04/04/2025

Performance of household electrical appliances (TC 59)

59L/287/CD, IEC 60619 ED3: Electrically operated food preparation appliances - Methods for measuring the performance, 04/04/2025

59F/518(F)/CDV, IEC 60704-2-1 ED5: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for dry vacuum cleaners, 04/25/2025

Power capacitors (TC 33)

33/718/CDV, IEC 60358-1 ED2: Coupling capacitors and capacitor dividers - Part 1: General rules, 05/02/2025

Power electronics (TC 22)

22F/809/CDV, IEC 62747/AMD2 ED1: Amendment 2 - Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems, 05/02/2025

Power system control and associated communications (TC 57)

57/2750/CDV, IEC 61850-7-410 ED3: Communication networks and systems for power utility automation - Part 7-410: Basic communication structure - Hydroelectric power plants - Communication for monitoring and control, 05/02/2025

Primary cells and batteries (TC 35)

35/1583/CD, IEC TR 60086-7 ED1: Coin/lithium button cell saline soak test simulating cell ingestion, 05/02/2025

Printed Electronics (TC 119)

119/534/FDIS, IEC 62899-302-6 ED1: Printed electronics - Part 302-6: Equipment - Inkjet - First Drop Measurement, 03/21/2025

Rotating machinery (TC 2)

2/2231/CD, IEC 60034-18-31 ED3: Rotating electrical machines - Part 18-31: Functional evaluation of insulation systems - Test procedures for form-wound windings - Thermal evaluation and classification of insulation systems used in rotating machines, 04/04/2025

Safety of household and similar electrical appliances (TC 61)

61C/928(F)/FDIS, IEC 60335-2-118 ED2: Household and similar electrical appliances - Safety - Part 2-118: Particular requirements for professional ice-cream makers, 02/28/2025

61/7387/DTS, IEC TS 63457-1 ED1: Household and similar electrical appliances - Repair, refurbishment, and remanufacturing of an appliance and subsequent safety testing - Part 1 - General safety requirements, 04/04/2025

Semiconductor devices (TC 47)

47F/500/FDIS, IEC 62047-46 ED1: Semiconductor devices - Micro-electromechanical devices - Part 46: Silicon based MEMS fabrication technology - Measurement method of tensile strength of nanoscale thickness membrane, 03/21/2025

47A/1180/CDV, IEC 62228-7 ED2: Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers, 05/02/2025

47D/986/CD, IEC 63378-2-2 ED1: Thermal standardization on semiconductor packages - Part 2-2: 3D thermal simulation models of semiconductor packages for steady-state analysis - PBGA and FBGA packages, 05/02/2025

Solar photovoltaic energy systems (TC 82)

82/2356/CD, IEC TS 63543-1 ED1: Photovoltaic (PV) module safety qualification for DC system voltage up to 3 000 V DC - Part 1: Requirements for construction, 04/04/2025

82/2363/CD, IEC TS 63543-2 ED1: Photovoltaic (PV) module safety qualification for DC system voltage up to 3 000 V DC - Part 2: Requirements for testing, 04/04/2025

82/2353/NP, PNW TS 82-2353 ED1: Wind load calculation for rooftop PV installation, 04/04/2025

Solar thermal electric plants (TC 117)

117/222/NP, PNW 117-222 ED1: Solar thermal electric plants - Part 2-3: Protocol for testing sensible and latent thermal energy storage prototypes, 04/04/2025

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

121A/645(F)/FDIS, IEC 60947-3/AMD1 ED4: Amendment 1 - Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units, 02/28/2025

121A/640/CDV, IEC 60947-5-3 ED3: Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDb), 05/02/2025

121A/639/CDV, IEC 60947-6-1 ED4: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment, 05/02/2025

121A/646(F)/FDIS, IEC 60947-7-1 ED4: Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors, 02/28/2025

121B/210/CD, IEC TS 61641 ED1: Low-voltage switchgear and controlgear assemblies - Internal arc-fault protection of low-voltage switchgear and controlgear assemblies in accordance with the IEC 61439 series, 04/04/2025

Terminology (TC 1)

1/2635A/CDV, IEC 60050-617 ED2: International Electrotechnical Vocabulary (IEV) - Part 617: Organization/Market of electricity, 04/25/2025

1/2640/ED, IEC 60050-C00102: International Electrotechnical Vocabulary (IEV) - Part 417: Marine energy - Wave, tidal and other water current converters, 03/21/2025

ISO/IEC JTC 1, Information Technology**(TC)**

JTC1-SC41/484/CDV, ISO/IEC 30178 ED1: Internet of Things (IoT) - Data format, value and coding for interoperability, 05/02/2025

JTC1-SC41/493/CD, ISO/IEC 3200-1 ED1: Internet of Things (IoT) - Multi-modal underwater wireless communication technologies - Part 1: Overview and requirements, 04/04/2025



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

Air quality (TC 146)

[ISO 16000-43:2025](#), Indoor air - Part 43: Standard method for assessing the reduction rate of culturable airborne fungi by air purifiers using a test chamber, \$127.00

Aircraft and space vehicles (TC 20)

[ISO 7718-2:2025](#), Aircraft - Passenger doors interface requirements for connection of passenger boarding bridge or passenger transfer vehicle - Part 2: Upper deck doors, \$56.00

Cranes (TC 96)

[ISO 16625:2025](#), Cranes and hoists - Selection of wire ropes, drums and sheaves, \$259.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

[ISO 16610-31:2025](#), Geometrical product specifications (GPS) - Filtration - Part 31: Robust profile filters: Gaussian regression filters, \$172.00

Earth-moving machinery (TC 127)

[ISO 13031:2016/Amd 1:2025](#), - Amendment 1: Earth-moving machinery - Quick couplers - Safety - Amendment 1, \$23.00

Paints and varnishes (TC 35)

[ISO 11908:2025](#), Binders for paints and varnishes - Amino resins - General methods of test, \$56.00

Robots and robotic devices (TC 299)

[ISO 10218-1:2025](#), Robotics - Safety requirements - Part 1: Industrial robots, \$287.00

[ISO 10218-2:2025](#), Robotics - Safety requirements - Part 2: Industrial robot applications and robot cells, \$287.00

Solid mineral fuels (TC 27)

[ISO 20336:2025](#), Coal and coke - Determination of total sulfur by Coulomb titration method, \$84.00

[ISO 29541:2025](#), Coal and coke - Determination of total carbon, hydrogen and nitrogen - Instrumental method, \$84.00

Steel wire ropes (TC 105)

[ISO 4345:2025](#), Steel wire ropes - Fibre main cores - Specifications, \$127.00

ISO Technical Reports

Transport information and control systems (TC 204)

[ISO/TR 19560:2025](#), Intelligent transport systems - Information interface framework between automated driving systems and users, \$84.00

ISO Technical Specifications

Earth-moving machinery (TC 127)

[ISO/TS 15143-4:2025](#), Earth-moving machinery and mobile road construction machinery - Worksite data exchange - Part 4: Worksite topographical data, \$287.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC/IEEE 32430:2025](#), Software engineering - Software non-functional size measurement, \$259.00

IEC Standards

All-or-nothing electrical relays (TC 94)

[IEC 63522-11 Ed. 1.0 b:2025](#), Electrical relays - Tests and measurements - Part 11: Enclosure protection and degree of protection, \$103.00

[IEC 63522-12 Ed. 1.0 b:2025](#), Electrical relays - Tests and measurements - Part 12: Internal moisture, \$52.00

[IEC 63522-14 Ed. 1.0 b:2025](#), Electrical relays - Tests and measurements - Part 14: Mould growth, \$26.00

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

[IEC 63563-1 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 1: Introduction, \$148.00

[IEC 63563-2 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 2: Glossary, \$148.00

[IEC 63563-3 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface, \$148.00

[IEC 63563-4 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 4: Power Delivery, \$412.00

[IEC 63563-5 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 5: Communications Physical Layer, \$200.00

[IEC 63563-10 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 10: MPP System Specification, \$580.00

[IEC 63563-11 Ed. 1.0 en:2025](#), Qi Specification version 2.0 - Part 11: MPP Communications Protocol, \$496.00

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

[IEC 61076-8-111 Ed. 1.0 en:2025](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-111: Power connectors - Detail specification for 3-pole snap locking rectangular connectors with IP65/IP67 plastic housing for rated current of 20 A, \$322.00

[IEC 61076-8-112 Ed. 1.0 en:2025](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-112: Power connectors - Detail specification for 2-pole snap locking rectangular connectors with IP65/IP67 plastic housing for rated current of 50 A, \$258.00

Safety of household and similar electrical appliances (TC 61)

[IEC 60335-2-14 Ed. 7.0 b:2025](#), Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, \$412.00

[IEC 60335-2-14 Ed. 7.0 en:2025 CMV](#), Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, \$824.00

[IEC 60335-2-14 Ed. 7.0 en:2025 EXV](#), Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, \$1029.00

[IEC 60335-2-14-EXV-CMV Ed. 7.0 en:2025 CMV](#), Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, \$1668.00

[IEC 60335-2-36 Amd.1 Ed. 7.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements, \$13.00

[IEC 60335-2-36 Ed. 7.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements, \$567.00

[IEC 60335-2-37 Amd.1 Ed. 7.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers, \$13.00

[IEC 60335-2-37 Ed. 7.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers, \$567.00

[IEC 60335-2-38 Amd.1 Ed. 6.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills, \$13.00

[IEC 60335-2-38 Ed. 6.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills, \$567.00

[IEC 60335-2-39 Amd.1 Ed. 7.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans, \$13.00

[IEC 60335-2-39 Ed. 7.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans, \$567.00

[IEC 60335-2-42 Amd.1 Ed. 6.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens, \$13.00

[IEC 60335-2-42 Ed. 6.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens, \$567.00

[IEC 60335-2-47 Amd.1 Ed. 5.0 b:2025](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans, \$13.00

[IEC 60335-2-47 Ed. 5.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans, \$567.00

[IEC 60335-2-99 Ed. 2.1 en:2025](#), Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods, \$367.00

Accreditation Announcements (U.S. TAGs to ISO)

Approval of Accreditation – U.S. TAG to ISO

TC 174, Jewellery and precious metals

Effective February 5, 2025

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO **TC 174, Jewellery and precious metals** and the appointment of the Jewelers of America as TAG Administrator, effective **February 5, 2025**.

The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: James Evans Lombe, Jewelers of America: 120 Broadway Suite 2820, New York, NY 10271, P: (646) 658-0246 E: jevanslombe@jewelers.org

Approval of Accreditation – U.S. TAG to ISO

TC 297, Waste collection and transportation management

Effective February 5, 2025

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO **TC 297, Waste collection and transportation management** and the appointment of the National Waste & Recycling Association as TAG Administrator, effective **February 5, 2025**.

The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Kirk M. Sander, National Waste & Recycling Association: 1550 Crystal Drive, #804 Suite 804, Arlington, 22202, P: (202) 364-3750 E: ksander@wasterecycling.org

U.S. Technical Advisory Groups

A3 – Association for Advancing Automation

U.S. TAG to ISO/TC 299 – Robotics

Meeting Date: Thursday, February 27, 2025, 1:30 PM – 5:00 PM (ET)

The ANSI Accredited U.S. Technical Advisory Group (U.S. TAG) to ISO/TC 299 “*Robotics*” has announced a meeting to discuss aspects of TAG governance and prepare for June 2025 Plenary of TC 299.

Meeting Format: In-person Meeting, with virtual connection if possible

Location: Sheraton Ann Arbor Hotel, 3200 Boardwalk Dr, Ann Arbor, MI 48108

Meeting Host/Sponsor: A3

Day/Date/Time: Thursday, Feb 27, 2025, 1:30 PM - 5:00 PM (ET)

For more information or to participate, please contact the U.S. TAG Administrator, Ms. Carole Franklin (cfranklin@automate.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 157 – Non-systemic contraceptives and STI barrier prophylactics

Reply Deadline: 2025-03-15

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Malaysia (DSM), the ISO delegated Secretariat of ISO/TC 157, wishes to relinquish the role of the Secretariat.

ISO/TC 157 operates under the following scope:

Standardization of non-systemic contraceptives and sexually transmitted infections (STI) barrier prophylactics.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 157. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

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

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 37/SC 2 – Terminology workflow and language coding

Reply Deadline: 2025-03-15

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Canada (SCC), the ISO delegated Secretariat of ISO/TC 37/SC 2, wishes to relinquish the role of the Secretariat.

ISO/TC 37/SC 2 operates under the following scope:

Standardization of terminological methods and applications for languages and linguistic content.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 37/SC 2. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

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

Establishment of ISO/IEC Subcommittee

ISO/IEC JTC 1/SC 44 – Consumer protection in the field of privacy by design

ISO/IEC JTC 1 – *Information technology* has created a new ISO Subcommittee on *Consumer protection in the field of privacy by design* (ISO/IEC JTC 1/SC 44). The Secretariat has been assigned to the United Kingdom (BSI).

ISO/IEC JTC 1/SC 44 operates under the following scope:

Standardization of consumer protection in the field of privacy by design for products, goods and services, including their data lifecycles.

The InterNational Committee for Information Technology Standards (INCITS) has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

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.

**Summary of Additional Modifications to the
1st ANSI Public Review of Proposed Revisions to
Normative Sections of ANSI/ACCA Manual D - 2016
Residential Duct Systems**

January 30, 2025

[Additions are shown as red underlined text and deletions are shown as ~~strike-out~~.]

Section N1 – General Requirements and Definitions

N1.3 Definitions

Blower Types:

Constant-Airflow Electronically Commutated Motor (ECM), i.e., “Variable-Speed”: A blower assembly capable of delivering a prescribed airflow (CFM) over a range of ESPs.’

Constant Torque ECM: A blower motor that delivers an airflow (CFM) at a given ESP.

Permanent Split Capacitor (PSC) motor: A blower motor that delivers an airflow (CFM) at a given ESP.

Reason: Clarifies that airflow is in cubic feet per minute or “CFM.”

N1.7 Return Air Path Requirements

A return air path shall be provided for every room or space that receives supply air.

N1.7.1 Return air paths ducted to the *air handler* shall be sized per Section N2.

N1.7.2 Return air paths that are not ducted to the *air handler* shall comply with Section N3.2.

Exception: This requirement does not apply to kitchens and bathrooms.

Reason: Kitchens and bathrooms are not permitted to have ducted return air paths.

N1.8 Duct System Installation Factors

Certain factors affect the equivalent length of duct fittings or system design.

N1.8.4 When duct distribution boxes are used with flex ducts to interconnect multiple branch ducts to a primary or secondary trunk duct, the following requirements shall apply:

1. Supply duct inlet to the duct distribution box shall be straight for two duct diameters.
2. Flexible duct takeoff fittings shall be installed at a distance from the supply trunk entrance that is greater than or equal to two duct diameters. The two-duct diameter distance shall be based on the diameter of the supply duct at the inlet of the distribution box.
3. When the distribution box has more than one branch duct takeoff fitting per side, each subsequent branch takeoff fitting shall be two-duct diameters downstream from the previous branch takeoff. The two-duct diameter separation shall be based on the diameter of the first takeoff.

Reason: Adds specific requirements flexible ducts connected to duct distribution boxes.

N1.8.6 Structural Cavities Used for Airways: The authority having jurisdiction (AHJ) determines when a structural cavity (panned floor joist space, stud space, etc.) shall be used for an airway. When use is permitted, Manual D procedures are valid when construction conforms to these requirements:

5. To determine the minimum size of the cavity, use the flex duct friction chart, or flex duct scale on the duct sizing calculator. The flex duct scale shall be for ADC limits for sag, with 4%, or less, longitudinal compression. Determine the round equivalent duct size and convert the round dimension to square or rectangular dimension.

Reason: Additional criteria have been added to clarify the design of structural airways.

Section N2 – Manual D Procedure

N2.3 Effective Length Worksheet

N2.3.1 Populate the Effective Length Worksheet with information from the Duct Sketch.

3. For the *critical circulation path*, or potential *critical circulation paths*, the designer shall document the equivalent length values on the Effective Length Worksheet.

B. The equivalent lengths for the following groups shall be determined based on the number of downstream or upstream branch ducts: Group 2 Primary Supply Trunk Branch Takeoff Fittings, Group 6 Primary Return Trunk Branch Takeoff Fittings, Group 9 Secondary Supply Trunk Junction Fittings, and Group 10 Secondary Return Trunk Junction Fittings.

Reason: To align the names of the fitting types within the Manual.

N2.5 Duct Sizing Worksheet

N2.5.4 Determine the supply branch duct size. The design CFM value and the FR determine the minimum airway size for round duct per a duct slide rule, friction chart, or software equivalent.

6. When air balancing is performed, calculate the normalized CFM, and enter it in the Normed CFM column.

A. Find the average of the heating and cooling CFM values for the supply branch duct. Round to the nearest whole number.

Exception: Duct systems that serve heating-only equipment or cooling-only equipment shall use the Design CFM for the air balancing target.

Reason: This procedure is for systems that provide heating and cooling, with a different airflow for each mode. This clarifies that the airflow through duct systems which serve heating-only or cooling-only equipment is the Design CFM.

Section N3 – Maximum Air Velocity and Transfer Air Tables

N3.2 Non-Ducted Return Air Paths

N3.2.1 A room or space that can be isolated by an interior door and does not have a ducted return shall be provided with an engineered transfer air path to the return air zone.

Reason: Clarifies that the transfer path is to the return air zone.

N3.4 Transfer Duct Sizing Table

Transfer ducts shall be permitted to provide a return air path from an isolated room to the area with the primary return (Figure N3.3). For round duct (flex duct, PVC, or metal pipe), and square or rectangular duct (fiberglass duct board or metal pipe) the continuous free area shall be per Section N4, Group 14, Table N3.3 values..

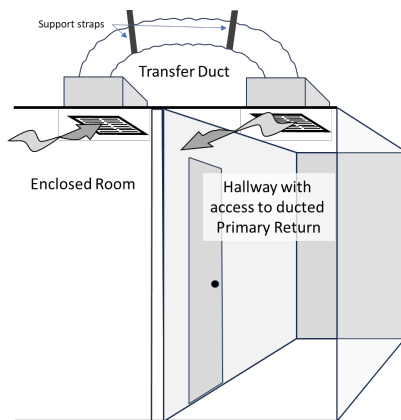


Figure N3.3

Reason: The new language expands the guidance to the designer and addresses the fact that the type of duct used for the transfer duct is irrelevant.

N3.5 Transfer Grilles on Opposite Sides of the Wall

N3.5.1 Transfer grilles on opposite sides of a wall (Figure N3.4) shall be permitted to provide a return air path from an isolated room to the area with the primary return.

N3.5.2 Compliance is permitted using the grille sizes per Section N4, Group 14, Table N3.4 values.

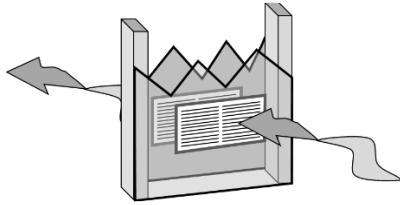


Figure N3.4

N.3.6 Transfer Grilles Offset by More Than 24"

N3.6.1 Transfer grilles on the opposite sides of a wall and offset by more than 24" (Figure N3.6) shall be permitted to provide a return air path from an enclosed room to the area with the primary return.

N3.6.2 Compliance is permitted using the grille sizes per Section N4, Group 14, Table N3.5 values.

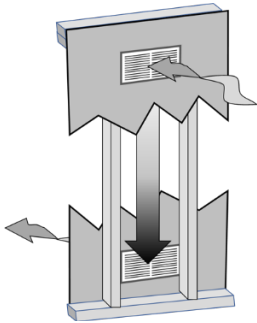


Figure N3.5

3.7 Door Undercut for Return Air

3.7.1 The gap cut under a door shall be permitted to provide a return air path from an isolated room to the area with the primary return.

3.7.2 Compliance is permitted using the sizes per Section N4, Group 14, Table N3.6 values

Reason: Provides specific guidance type of transfer grille and door undercuts, also refers the designer to the Table values in Section N4.

Section N4 – Fitting Equivalent Lengths

This Section provides *Manual D* equivalent length values for supply-side fittings and return-side fittings; plus *Manual D* pressure drop values for supply air diffusers, return air grilles, and open balancing dampers. This Section also shows the maximum pressure drop for return air transfer ducts or transfer grilles.

A list of fitting table items is provided here:

Group 2: Pages N20 – N22

Primary Supply Trunk Branch Takeoff Fittings

Group 6: Pages N29 – N31

Primary Return Trunk Branch Takeoff Fittings.

Group 9: Pages N35 – N36

Secondary Supply Trunk Junction Fittings.

Group 10: Pages N37

Secondary Return Trunk Junction Fittings.

Group 11: Pages N38

Flexible Duct Distribution Boxes and Radius Bends.

Group 14: Pages N43
 Non-Ducted Return Air Paths to the Return Air Zone .

(Note: The subsequent applicable page titles have also been changed as shown above but do not appear in this public review draft.)

Reason: Standardizes and aligns the terms used in Manual D with the titles of the relevant tables.

Group 11

Equivalent Length Values					
Flex Duct Inlet Velocity (FPM)	Junction Box ₁ (EL)	Flex Duct 90° Bend (EL)			
		R / D Ratio (ln / ln) ²			
		1.0	1.5	2 to 3	4 to 5
400	20	5	5	5	5
500	30	5	5	5	5
600	40	10	5	5	5
700	60	15	10	5	5
800	75	15	10	10	8
900	95	20	15	10	8

- 1) No anti-swirl regain diffuser at entrance. Swirl tends to feed one side of the box and start the other side. Swirl can be included by spiral wire geometry. Swirl attributes (such as direction) can change when the blower shuts down and restarts.
- 2) Flexible ducts shall be straight for two duct diameters before bending.
- 3) Radius of turn divided by the diameter of the duct.

Group 14

Group 14
Transfer Duct and Transfer Grille
 Component Pressure Loss (CPL) for Recommended Practice

Maximum A-B Pressure Drop for Assembly = 0.05 IWC

The A-B pressure drop includes these items:

- Two return grilles at 0.05 IWC per grille, or less (use OEM performance data and Cfm for size).
- Grille frame size determines duct airway size, or flex duct equivalent.
- Two 90 degree fittings, or flex duct equivalent (15 feet equivalent length per fitting, or less).

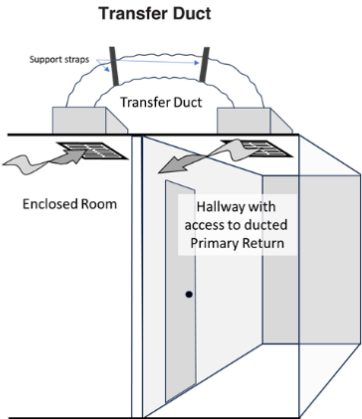
Maximum A-B Pressure Drop for Assembly = 0.05 IWC

The A-B pressure drop includes two return grilles at 0.05 IWC per grille, or less.

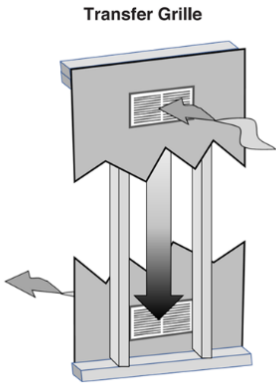
Cfm	Size
100	12 x 8
200	14 x 10
300	18 x 12
400	20 x 12

Cfm	Size
100	12 x 8
200	14 x 10
300	18 x 12
400	20 x 12

Group 14
Non-Ducted Return Air Paths to the Return Air Zone
~~Transfer Duct and Transfer Grille~~
~~Component Pressure Losses (GPL) for Recommended Practice~~

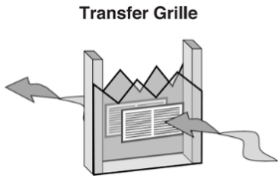


CFM	Transfer Duct Size	
	Round	Square
25	5"	3 3/4"
50	6"	5 1/4"
75	8"	6 3/8"
100	9"	7 3/8"
125	10"	8 1/4"
150	12"	9"
175	12"	9 3/4"
200	12"	10 3/8"
225	14"	11 1/8"
250	14"	11 5/8"
275	14"	12 1/4"
300	16"	12 3/4"
325	16"	13 1/4"
350	16"	13 3/4"
375	16"	14 1/4"
400	18"	14 3/4"



Transfer Grilles Offset by more than 24"					
CFM	# Wall Bays		CFM	# Wall Bays	
	25	1		225	3
50	1	250	3		
75	1	275	3		
100	2	300	4		
125	2	325	4		
150	2	350	4		
175	2	375	4		
200	3	400	5		

1. # Wall Bays: The number of 2"x4", 16" on center wall bays needed.
 2. Minimum grille size: 10" x 6" (free area 0.67%), or equivalent.



Transfer Grille- Opposite Sides of the Wall			
CFM	10" Grille	12" Grille	14" Grille
25	10" x 4"	12" x 4"	14" x 4"
50	10" x 4"	12" x 4"	14" x 4"
75	10" x 6"	12" x 6"	14" x 6"
100	10" x 6"	12" x 8"	14" x 6"
125	10" x 8"	12" x 10"	14" x 8"
150	10" x 8"	12" x 10"	14" x 10"
175		12" x 11 1/2"	14" x 10"
200		12" x 12"	14" x 12"
225			14" x 14"

1. Grille free area used for calculation 67%.

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

NSF/ANSI Standard for Plastics —

Plastics Piping System Components and Related Materials

⋮

9 Quality assurance

⋮

9.10 Product-specific quality assurance requirements

Tables 9.2 through 9.40 provide product-specific quality assurance requirements.

⋮

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Table 9.13
PVC pipe test frequency

Test	Potable Water	DWV	DWV (3.25" OD)	DWV cellular core	Sewer	Well Casing
acetone	annually	—	annually	annually	annually	—
bond	—	—	—	weekly	—	—
burst pressure	24 h ^{a,b}	—	—	—	—	—
deflection load and crush	—	annually	annually	—	—	annually
cellular structure	—	—	—	annually	—	—
dimensions						
pipe outside diameter	2 h	2 h	2 h	2 h	2 h	2 h
pipe wall thickness	2 h	2 h	2 h	2 h	2 h	2 h
pipe out-of-roundness	2 h	2 h	2 h	2 h	2 h	2 h
flattening resistance	annually	—	annually	annually	annually	—
impact resistance at 0 °C (32 °F) ^b	24 h ^c	—	—	—	—	24 h ^d
impact at 22.8 °C (73 °F) ^b	24 h ^{a,e}	24 h	24 h	24 h	24 h	—
joint tightness	—	—	—	—	annually	—
stiffness	—	annually	annually	annually	annually	annually
sustained pressure	annually	—	—	—	—	—
tup puncture resistance	—	—	—	—	—	annually
product standard(s)	ASTM D1785, ASTM D2241, CSA B137.3	ASTM D2665	ASTM D2949	ASTM F891, ASTM F3128	ASTM D2729, ASTM D3034, CSA B182.2	ASTM F480

^a Test does not apply to CSA B137.3 products.

^b If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.

^c Test only applies to CSA B137.3 products.

^d Impact testing shall be in accordance with ASTM F480 as referenced in Section 2 of this standard and the specified impact classification of IC-1, IC-2, or IC-3.

^e 23 °C (73 °F) impact applies only to products produced under ASTM D2241 as referenced in Section 2 of this standard.

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Table 9.14
PVC fittings and pipe bell ends test frequency

Test	Potable water	DWV	Sewer	Well casing	PSM sewer fittings	Pipe bell ends
acetone	—	—	24 h ^a	—	—	—
burst pressure ^{b,c}	weekly	—	—	—	—	weekly
deflection load and crush resistance ^d	—	annually	—	annually	—	—
deflection test	—	start-up ^e	—	—	—	—
dimensions						
body wall thickness	weekly ^f	weekly ^f	weekly ^f	weekly ^f	—	—
socket bottom average diameter and out-of-roundness ^{g, h}	24 h	24 h	24 h	24 h	24 h	start-up
socket entrance average diameter and out-of-roundness ^{g, h}	24 h	24 h	24 h	24 h	24 h	start-up
socket depth ^{g, h, i}	24 h	24 h	24 h	24 h	24 h	start-up
socket wall thickness	weekly ^f	weekly ^f	weekly ^f	weekly ^f	weekly ^f	start-up
spigot ends of fittings: minimum wall thickness	weekly ^f	weekly ^f	weekly ^f	weekly ^f	—	—
spigot ends of fittings: average diameter and out-of-roundness ^{i, j}	24 h	24 h	24 h	24 h	—	—
thread length	(see Footnote i)	(see Footnote i)	(see Footnote i)	(see Footnote i)	—	—
thread gauge	24 h	24 h	—	24 h	—	—
flattening	—	annually ^k	—	—	—	—
heat reversion ^l	8 h	8 h	—	—	—	—
impact at 22.8 °C (73 °F) ^d	—	weekly	—	—	monthly ^m	—
joint tightness	—	—	—	—	—	annually
shear test	—	start-up ^e	—	—	—	—
tup puncture resistance	—	—	—	annually	—	—
threaded joint strength (hydrostatic)	—	—	—	weekly	—	—
unrestrained hydrostatic test	—	start-up ^e	—	—	—	—

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Table 9.14
PVC fittings and pipe bell ends test frequency

Test	Potable water	DWV	Sewer	Well casing	PSM sewer fittings	Pipe bell ends
product standard(s)	ASTM D2464, ASTM D2466, ASTM D2467, CSA B137.3	ASME A112.4.4 ASTM D2665, ASTM D2949, CSA B181.2	ASTM D2729, ASTM D3034	ASTM F480	ASTM F1336, CSA B182.2	ASTM D2672, ASTM D3139, ASTM D3212
<p>^a Acetone applies only to products produced under ASTM D2729 as referenced in Section 2 of this standard.</p> <p>^b Burst pressure requirement does not apply to reducer bushings.</p> <p>^c Test does not apply to CSA B137.3 products.</p> <p>^d Toilet flanges listed to ASTM D2665, D2949, CSA B181.2, and ASME A112.4.4 are exempt from the QC requirements of crush and impact.</p> <p>^e This requirement applies only to products under ASME A112.4.4.</p> <p>^f Once walls have been measured and verified to be within specification twice within a week of startup, wall thickness measurements shall be conducted no less than once per month.</p> <p>^g Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all mold cavities to verify compliance with the referenced standard.</p> <p>^h Requirements do not apply to ASTM D3034 fabricated fittings and bell ends.</p> <p>ⁱ Socket depth and thread length are only required to be verified at the time a new tool is "qualified" or when new or repaired cores are made.</p> <p>^j Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all cavities to verify.</p> <p>^k Flattening applies only to products produced under ASTM D2949 as referenced in Section 2 of this standard.</p> <p>^l This requirement applies only to products produced under CSA B181.2 and CSA B137.3.</p> <p>^m This requirement does not apply to products produced under CSA B182.2.</p>						

No point anywhere along the length of the spigot shall the OD be allowed to fall below the minimum for equivalent size pipe.

Rationale: Adds CSA B182.2 as a quality assurance requirement and clarifies that impact testing at 22.8 °C (73 °F) for PSM sewer fittings does not apply to CSA B182.2.

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BSR/UL 3001, Standard for Safety for Distributed Energy Resource Systems

1. Revisions to the Proposed First Edition of the Standard for Safety for Distributed Energy Resource Systems, UL 3001, including applicable requirements for Canada. The Standard requirements provide a means for evaluation of a Distributed Energy Resource System (DER system) as a system and consider hazards associated with the interaction between sources and interaction with external energy sources such as an area EPS and other DER systems.

PROPOSAL

1.1.1 These requirements cover Distributed Energy Resource Systems (DER systems) that contain multiple DER units and associated control equipment that provide electrical energy to loads within the DER system. The DER system may utilize one or more DER units of any type. DER systems may also provide energy to the area EPS (Electric Power System) if present. This standard evaluates the impact on the risk of fire and electric shock created by interactions between the various sources and operation of the DER system as a whole.

1.1.4 A DER system may be:

- a) A stand-alone system as shown in Figure 1.1, or
- b) A system with the capability of disconnecting from the area EPS or another DER system and operating in islanded mode. The DER system may serve a single multi-occupant building as shown in Figure 1.2 or a multi-building campus as shown in Figure 1.3. The DER system may be connected to a single area EPS as shown in Figure 1.2, or multiple area EPSs as shown in Figure 1.3.

Figure 1.1
Stand-alone DER System

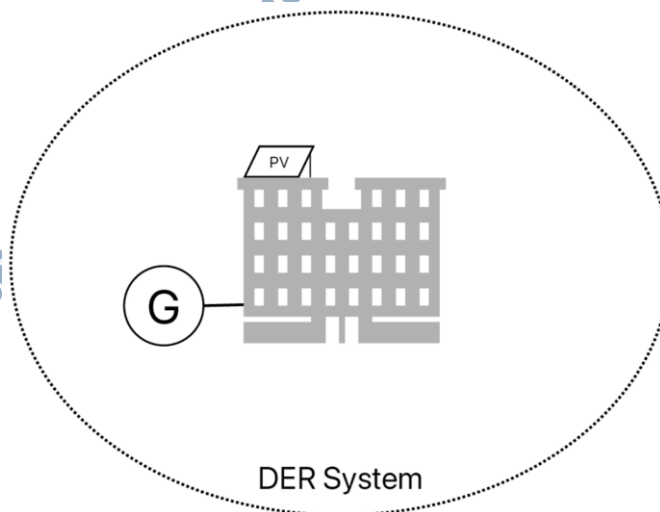


Figure 1.2
Single Building DER System

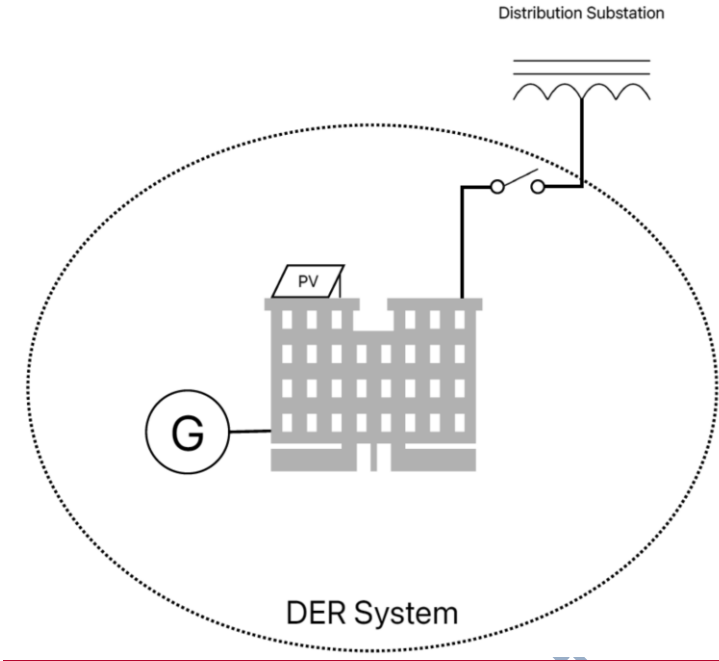
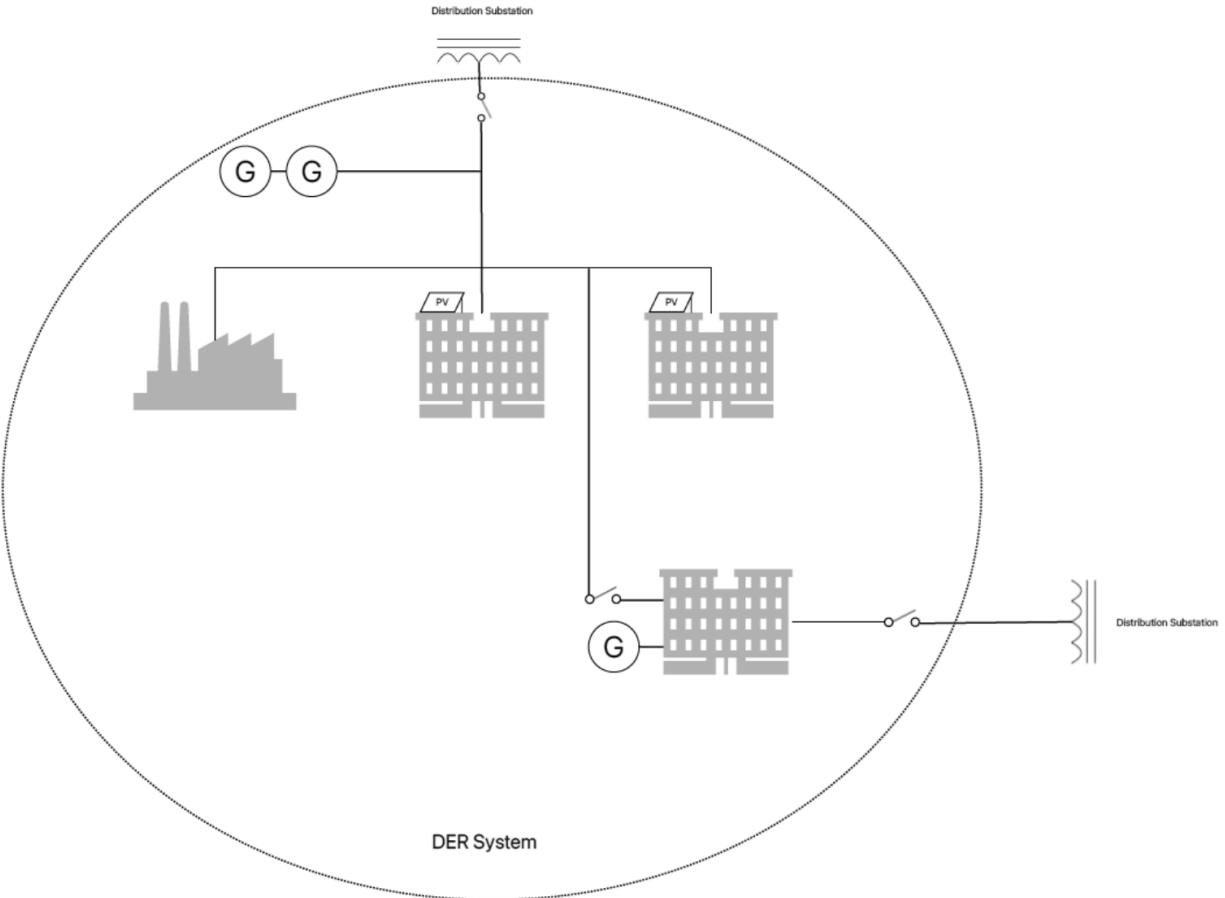


Figure 1.3
Campus DER System



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1.2.4 DER Systems that ~~serve a single occupancy supply a single local EPS~~ are not within the scope of the standard.

NOTE: DER Systems that ~~serve a single occupancy supply a single local EPS~~ are known as Single Site Energy Systems and should be covered by a separate standard.

2 Components

2.1 For the purpose of this standard, the following references to components cover ~~components~~equipment, sub-systems and systems within the DER system being evaluated.

2.2 A component ~~used in a DER system covered by this Standard~~ shall:

- a) Comply with the requirements for that component as specified in this Standard;
- b) Be used in accordance with its rating(s) established for the intended conditions of use; and
- c) Be used within its established use limitations ~~and manufacturer's instructions or conditions of acceptability.~~

2.3 A component covered by this Standard is not required to comply with a specific component requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the ~~DER system~~product;
- b) Is superseded by a requirement in this Standard; or
- c) Is separately investigated when forming part of another component, provided the component is used within its established ratings and limitations.

4 Referenced Publications

Note from ULSE Standards Project Manager: The entire list of Referenced Publications is not being shown. Only the proposed additions are being provided.

[UL 489B Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures for Use with Photovoltaic \(PV\) Systems](#)

[UL 1008S Solid-State Transfer Switches](#)

[UL 1558 Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear](#)

[UL 1778 Uninterruptable Power Systems](#)

[CSA C22.2 No. 31, Switchgear assemblies](#)

[CSA C22.2 No. 107.3 Uninterruptable power systems](#)

[CSA C22.2 No. 305-16, Molded-case circuit breakers, molded-case switches, and circuit-breaker enclosures for use with photovoltaic \(PV\) systems](#)

5.22 TRANSFER SWITCH - A device for transferring one or more load conductor connections from one power source to another. Transfer switch types are listed and further defined in UL 1008 / CSA C22.2 178.1~~include:~~

~~a) Automatic transfer switch — A self-acting transfer switch.~~

~~b) Bypass/isolation transfer switch — An assembly that includes a transfer switch, manual or~~

- ~~_____ non-automatic paralleling contacts, and isolation contacts that is used to select an available~~
- ~~_____ power source to feed load circuits and to electrically isolate the transfer switch for inspection~~
- ~~_____ and maintenance.~~
- ~~_____ e) Closed transition transfer switch — An automatic transfer switch that is arranged with~~
- ~~_____ overlapping contacts to provide a make before break transfer operation between normal and~~
- ~~_____ alternative power sources that are actively or passively synchronized at the time of transfer. The~~
- ~~_____ two sources are paralleled for no more than 100 ms.~~
- ~~_____ d) Delayed transition transfer switch — An open transition transfer switch with a position where~~
- ~~_____ the load is intentionally disconnected from both sources for a specified time period.~~
- ~~_____ e) Enclosed type transfer switch — A transfer switch provided within a complete enclosure.~~
- ~~_____ f) Hybrid transfer switch — A transfer switch that incorporates solid-state power components to~~
- ~~_____ bridge a power interruption during a mechanical break before make transfer operation. Upon~~
- ~~_____ completion of the transfer operation an air gap provides isolation between the sources.~~
- ~~_____ g) Manual transfer switch — A non-electrically operated transfer switch.~~
- ~~_____ h) Non-automatic transfer switch — An electrically operated transfer switch that is not self-acting.~~
- ~~_____ i) Open transition transfer switch — A transfer switch that is arranged to provide a break before~~
- ~~_____ make transfer operation between normal and alternate power sources such that the load is~~
- ~~_____ intentionally disconnected from both sources.~~

6.27 Uninterruptable Power Systems shall comply with UL 1778 / CSA C22.2 No. 107.3.

7.3 The MID shall be one of the following:

- a) A source interconnect switch evaluated to UL 1008B;
- b) A transfer switch evaluated to UL 1008 / CSA C22.2 No. 178.1;
- b)c) A solid state transfer switch evaluated to UL 1008S;
- e)d) A contactor evaluated to UL 508 or CSA C22.2 No. 14;
- d)e) A circuit breaker evaluated to UL 489 / CSA C22.2 No. 5;
- e)f) An automatic interconnection switch evaluated to UL 3008;
- f)g) A dc microgrid circuit breaker evaluated to UL 489H; or
- g)h) Another device evaluated for the use.

8.2 The DER system shall prevent inverter/converter DER sources that have not been evaluated to the utility interactive requirements of 8.1 from parallel interaction with the area EPS, other DER systems or any other electrical system outside of the DER system boundary.

NOTE: inverter/converter DER sources that have not been evaluated to UL 1741 including Supplement SB / CSA C22.2 No. 107.1 including CSA C22.3 No. 9 may operate while the DER system is in islanded mode or with stand-alone systems.

9.1 A DER system capable of interactive mode operation shall provide a means for transitioning between interactive mode and islanded mode and comply with IEEE 2030.7, Transition Modes, paragraph 6.2.4, under the Functional Specification of the Dispatch Function Section.

Exception: DER systems without dispatch functionality are not required to balance generation and load prior to transition as described in IEEE 2030.7, paragraph 7.2.2, but shall comply with Stand-Alone System and Islanded Mode AC System Voltage, Frequency and Harmonic Distortion, Section 17, for voltage and frequency limits starting 0.0001 seconds after disconnection from the grid after transitioning to islanded mode.

11.1 The DER system shall prevent backfeeding power to rotating generator(s) through one of the following methods:

- a) A reverse power relay evaluated for the purpose and rated for the load involved;
- b) A Power Control System (PCS) evaluated to UL 3141; or
- c) A Molded-Case Circuit Breaker evaluated to UL 489 / CSA C22.2 No. 5, or UL 489B / CSA C22.2 No. 305; or
- b)d) A Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear evaluated to UL 1558 / CSA C22.2 No. 31; or
- e)e) Another method evaluated for the purpose.

Exception: Generators evaluated for protection against backfeed are not required to be provided with additional protection.

14.1 Equipment forming the DER systems with remote software update capability shall be evaluated to UL 5500.

17.5.3 For DER systems employing inverters, compliance is checked by measuring the ac output frequency under the following conditions under both the minimum and maximum rated dc input:

- a) Inverter supplying no load; and
- b) Inverter supplying a resistive load equal to the inverters rated maximum continuous output power.

Exception: DER systems designed and installed for a single application may be tested using actual DER system loads in lieu of resistive loads. Actual DER system loads shall be adjusted on or off to approximate the requirements in 17.5.1 – 17.5.3.

17.5.4 For DER systems employing electrical sources other than inverters, compliance is checked by measuring the ac output frequency while supplying no load and a resistive load equal to the maximum continuous output power.

- ~~_____ a) DER energy sources with inverters individually supplied with their respective minimum and maximum input.~~
- ~~_____ b) Other DER sources with variable input individually supplied with their respective minimum and maximum input.~~

Exception: DER systems designed and installed for a single application may be tested using actual DER system loads in lieu of resistive loads. Actual DER system loads shall be adjusted on or off to approximate the requirements in 17.5.4.

20.1 The markings including signage required for compliance to this standard shall be legible and permanent such as metal stamped, etched, adhesive labels, etc. An adhesive-backed label shall comply with the requirements in UL 969, or CSA C22.2 No. 0.15, for the intended exposure conditions and surface adhered to. CAUTIONARY, WARNING, or DANGER markings may alternatively and exclusively consist of equivalent symbols that comply with ISO 7000, ISO 7010, and IEC 60417.

20.5 Any electrical or mechanical limits that may not be changed or updated after manufacture, such as maximum number of units connected together, or specific manufacturer and model limitations that apply to the interconnection of DER sources that are not supplied as part of the DER system shall be marked on the equipment or component near the point of connection to the DER system.

BSR/UL 962, Standard for Safety for Household and Commercial Furniture

1. Addition of UL 62368-1 to C4.3 and C4.4

PROPOSAL

C4.3 A battery charger supplied with the furnishing or available as an accessory to the furnishing operating at above a Class 2 power output level shall comply with the requirements in UL 1012 [or UL 62368-1](#).

C4.4 A battery charging circuit integral to the furnishing operating at above a Class 2 power output level shall comply with the requirements in UL 1012 [or UL 62368-1](#).

2. Deletion of 86.47

PROPOSAL

~~86.47 Rooms or booths with a “drop-out” panel ceiling system or an adjustable open grid system shall be provided with the marking that states “WARNING” “Risk of Fire” “Only use in locations with standard-response sprinklers”. “See installation instructions for additional information” or equivalent. This marking shall be visible during installation.~~

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