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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.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 217-202x, Standard for the Ethical Treatment of Human Remains and Associated Data for Curation, Education, Research, and Training in Forensic Anthropology (new standard)

Stakeholders: Forensic anthropology practitioners; coroner/medical examiner offices; universities that curate human remains and/or associated data; museums

Project Need: This document will clarify how human remains and their associated data may be used in various contexts, as well as information about the proper curation and handling of remains and data. Forensic anthropologists routinely interact with human remains and data associated with human remains. The use of human remains and their associated data in various contexts represent a number of ethical dilemmas, many of which have been highlighted in recent years due to popularized new stories of misconduct by forensic anthropology-adjacent individuals.

Interest Categories: Academics and Researchers, General Interest, Producer, User - Government, User - Non-Government

This document establishes procedures for the ethical treatment and curation of contemporary human remains and associated data for the purposes of conducting forensic anthropological research and for the use of human remains and associated data in education and training. This standard also provides requirements for informed consent. This standard does not address non-contemporary human remains, which may be subject to federal and state antiquities laws, including the Archaeological Resources Protection Act (ARPA) and/or the Native American Graves Protection and Repatriation Act (NAGPRA). This standard does not discuss the use of human remains as evidence within the context of forensic casework (i.e., search, recovery, or laboratory analysis).

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

Ryan Shanley <rshanley@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

New Standard

BSR/ASHRAE Standard 241-202x, Control of Infectious Aerosols (new standard)

Stakeholders: Code developers, consumers, government, design engineers, facility owners/operators, producers, regulatory agencies, healthcare facilities, schools

Project Need: The COVID-19 pandemic caused enormous personal, societal, and economic damage, much of which resulted from the closure of public buildings due to widespread perception (supported by considerable evidence) that they were high-risk environments for infection transmission. This experience intensified discussion about the adequacy of existing IAQ standards, including code-basis standards such as ANSI/ASHRAE Standard 62.1, and added renewed urgency to calls for improved guidance. Recognizing that indoor environments were not well-prepared to mitigate the risk of COVID-19 transmission, ASHRAE formed its Epidemic Task Force (ETF) early in 2020. In a matter of months, the ETF produced a large body of guidance that has been well received and widely used. It addressed ventilation, filtration and air cleaning, air distribution, HVAC system operation, and commissioning for multiple building types, and presented a framework for planning effective upgrades. This guidance was not intended to set new enforceable minimum requirements, but it laid the groundwork for the development of a new standard for control of airborne pathogens.

Interest Categories: General, Producer, User

The purpose of this standard is to establish minimum requirements for control of infectious aerosols to reduce risk of disease transmission in the occupiable space in new buildings, existing buildings, and major renovations to existing buildings, including requirements for both outdoor air system and air cleaning system design, installation, commissioning, operation, and maintenance. This standard defines the amount of equivalent clean airflow necessary to substantially reduce the risk of disease transmission during infection risk management mode. This standard does not address requirements for maintaining acceptable indoor air quality, may not substantially reduce transmission risk in all situations due to the diversity of infectious agents and personal susceptibility, and addresses only indoor long-range transmission resulting from inhalation of infectious aerosol emitted by an infector who is not in close proximity to a susceptible occupant. This standard does not determine the conditions under which infection risk management mode should be invoked. No requirement in this standard shall be used to circumvent any health, safety, or comfort regulations required by the authority having jurisdiction.

ECIA (Electronic Components Industry Association)

Laura Donohoe <ldonohoe@ecianow.org> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 www.ecianow.org

Revision

BSR/EIA 364-63-A-202x, Accessory Thread Strength Test Procedure for Circular Electrical Connectors (revision and redesignation of ANSI/EIA 364-63-2013 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standard

Interest Categories: User, Producer and General Interest

This test procedure establishes a test method to determine whether accessory thread strength and portion of the connector that accepts cable clamps and “J” adaptors shall be capable of withstanding torque requirements specified in the referencing document.

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.09-202x, Standard for Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V (new standard)

Stakeholders: Users of high-voltage circuit breakers, manufacturers and consultants.

Project Need: This document will be revised to include Corrigendum 1 and Amendment 1 in the text of the base standard and to achieve the accreditation by the standards Institute. Moreover, any changes required by the current work of IEEE Std C37.04 and other relevant standards will be reflected. Ambiguities and mistakes found during revision work will be corrected.

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 applies to alternating current (ac) high-voltage circuit breakers with rated maximum voltage above 1000 V. It defines various tests that are made on ac high-voltage circuit breakers, except for generator circuit breakers, which are covered in IEC/IEEE 62271-37-013:2015. It specifies the tests and describes the accepted methods used to verify assigned ratings defined in IEEE Std C37.04. It also describes the test procedures associated with production and field installation. The test procedures are divided into the following classifications: (a) Design tests; (b) Production tests; (c) Conformance tests; (d) Field tests. NOTE: Design tests are referred to as "Type" tests, and Production tests are referred to as "Routine" tests in IEC standards.

NEMA (ASC C37) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C37.55-202x, Standard for Switchgear - Medium Voltage Metal-Clad Assemblies - Conformance Test Procedures (revision of ANSI C37.55-2020)

Stakeholders: Utilities, manufacturers, users, contractors

Project Need: Update the existing standard for current industry practices

Interest Categories: Producer, Government, General Interest, User and Testing Laboratory

This Standard is a conformance testing standard optionally applicable to all medium-voltage metal-clad switchgear assemblies designed, tested, and manufactured in accordance with IEEE Std. C37.20.2, Metal-Clad Switchgear. This standard covers selected tests to demonstrate conformance of the basic switchgear section (which includes the structure, circuit breaker compartments, instrument compartments, buses, and internal connections) with the "Tests" clause of IEEE Std. C37.20.2. In this standard, the use of the term "MC switchgear" shall be considered to mean "metal-clad switchgear." The use of the term "circuit breaker" shall be considered to mean "indoor alternating current medium-voltage circuit breakers (rated above 1000 volts) applied as removable elements in metal-enclosed switchgear assemblies," unless qualified by other descriptive terms.

NWRA (ASC Z245) (National Waste & Recycling Association)

Yashuwa Jerry <yjerry@wasterecycling.org> | 1550 Crystal Drive Suite 804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.2-202x, Stationary Compactors (revision of ANSI Z245.2-2013)

Stakeholders: Manufacturers, Companies, Facilities, Users, Operators, and generally all other workers in the waste and recycling industry.

Project Need: The project is being initiated for general updates and revisions to the standard

Interest Categories: Manufacturers, Users, Regulatory Agencies, Distributors, and General Interest.

This standard sets safety rules for stationary compactors. It covers how to install, use, and maintain this equipment safely, with guidelines for emergency stops, guarding moving parts, and safe operation. The goal is to protect workers, prevent accidents, and ensure the equipment works efficiently.

NWRA (ASC Z245) (National Waste & Recycling Association)

Yashuwa Jerry <yjerry@wasterecycling.org> | 1550 Crystal Drive Suite 804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.3-202x, Waste Containers (revision of ANSI Z245.30-2008)

Stakeholders: Manufacturers, Companies, Regulatory Agencies, Users, and all other workers in the waste and recycling industry.

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

Interest Categories: Manufacturers, Users, Regulatory Agencies, Distributors, and General Interest.

This standard is all about waste containers. It covers the design, testing, and safety requirements for waste containers. The goal is to make sure these containers are durable, safe to use, and compatible with collection equipment, reducing the risk of accidents during handling.

NWRA (ASC Z245) (National Waste & Recycling Association)

Yashuwa Jerry <yjerry@wasterecycling.org> | 1550 Crystal Drive Suite 804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.5-202x, Baling Equipment (revision of ANSI Z245.5-2013)

Stakeholders: Manufacturers, Companies, Facilities, Users, Operators, and generally all other workers in the waste and recycling industry.

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

Interest Categories: Manufacturers, Users, Regulatory Agencies, Distributors, and General Interest.

This standard is about safety regulations for baling equipment. It focuses on making sure these machines are designed, operated, and maintained safely to protect workers and keep operations efficient.

NWRA (ASC Z245) (National Waste & Recycling Association)

Yashuwa Jerry <yjerry@wasterecycling.org> | 1550 Crystal Drive Suite 804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.6-202x, Waste Containers (revision of ANSI Z245.60-2018)

Stakeholders: Manufacturers, Companies, Facilities, Users, Operators, and generally all other workers in the waste and recycling industry.

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

Interest Categories: Manufacturers, Users, Regulatory Agencies, Distributors, and General Interest.

This standard focuses on the compatibility and ratings for waste containers. It provides guidelines for the dimensions and design of these containers to ensure they fit with collection equipment. This standard helps prevent accidents and ensures that containers work efficiently with trucks and other waste-handling systems.

NWRA (ASC Z245) (National Waste & Recycling Association)

Yashuwa Jerry <yjerry@wasterecycling.org> | 1550 Crystal Drive Suite 804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.42-202x, Waste Transfer Station (revision of ANSI Z245.42-2012)

Stakeholders: Manufacturers, Companies, Facilities, Users, Operators, and generally all other workers in the waste and recycling industry.

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

Interest Categories: Manufacturers, Users, Regulatory Agencies, Distributors, and General Interest.

This standard is all about safety regulations for waste transfer stations. It ensures that these facilities are designed, operated, and maintained safely to protect workers and make waste handling efficient.

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 2, 2025

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 S Eastern Ave., Las Vegas, NV 89119 | mwashington@iicrcnet.org, <https://www.iicrc.org>

New Standard

BSR/IICRC S410-202x, Standard for Professional Cleaning of the Built Environment for Infection Prevention and Control (new standard)

This standard will provide practical principles, methods, and processes to clean, sanitize, and evaluate the cleaning of the built environment. Further, this Standard will focus on reaching a hygienically clean outcome with verifiable results. This standard will also establish methods and processes to document, clean, sanitize, disinfect, and evaluate facilities that require a higher level of cleaning. This standard does not cover cleaning of healthcare or agricultural facilities.

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

Send comments (copy psa@ansi.org) to: <https://iicrc.org/s410/>

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 S Eastern Ave., Las Vegas, NV 89119 | mwashington@iicrcnet.org, <https://www.iicrc.org>

New Standard

BSR/IICRC S900-202x, Standard for Professional Remediation of Precursors, Drug Residues, and Associated Chemical Waste (new standard)

This Standard describes the procedures to be followed and the precautions to be taken when organizing the work for a project involving the remediation and cleaning of a site that is contaminated by precursors, drug residues, and associated chemical waste. This standard assumes that all scenes have been released by law enforcement or regulatory agencies. Sites requiring cleanup from precursors, drug residues, and associated chemical waste require a working knowledge of the subject matter in the contents as per this Standard.

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

Send comments (copy psa@ansi.org) to: <https://iicrc.org/s900/>

Comment Deadline: March 2, 2025

NSF (NSF International)

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

Revision

BSR/NSF 359-2022 (i7r2), Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems (revision of ANSI/NSF 359-2022)

This standard applies to in-line valves for use in radiant heating systems, and hot- and cold-water cross-linked polyethylene (PEX) distribution systems which are compliant with the requirements identified in ASTM F877 for PEX tubing systems.

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

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

Comment Deadline: March 17, 2025

ADA (American Dental Association)

211 E. Chicago Avenue, Chicago, IL 60611-2678 | swickm@ada.org, www.ada.org

New Standard

BSR/ADA Standard No. 188-202x, Dentistry - Materials Used to Produce Sequential Aligners (new standard)

This standard specifies requirements and test methods for materials used in the production of orthodontic sequential aligners along with packaging and labelling requirements. This standard includes materials that are thermoformed into sequential aligners.

Single copy price: \$45.00

Obtain an electronic copy from: standards@ada.org

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

New Standard

BSR/AHRI Standard 1400-202x (I-P), Performance Rating of Indirect Water Heaters (new standard)

The purpose of this procedure is to specify indirect water heater testing procedures. This standard applies to Indirect Water Heaters, having a total volume (potable plus heat source) less than or equal to 120 gallons, designed for installation with a hot water boiler or other external sources of heated water.

Single copy price: Free

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

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

Revision

BSR/AHRI Standard 390-202x (I-P), Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps (revision of ANSI/AHRI Standard 390-2021 (I-P))

This standard applies to factory-assembled commercial or industrial Single Package Vertical Air-conditioner and Heat Pump equipment as defined in Section 3.

Single copy price: Free

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

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

Comment Deadline: March 17, 2025

ASA (ASC S2) (Acoustical Society of America)

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

National Adoption

BSR S2.1/ISO 2041-202x, Mechanical Vibration, Shock, and Condition Monitoring Vocabulary (identical national adoption of ISO 2041:2018 and revision of ANSI/ASA S2.1-2009 (R2020), ISO 2041-2009 (R2020))

A collection of terms and expressions unique to the specialized areas of mechanical vibration,

shock, and condition monitoring. Document

comprises a vocabulary of definitions and specific recommendations for use in national and international standards pertaining to mechanical vibration, shock, and condition monitoring.

Single copy price: \$48.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

ASA (ASC S3) (Acoustical Society of America)

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

Reaffirmation

BSR/ASA S3.4-2007 (R202x), Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2020))

This document describes the divergence loss method of measurement of performance of an environment designed to provide a free sound field or free sound field over a reflecting plane. An acoustical environment is a free sound field if it has bounding surfaces that absorb all sound energies incident upon them. This is normally achieved using specialized test environments, such as anechoic or hemi-anechoic chambers. In practice, these provide a controlled free sound field for acoustical measurements in a confined space within the facility.

Single copy price: \$110.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section IXa-202x, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2023)

This is a 3rd public review and includes records not included in the public reviews for 12/27/24-2/25/24 and 1/24/25-2/23/25. Section IX of the ASME Boiler and Pressure Vessel Code relates to the qualification of welders, welding operators, brazers, brazing operators, and fusing operators, and the procedures employed in welding, brazing, or plastic fusing in accordance with the ASME Boiler and Pressure Vessel Code and the ASME B31 Code for Pressure Piping.

Single copy price: Free

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

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

Comment Deadline: March 17, 2025

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-26C (R202x), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014 (R2019))

This standard establishes a test method to assess the effects of a controlled salt-laden atmosphere on electrical connector components, finishes, and mechanisms and permit electrical readings to be taken after exposure when specified.

Single copy price: \$85.00

Obtain an electronic copy from: store accuristech.com

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

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-11C-2014 (R202x), Resistance to Solvents Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-11C-2014 (R2019))

This procedure is to determine the ability of connector materials to withstand solvents that may be used to clean components.

Single copy price: \$78.00

Obtain an electronic copy from: store accuristech.com

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

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-49-2013 (R202x), Ultraviolet Radiation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-49-2013 (R2019))

This standard establishes a test method to determine heating effects of direct solar radiation on connector and contact materials and to help identify the actinic (photodegradation) effects of direct solar radiation on these same materials.

Single copy price: \$79.00

Obtain an electronic copy from: store accuristech.com

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

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-61A-2014 (R202x), Resistance to Soldering Heat from Rework Test Procedure for Electrical Connectors and Sockets Mounted on Printed Circuit Boards (reaffirmation of ANSI/EIA 364-61A-2014 (R2019))

This standard establishes a test method for determining if connectors or sockets can withstand exposure to solder rework conditions using either soldering iron, solder pot/fountain/wave solder, or hot gas/vapor techniques. It is important to note that compliant pin connectors or sockets can be affected by solder network if they are in close proximity to other connectors or sockets undergoing solder rework.

Single copy price: \$85.00

Obtain an electronic copy from: store accuristech.com

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

Comment Deadline: March 17, 2025

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-64-2014 (R202x), Shell Spring Finger Force Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-64-2014 (R2019))

This test procedure establishes a test method to directly determine the forces necessary to engage and separate the electromagnetic interference (EMI) plugs with a receptacle due to the spring fingers.

Single copy price: \$75.00

Obtain an electronic copy from: store accuristech.com

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

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LP-6-202x, Lighting Practice: Lighting Control Systems - Properties, Selection, and Specification (revision of ANSI/IES LP-6-20)

This Lighting Practice document is intended to provide designers, users, installers, commissioning providers, and other interested parties with guidance regarding the properties, selection, and specification of lighting control systems. This document does not provide guidance for the design and manufacture of lighting control equipment; such guidance is provided in standards published by manufacturer-specific organizations such as, in the U.S., the National Electrical Manufacturer's Association. This document does not address ultraviolet (UV) applications. (Refer to ANSI/IES RP-44-21, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) for more information regarding UV lighting systems.) This document does not address horticultural lighting. (Refer to ANSI/IES RP-45-21, Recommended Practice: Horticultural Lighting for more information regarding lighting for horticultural applications.) This document does not address retrofit applications of legacy lighting technologies. (Refer to ANSI/IES LP-9-20, Lighting Practice: Upgrading Lighting Systems in Commercial and Institutional Spaces for more information regarding upgrading lighting systems.)

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LP-9-202x, Lighting Practice: Upgrading Lighting Systems in Commercial and Industrial Facilities (revision of ANSI/IES LP-9-20)

This document addresses the general methods of performing a successful lighting upgrade.

- Included subject matter: Lighting upgrades for both retrofit and redesign of existing lighting systems.

- Excluded subject matter: Initial or new lighting designs outside the realm of upgrades. This document is written in general terms; every lighting project is unique due to a wide variety of factors (e.g., architectural and luminaire styles, age of the building and its lighting systems, tasks performed, age of occupants).

The designer should consult the manufacturer's most up-to-date information on the proposed new products.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

Comment Deadline: March 17, 2025

NEMA (National Electrical Manufacturers Association)

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

Revision

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

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

Single copy price: \$92.00

Obtain an electronic copy from: and_moldoveanu@nema.org

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

NEMA (National Electrical Manufacturers Association)

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

Revision

BSR/NEMA SM 31000-2-202x, Electrical Submeter - AC Active Energy Accuracy (revision of ANSI/NEMA SM 31000-2-2021)

The requirements of this Standard cover metrological requirements and associated testing for AC meters and meter systems rated at not more than 1000 V that measure active energy used in electrical energy submetering applications.

Single copy price: \$82.00

Obtain an electronic copy from: and_moldoveanu@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 461-202x, Standard for Fire Protection of Spaceport Facilities (new standard)

1.1* Scope. This standard shall establish the minimum fire protection and life safety requirements for the construction, operation, and maintenance of fixed or mobile buildings, structures, and operations associated with a spaceport as well as structures associated with testing and development of the launch vehicle.

Obtain an electronic copy from: www.nfpa.org/461Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/461Next

Comment Deadline: March 17, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 52-202x, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2023)

1.1* Scope. 1.1.1 This code shall apply to the design, installation, operation, and maintenance of compressed natural gas (CNG) and liquefied natural gas (LNG) engine fuel systems on vehicles of all types and for fueling vehicle (dispensing) systems and facilities, and associated storage, including the following:

- (1) Original equipment manufacturers (OEMs)
- (2) Final-stage vehicle integrator/manufacturer (FSVIM)
- (3) Vehicle fueling (dispensing) systems

1.1.2 This code shall apply to the design, installation, operation, and maintenance of LNG engine fuel systems on vehicles of all types, to their associated fueling (dispensing) facilities, and to LNG-to-CNG facilities with LNG storage in ASME containers of 100,000 gal (379 m³) or less. 1.1.3 This code shall not apply to those aspects of vehicles and fuel supply containers that are covered by federal motor vehicle safety standards (FMVSSs).

1.1.4 This code shall include marine, highway, rail, off-road, and industrial vehicles. 1.1.5 Where conflicts occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

Obtain an electronic copy from: www.nfpa.org/52Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/52Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 91-202x, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids (revision of ANSI/NFPA 91-2020)

1.1* Scope. 1.1.1 This standard provides minimum requirements for the design, construction, installation, operation, testing, and maintenance of exhaust systems for air conveying of vapors, gases, mists, and particulate solids as they relate to fire and/or explosion prevention, except as modified or amplified by other applicable NFPA standards. 1.1.2 This standard does not cover exhaust systems for conveying combustible particulate solids that are covered in other NFPA standards (see A.1.1).

Obtain an electronic copy from: www.nfpa.org/91Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/91Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 130-202x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2023)

1.1 Scope. 1.1.1* This standard shall cover life safety from fire and fire protection requirements for fixed guideway transit and passenger rail systems, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems. 1.1.2 Fixed guideway transit and passenger rail stations shall pertain to stations accommodating only passengers and employees of the fixed guideway transit and passenger rail systems and incidental occupancies in the stations. This standard establishes minimum requirements for each of the identified subsystems.

Obtain an electronic copy from: www.nfpa.org/130Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/130Next

Comment Deadline: March 17, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 160-202x, Standard for the Use of Flame Effects Before an Audience (revision of ANSI/NFPA 160-2021)

1.1* Scope. This standard shall provide requirements for the protection of the audience, support personnel, performers, the operator, assistants, and property where flame effects are used.

Obtain an electronic copy from: www.nfpa.org/160Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/160Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 307-202x, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves (revision of ANSI/NFPA 307-2021)

1.1 Scope. 1.1.1 This standard shall provide general principles for the construction and fire protection of marine terminals, piers, and wharves. 1.1.2 Nothing in this standard shall supersede any of the regulations of governmental or other regulatory authority. 1.1.3 The provisions of this standard shall reflect situations and state-of-the-art techniques at the time the standard was issued.

Obtain an electronic copy from: www.nfpa.org/307Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/307Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 312-202x, Standard for Fire Protection of Vessels During Construction, Conversion, Repair, and Lay-Up (revision of ANSI/NFPA 312-2021)

1.1 Scope. 1.1.1 This standard shall apply to vessels during the course of construction, conversion, repairs, or while laid up. 1.1.2 This standard shall not apply to situations where it is in conflict with or superseded by requirements of any government regulatory agency.

Obtain an electronic copy from: www.nfpa.org/312Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/312Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 715-202x, Standard for the Installation of Fuel Gases Detection and Warning Equipment (revision of ANSI/NFPA 715-2023)

1.1* Scope. 1.1.1 This standard shall be concerned with life safety and protection of property. 1.1.2* This standard shall cover the selection, design, application, installation, location, performance, inspection, testing, and maintenance of fuel gas detection and warning equipment in buildings and structures. 1.1.3 This standard shall contain requirements for the selection, installation, operation, and maintenance of equipment that detects concentrations of fuel gases that could pose a life or property safety risk.

Obtain an electronic copy from: www.nfpa.org/715Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/715Next

Comment Deadline: March 17, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 780-202x, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2023)

1.1 Scope. 1.1.1 This document shall cover traditional lightning protection system installation requirements for the following:

- (1) Ordinary structures
- (2) Miscellaneous structures and special occupancies
- (3) Heavy-duty stacks
- (4) Structures containing flammable vapors, flammable gases, or liquids that can give off flammable vapors
- (5) Structures housing explosive materials
- (6) Wind turbines
- (7) Watercraft
- (8) Airfield lighting circuits
- (9) Solar arrays

1.1.2* This document shall address lightning protection of the structure but not the equipment or installation requirements for electric generating, transmission, and distribution systems except as given in Chapter 9 and Chapter 12.

Obtain an electronic copy from: www.nfpa.org/780Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/780Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1122-202x, Code for Model Rocketry (revision of ANSI/NFPA 1122-2017)

1.1 Scope. 1.1.1 This code shall apply to the design, construction, limitation of rocket propellant mass and power, and reliability of model rocket motors and model rocket motor reloading kits and their components, produced commercially for sale to or for use by the public for purposes of education, recreation, and sporting competition.

1.1.2 This code also shall apply to the design and construction of model rockets propelled by model rocket motors specified in 1.1.1. 1.1.3 This code also shall apply to the conduct of launch operations of model rockets specified in 1.1.2.

Obtain an electronic copy from: www.nfpa.org/1122Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1122Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1123-202x, Code for Fireworks Display (revision of ANSI/NFPA 1123-2022)

1.1 Scope. 1.1.1 This code shall apply to the following:

- (1) Construction, handling, and use of fireworks and equipment intended for outdoor fireworks display
- (2) Operation of the display (See 3.3.16, Fireworks Display.)

Obtain an electronic copy from: www.nfpa.org/1123Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1123Next

Comment Deadline: March 17, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1124-202x, Code for the Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles (revision of ANSI/NFPA 1124-2022)

1.1 Scope. This code shall provide regulations for the construction, use, and maintenance of buildings and facilities for the following:

- (1) The manufacture and storage of fireworks, novelties, and pyrotechnic articles at manufacturing facilities
- (2) The storage of display fireworks, pyrotechnic articles, salute powder, pyrotechnic and explosive compositions, and Black Powder at other than display sites
- (3) The storage of consumer fireworks at display fireworks storage facilities
- (4) The transportation on public highways of fireworks, pyrotechnic articles, and components thereof containing pyrotechnic or explosive materials

1.1.1 This code shall not apply to the retail sales and related storage of consumer fireworks at the same site.

Obtain an electronic copy from: www.nfpa.org/1124Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1124Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1125-202x, Code for the Manufacture of Model Rocket and High-Power Rocket Motors (revision of ANSI/NFPA 1125-2022)

1.1.1* This code shall apply to the manufacture of model and high-power rocket motors designed, sold, and used for the purpose of propelling recoverable aero models. 1.1.2 This code shall apply to the design, construction, and reliability of model and high-power rocket motors and model rocket and high-power motor-reloading kits and their components, and to the limitation of propellant mass and power. 1.1.3

This code shall not apply to the sale and use of the following:

- (1) Model rocket motors (covered by NFPA 1122)
- (2) High-power rocket motors (covered by NFPA 1127)

Obtain an electronic copy from: www.nfpa.org/1125Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1125Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1126-202x, Standard for the Use of Pyrotechnics Before a Proximate Audience (revision of ANSI/NFPA 1126-2021)

1.1 Scope. This standard shall provide requirements for the protection of property, operators, performers, support personnel, and the viewing audiences where pyrotechnic effects are used indoors or outdoors with a proximate audience.

Obtain an electronic copy from: www.nfpa.org/1126Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1126Next

Comment Deadline: March 17, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1127-202x, Code for High Power Rocketry (revision of ANSI/NFPA 1127-2017)

The purpose of this code shall be to establish guidelines for reasonably safe operation of high power rockets to protect the user and the public.

Obtain an electronic copy from: www.nfpa.org/1127Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/1127Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1192-202x, Standard on Recreational Vehicles (revision of ANSI/NFPA 1192-2021)

1.1* Scope. This standard shall cover fire and life safety criteria for recreational vehicles.

Obtain an electronic copy from: www.nfpa.org/1192Next

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

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 779-2020 (R202x), Standard for Safety for Electrically Conductive Floorings (reaffirmation of ANSI/UL 779-2020)

(1) Reaffirmation and continuance of the Ninth Edition of the Standard for Safety for Electrically Conductive Floorings, UL 779, as an 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 27709-3995 | Julio.Morales@UL.org, <https://ulse.org/>

Revision

BSR/UL 48-202x, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2023)

This proposal for UL 48 covers: (1) Definitions for sign body, maintenance, and service; (2) Cast metal thickness; (3) Hinged panel pinch hazards; (4) Fabric sign faces; (5) Drain Openings; (6) Painted flexible metal conduit; (7) Mounting Hardware Loading Test; (8) Accessibility; (9) Thermal Spacings; (10) Supply connections for class 2 signs; (11) Rail-mounted components; (12) Digital Display Signs; (13) Marking Legibility; (14) Flag labels for portable signs; (15) Marking Minimum Letter Height; (16) Environmental location markings for multi-housing signs; (17) Editorial.

Single copy price: Free

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

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

Comment Deadline: March 17, 2025

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1558-202x, Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear (revision of ANSI/UL 1558-2019)

A proposed revision to UL 1558, Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear, which includes the following: (1) Revision of requirements for multiple source switchgear and (2) Editorial updates and addition of referenced publications.

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>

Comment Deadline: April 1, 2025

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 | kaittaniemi@iccsafe.org, www.iccsafe.org

Revision

BSR/ICC 500-202x, ICC/NSSA Standard for the Design and Construction of Storm Shelters (revision of ANSI/ICC 500-2020)

The objective of this Standard is to provide technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe, reliable, and economical storm shelters to protect the public. It is intended that this Standard be used by design professionals; storm shelter designers, manufacturers, and constructors; building officials; emergency management personnel and government officials to ensure that storm shelters provide a consistently high level of protection to the sheltered public.

Single copy price: Free

Order from: <https://codes.iccsafe.org/content/ICC5002023P1>

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

TMA (The Monitoring Association)

7918 Jones Branch Drive, Suite 510, McLean, VA 22102 | bjinn@tma.us, www.tma.us

New Standard

BSR/TMA ATN-01-202x, Monitoring Center Notification of Active Threat Detection (new standard)

Monitoring Centers are increasingly the recipient of what may be classified as non-traditional alerts; shot detection as an example. These events require immediate notification to Public Safety. The alert, as well as situational information may be received in the monitoring center from a human source, technology initiated, or a combination of both. Monitoring centers are increasingly monitoring shot detection, weapons detection, manual lock-down notification as well as other innovative threat technologies. Human interaction initiated as part of the alert may indicate an active shooter situation. These detection technologies and subsequent alerts are typically from facilities with high human presence.

Single copy price: Free

Order from: <https://tma.us/standards/tma-atn-01/>

Send comments (copy psa@ansi.org) to: <https://tma.us/standards/atn-01-comment-form/>

Comment Deadline: April 1, 2025

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 3202-202x, Standard for Safety for Mobile Electric Vehicle Charging Systems Integrated with Energy Storage Systems (new standard)

UL Standards: Engagement is proposing the first edition of the Standard for Mobile Electric Vehicle Charging Systems Integrated with Energy Storage Systems, UL 3202, as a standard and National Standard of Canada.

Single copy price: Free

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

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

Project Withdrawn

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

ASTM (ASTM International)

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

BSR/ASTM WK92088-202x, New Practice for Validation and Verification of Analytical Methods for Forensic Science Service Providers Performing Forensic Chemical Analyses (new standard)

Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

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

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

B11 (B11 Standards, Inc.)

179 Haw Creek Mews Dr. , Asheville, NC 28805 | cfelinski@b11standards.org, <https://www.b11standards.org/>

ANSI/ISO 12100-2012, Safety of machinery - General principles for design - Risk assessment and risk reduction (identical national adoption of ISO 12100:2010 and revision of ANSI/ISO 12100-1-2007

ANSI/ISO 12100-2-2007)

Send comments (copy psa@ansi.org) to: David Felinski, (832) 446-6999, dfelinski@b11standards.org;

DFelinski@plasticsindustry.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.

PDA (Parenteral Drug Association)

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

ANSI/PDA Standard 001-2020, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Christine Alston-Roberts <roberts@pda.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.

ADA (American Dental Association)

211 E. Chicago Avenue, Chicago, IL 60611-2678 | swickm@ada.org, www.ada.org

ANSI/ADA Standard No. 1110-1-2025, Dentistry - Validation dataset guidance for image analysis systems using artificial intelligence - Part 1: Image annotation and data collection (new standard) Final Action Date: 1/27/2025 | *New Standard*

APA (APA - The Engineered Wood Association)

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

ANSI/APA PRG 320-2025, Standard for Performance Rated Cross Laminated Timber (revision of ANSI/APA PRG 320-2019) Final Action Date: 1/27/2025 | *Revision*

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.21-1998 (R2025), Method for Preparation of a Standard Material for Dynamic Mechanical Measurements (reaffirmation of ANSI/ASA S2.21-1998 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ANSI/ASA S2.23-1998 (R2025), Single Cantilever Beam Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.23-1998 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ANSI/ASA S2.24-2001 (R2025), Graphical Presentation of the Complex Modulus of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.24-2001 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ASA (ASC S3) (Acoustical Society of America)

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

ANSI/ASA S3.39-1987 (R2025), Specifications for Instruments to Measure Aural Acoustic Impedance and Admittance (Aural Acoustic Immittance) (reaffirmation of ANSI/ASA S3.39-1987 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ANSI/ASA S3.41-2015 (R2025), Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI/ASA S3.41-2015 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ANSI/ASA S3.42-1992/Part 1 (R2025), Testing Hearing Aids with a Broad-Band Noise Signal (reaffirmation of ANSI/ASA S3.42-1992/Part 1 (R2020)) Final Action Date: 1/27/2025 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE AD5674-2004 SEP2015 (R2025), Tractors & machinery for Ag & forestry - Guards for PTO drive shafts - Strength & wear tests & acceptance criteria (reaffirmation of ANSI/ASABE AD5674-2004 SEP2015 (R2019)) Final Action Date: 1/27/2025 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B30.20-2025, Below-the-Hook Lifting Devices (revision of ANSI/ASME B30.20-2021) Final Action Date: 1/22/2025 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA B201-2025, Soda Ash (revision of ANSI/AWWA B201-2018) Final Action Date: 1/23/2025 | *Revision*

ANSI/AWWA B202-2025, Quicklime and Hydrated Lime (revision of ANSI/AWWA B202-2019) Final Action Date: 1/23/2025 | *Revision*

ANSI/AWWA F101-2025, Contact-Molded, Fiberglass-Reinforced Plastic Wash-Water Troughs and Launderers (revision of ANSI/AWWA F101-2019) Final Action Date: 1/27/2025 | *Revision*

ANSI/AWWA F102-2025, Matched-Die-Molded, Fiberglass-Reinforced Plastic Weir Plates, Scum Baffles, and Mounting Brackets (revision of ANSI/AWWA F102-2019) Final Action Date: 1/27/2025 | *Revision*

BHMA (Builders Hardware Manufacturers Association)

529 14th Street, NW, Suite 1280, Washington, DC 20045 | kbishop@kellencompany.com, www.buildershardware.com

ANSI/BHMA A156.35-2025, Standard for Power Supplies for Electronic Access Control (revision of ANSI/BHMA A156.35-2020) Final Action Date: 1/27/2025 | *Revision*

HL7 (Health Level Seven)

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

ANSI/HL7 EHR, R2.1-2020 (R2025), HL7 Electronic Health Record System Functional Model, Release 2.1 (reaffirmation of ANSI/HL7 EHR, R2.1-2020) Final Action Date: 1/22/2025 | *Reaffirmation*

ANSI/HL7 EHRS FM FP ENCPRS, R2-2020 (R2025), HL7 EHR-System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 2 (reaffirmation and redesignation of ANSI/HL7 EHRS FM FP ENCPRS, R2-2020) Final Action Date: 1/27/2025 | *Reaffirmation*

ANSI/HL7 EHRS IFP, R1-2020 (R2025), HL7 EHRS-FM Release 2: Immunization Functional Profile, Release 1 (reaffirmation and redesignation of ANSI/HL7 EHRS IFP, R1-2020) Final Action Date: 1/22/2025 | *Reaffirmation*

ANSI/HL7 V3 IG DS4P, R1-2014 (R2025), HL7 Implementation Guide: Data Segmentation for Privacy (DS4P), Release 1 (reaffirmation and redesignation of ANSI/HL7 V3 IG DS4P, R1-2014 (R2019)) Final Action Date: 1/22/2025 | *Reaffirmation*

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | crm@nena.org, www.nena.org

ANSI/NENA STA-045.1-2025, NENA Standard for 911/988 Interactions (new standard) Final Action Date: 1/27/2025 | *New Standard*

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

ANSI/NFRC 100-2023 E0A3, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2023 E0A2) Final Action Date: 1/23/2025 | *Revision*

ANSI/NFRC 200-2023 E0A4, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 E0A3) Final Action Date: 1/23/2025 | *Revision*

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

ANSI/RESNET/ICC 380-2025, Standard for Testing Airtightness of Building Enclosures, Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems (revision of ANSI/RESNET/ICC 380-2022) Final Action Date: 1/22/2025 | *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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- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

NCPDP - National Council for Prescription Drug Programs

Enrollment in the 2025 Consensus Group

Enrollment in the 2025 Consensus Group opens Monday, January 13, 2025 and closes at 8:00 p.m. EST on Friday, February 14, 2025. Information concerning the Consensus Group registration process is available by contacting:

Margaret Weiker, National Council for Prescription Drug Programs, 9240 East Raintree Drive, Scottsdale, AZ 85260
Phone: (480) 477-1000; Email: mweiker@ncdpd.org

Standards (Page 1 of 2):

- Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both “Desk Top” claim audits and for in-store audit notices.
- Batch Standard Subrogation - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.
- Benefit Integration Standard - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.
- Billing Unit Standard - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.
- Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.
- Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.
- Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).
- Medicaid Pharmacy Encounters Reporting – provides standardization of data content and file layout for reporting of Medicaid Managed Care Organization pharmacy claims to a state agency.
- Post Adjudication Standard – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.
- Prescription Drug Monitoring Programs (PDMP) Reporting Standard – developed to report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs.
- Prescription Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.
- Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.
- Product Identifiers Standard – developed to provide a standard for consistent formatting and utilization of product identifiers in healthcare and to provide clarification for maintenance of these specific product identifiers.
- Real-Time Prescription Benefit Standard – developed a real-time pharmacy benefit inquiry from a provider EMR application to: leverage pharmacy industry standards and technology infrastructure, to deliver an accurate, pharmacy specific, “Patient Pay Amount” for a proposed medication and quantity and to collaboratively align stakeholders.

ANSI Accredited Standards Developer

NCPDP - National Council for Prescription Drug Programs

Enrollment in the 2025 Consensus Group

Enrollment in the 2025 Consensus Group opens Monday, January 13, 2025 and closes at 8:00 p.m. EST on Friday, February 14, 2025. Information concerning the Consensus Group registration process is available by contacting:

Margaret Weiker, National Council for Prescription Drug Programs, 9240 East Raintree Drive, Scottsdale, AZ 85260
Phone: (480) 477-1000; Email: mweiker@ncpdp.org

Standards (Page 2 of 2):

- Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/ pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.
- SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.
- Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.
- Specialty Pharmacy Data Reporting Standard - provides a standardized format for the data submitted by specialty pharmacy to drug manufacturers/others to support programs and agreements between the parties.
- State Medicaid Provider File Standard - developed a standard by which state Medicaid agencies or other entities could communicate their provider data with the MCOs/PBMs in a consistent and streamlined manner.
- Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.
- Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 390-202x (I-P), Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps (revision of ANSI/AHRI Standard 390-2021 (I-P))

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1400-202x (I-P), Performance Rating of Indirect Water Heaters (new standard)

ASA (ASC S2) (Acoustical Society of America)

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

BSR S2.1/ISO 2041-202x, Mechanical Vibration, Shock, and Condition Monitoring Vocabulary (identical national adoption of ISO 2041:2018 and revision of ANSI/ASA S2.1-2009 (R2020), ISO 2041-2009 (R2020))

ASME (American Society of Mechanical Engineers)

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

BSR/ASME BPVC Section IXa-202x, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2023)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-26C (R202x), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014 (R2019))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-63-A-202x, Accessory Thread Strength Test Procedure for Circular Electrical Connectors (revision and redesignation of ANSI/EIA 364-63-2013 (R2019))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-11C-2014 (R202x), Resistance to Solvents Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-11C-2014 (R2019))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-49-2013 (R202x), Ultraviolet Radiation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-49-2013 (R2019))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-61A-2014 (R202x), Resistance to Soldering Heat from Rework Test Procedure for Electrical Connectors and Sockets Mounted on Printed Circuit Boards (reaffirmation of ANSI/EIA 364-61A-2014 (R2019))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-64-2014 (R202x), Shell Spring Finger Force Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-64-2014 (R2019))

IES (Illuminating Engineering Society)

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

BSR/IES LP-6-202x, Lighting Practice: Lighting Control Systems - Properties, Selection, and Specification (revision of ANSI/IES LP-6-20)

IES (Illuminating Engineering Society)

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

BSR/IES LP-9-202x, Lighting Practice: Upgrading Lighting Systems in Commercial and Industrial Facilities (revision of ANSI/IES LP-9-20)

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 17th St N #900,, Arlington, VA 22209 | Paul.Crampton@nema.org, www.nema.org

BSR C37.55-202x, Standard for Switchgear - Medium Voltage Metal-Clad Assemblies - Conformance Test Procedures (revision of ANSI C37.55-2020)

NEMA (National Electrical Manufacturers Association)

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

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

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA SM 31000-2-202x, Electrical Submeter - AC Active Energy Accuracy (revision of ANSI/NEMA SM 31000-2-2021)

NSF (NSF International)

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

BSR/NSF 359-2022 (i7r2), Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems (revision of ANSI/NSF 359-2022)

American National Standards (ANS) Announcements

Corrections

ASME - American Society of Mechanical Engineers

BSR/ASME QME-1-202x

The 11/8/2024, Call for Comment notice for this standard was in error. This public review period for this proposal was announced on November 1, 2024 and closed on December 31, 2024:

BSR/ASME QME-1-202x, Qualification of Active Mechanical Equipment Used in Nuclear Facilities
(revision of ANSI/ASME QME-1-2023)

Please direct inquiries to: psa@ansi.org

Rescind ANS Approval

ASTM International

ASTM F3539-2023

At the request of ASTM, the approval of ASTM F3539-2023 as an American National Standard has been rescinded.

Please direct inquiries to: Kate Chalfin <kchalfin@astm.org>.

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

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.

American National Standards Under Continuous Maintenance

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

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

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS

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

Teresa Ambrosius
tambrosius@aafs.org

ADA (Organization)

American Dental Association
211 E. Chicago Avenue
Chicago, IL 60611
www.ada.org

Mary Swick
swickm@ada.org

AHRI

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

Jerry Yeh
jyeh2@ahrinet.org

APA

APA - The Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
www.apawood.org

Borjen Yeh
borjen.yeh@apawood.org

ASA (ASC S2)

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

Raegan Ripley
standards@acousticalsociety.org

ASA (ASC S3)

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
2590 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>

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ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
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Peachtree Corners, GA 30092
www.ashrae.org

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ASME

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

Terrell Henry
ansibox@asme.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
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www.awwa.org

Madeline Rohr
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BHMA

Builders Hardware Manufacturers
Association
529 14th Street, NW, Suite 1280
Washington, DC 20045
www.buildershardware.com

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ECIA

Electronic Components Industry
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13873 Park Center Road, Suite 315
Herndon, VA 20171
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Laura Donohoe
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HL7

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

ICC

International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
www.iccsafe.org

Karl Aittaniemi
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IEEE

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

Teresa Belmont
t.belmont@ieee.org

IES

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

Patricia McGillicuddy
pmcgillicuddy@ies.org

IICRC

The Institute of Inspection, Cleaning and
Restoration Certification
4043 S Eastern Ave.,
Las Vegas, NV 89119
<https://www.iicrc.org>

Mili Washington
mwashington@iicrcnet.org

NEMA

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

Andrei Moldoveanu
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NEMA (ASC C37)

National Electrical Manufacturers
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1300 17th St N #900,
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Paul Crampton
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NENA

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

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org
Dawn Michele Bellis
dbellis@nfpa.org

NFRC

National Fenestration Rating Council
6305 Ivy Lane, Suite 140
Greenbelt, MD 20770
www.nfrc.org
Jen Padgett
jpadgett@nfrc.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org
Monica Milla
mmilla@nsf.org

NWRA (ASC Z245)

National Waste & Recycling Association
1550 Crystal Drive Suite 804
Arlington, VA 22202
www.wasterecycling.org
Yashuwa Jerry
yjerry@wasterecycling.org

RESNET

Residential Energy Services Network, Inc.
P.O. Box 4561
Oceanside, CA 92052
www.resnet.us.com
Richard Dixon
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TMA

The Monitoring Association
7918 Jones Branch Drive, Suite 510
McLean, VA 22102
www.tma.us
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ULSE

UL Standards & Engagement
12 Laboratory Drive
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ULSE

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megan.monsen@ul.org

ISO & IEC Draft International Standards



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

COMMENTS

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

Those regarding IEC documents should be sent to 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

Aircraft and space vehicles (TC 20)

ISO/DIS 11227, Space systems - Test procedures to evaluate spacecraft material ejecta upon hypervelocity impact - 4/17/2025, \$88.00

Gears (TC 60)

ISO/DIS 14521, Gears - Calculation of load capacity of worm gears - 4/14/2025, \$155.00

Graphical symbols (TC 145)

ISO 7010:2019/DAmD 161, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 161: Safety sign P079: No ice skating - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 164, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 164: Safety sign W084: Warning; Thunderstorm - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 162, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 162: Safety sign W082: Warning; Crevasses under snow - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 163, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 163: Safety sign W083: Warning; Avalanche - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 159, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 159: Safety sign P077: No snowboarding - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 158, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 158: Safety sign P076: No skiing - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 153, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 153: Safety sign M063: Remove ski strap from wrist - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 157, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 157: Safety sign M067: Wear snow goggles - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 154, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 154: Safety sign M064: Hold two ski poles with a single hand - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 155, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 155: Safety sign M065: Children must be accompanied - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 156, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 156: Safety sign M066: Wear a sports helmet - 4/20/2025, \$29.00

ISO 7010:2019/DAmD 152, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 152: Safety sign E071: Rescue toboggan - 4/20/2025, \$29.00

Human resource management (TC 260)

ISO/DIS 30201, Human resources management systems - Requirements - 4/13/2025, \$88.00

Optics and optical instruments (TC 172)

ISO/DIS 21575, Raw optical glass - The powder test method for the water resistance of optical glass - Test method and classification - 4/12/2025, \$40.00

Road vehicles (TC 22)

ISO/DIS 23150-14, Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 14: Ultrasonic specific interfaces - 4/11/2025, \$88.00

ISO/DIS 23150-15, Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 15: Microphone specific interfaces - 4/11/2025, \$67.00

Rubber and rubber products (TC 45)

ISO/DIS 2230, Rubber products - Guidelines for storage - 4/12/2025, \$58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 6048-5, Information technology - JPEG AI learning-based image coding system - Part 5: File format - 4/13/2025, \$58.00

ISO/IEC DIS 30113-62, Information technology - Gesture-based interfaces across devices and methods - Part 62: Multi-point gestures for screen readers - 4/13/2025, \$62.00

IEC Standards**All-or-nothing electrical relays (TC 94)**

94/1121/CD, IEC 63522-55 ED1: Electrical Relays - Tests and measurements - Part 55: Maximum load breaking capacity, 03/21/2025

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

46F/693/CDV, IEC 61169-23 ED1: Radio-frequency connectors - Part 23: Pin and socket connector for use with 3.5 mm rigid precision coaxial lines with inner diameter of outer conductor of 3.5 mm (0.1378 in), 03/21/2025

46A/1714/CDV, IEC 61196-1-128 ED1: Coaxial communication cables - Part 1-128: Electrical test methods - Polarization directivity of radiating cable, 04/18/2025

46/1040(F)/FDIS, IEC 62037-3 ED3: Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors, 02/28/2025

46/1039(F)/FDIS, IEC 62037-8 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation, 02/28/2025

46/1042/CD, IEC 62153-4-17/AMD1 ED1: Amendment 1 - Metallic cables and other passive components - Test methods - Part 4-17: Electromagnetic compatibility (EMC) - Reduction factor, 03/21/2025

Documentation and graphical symbols (TC 3)

3/1699/CD, IEC 81346-50 ED1: Industrial systems, installations and equipment and industrial products – Structuring principles and reference designation - Part 50: Processes, 04/18/2025

Electrical accessories (TC 23)

23B/1563/CD, IEC 60669-2-1 ED6: Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices, 03/28/2025

23B/1564/CD, IEC 60884-2-4 ED4: Plugs and socket-outlets for household and similar purposes - Part 2-4: Particular requirements for plugs and socket-outlets for SELV, 04/18/2025

23A/1104/CDV, IEC 61196-1-326 ED2: Coaxial communication cables - Part 1-326: Test methods - Clamps test, 04/18/2025

Electrical apparatus for explosive atmospheres (TC 31)

31G/417/CDV, IEC 60079-25/AMD1 ED3: Amendment 1 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems, 03/21/2025

31M/249/CD, ISO/IEC 80079-20-1 ED2: Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data, 03/21/2025

Electrical equipment in medical practice (TC 62)

62A/1644/NP, PNW TS 62A-1644 ED1: Risk Management for Combination Products, 04/18/2025

Electromagnetic compatibility (TC 77)

77A/1240/CD, IEC 61000-3-3 ED4: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection, 03/21/2025

77B/896(F)/FDIS, IEC 61000-4-2 ED3: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test, 02/07/2025

77A/1236/CDV, IEC 61000-4-27/AMD2 ED1: Amendment 2 - Electromagnetic compatibility (EMC) - Part 4-27: Testing and measurement techniques - Unbalance, immunity test, 04/18/2025

77A/1235/CDV, IEC 61000-4-30 ED4: Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods, 04/18/2025

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

104/1094/FDIS, IEC 60721-3-6 ED2: Classification of environmental conditions. Part 3: Classification of groups of environmental parameters and their severities - Ship environment, 03/07/2025

Fibre optics (TC 86)

86A/2522/CDV, IEC 60794-1-136 ED1: Optical fibre cables - Part 1-136: Generic specification - Basic optical cable test procedures - Determination of the maximum applicable push force during cable installation by blowing, 04/18/2025

86A/2539(F)/FDIS, IEC 60794-1-208 ED1: Optical fibre cables - Part 1-208: Generic specification - Basic optical cable test procedures - Environmental test methods - Pneumatic resistance, Method F8, 02/28/2025

86C/1961/CD, IEC 61757-1-4 ED1: Fibre optic sensors - Part 1-4: Strain measurement - Distributed sensing based on Rayleigh scattering, 03/21/2025

Flat Panel Display Devices (TC 110)

110/1734/CD, IEC 63211-3-3 ED1: Durability test methods for electronic displays - Part 3-3: Mechanical tests - Dynamic stress, 03/21/2025

Industrial-process measurement and control (TC 65)

65/1112/CD, IEC 62443-1-1 ED1: Security for automation and control systems - Part 1-1: Overview and Guidance for the IEC 62443 Series, 03/21/2025

Insulating materials (TC 15)

15/1046/FDIS, IEC 60684-2 ED4: Flexible insulating sleeving - Part 2: Methods of test, 03/07/2025

Insulators (TC 36)

36/612/FDIS, IEC 62217 ED3: Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria, 03/07/2025

36/614/DTS, IEC TS 60815-1 ED2: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles, 03/21/2025

36/615/DTS, IEC TS 60815-2 ED2: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems, 03/21/2025

36A/254/CD, IEC TS 63493-2 ED1: Transformer bushings dimensional standardization - Part 2: High voltage bushings., 04/18/2025

Magnetic components and ferrite materials (TC 51)

51/1536/CDV, IEC 63093-10 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 10: PM-cores and associated parts, 04/18/2025

51/1537/CDV, IEC 63093-2 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications, 04/18/2025

51/1538/CDV, IEC 63093-4 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 4: RM-cores, 04/18/2025

51/1539/CDV, IEC 63093-5 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 5: EP-cores and associated parts for use in inductors and transformers, 04/18/2025

51/1535/CDV, IEC 63093-9 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 9: Planar cores, 04/18/2025

Marine energy - Wave, tidal and other water current converters (TC 114)

114/567/NP, PNW TS 114-567 ED1: Guideline for Research and Development of Small/ Tiny Wave Energy Converters, 04/18/2025

Measuring equipment for electromagnetic quantities (TC 85)

85/948/DTS, IEC TS 62586-3 ED1: Power quality measurement in power supply systems - Part 3: Maintenance tests, calibration, 03/21/2025

Performance of household electrical appliances (TC 59)

59K/410(F)/FDIS, IEC 60350-1/AMD1 ED3: Amendment 1 - Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance, 02/28/2025

59M/178/CDV, IEC 62552-1/AMD2 ED1: Amendment 2 - Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements, 04/18/2025

59M/179/CDV, IEC 62552-2/AMD2 ED1: Amendment 2 - Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements, 04/18/2025

59M/180/CDV, IEC 62552-3/AMD2 ED1: Amendment 2 - Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume, 04/18/2025

Rotating machinery (TC 2)

2/2223/CDV, IEC 60072-3 ED2: Dimensions and output series for rotating electrical machines - Part 3: Small built-in motors - Flange numbers BF10 to BF50, 04/18/2025

Safety of household and similar electrical appliances (TC 61)

61/7385/DTS, IEC TS 63576 ED1: Evaluation methods for protection against risk of fire in electric tumble dryers, 03/21/2025

Safety of machinery - Electrotechnical aspects (TC 44)

44/1055/CD, IEC 61496-1 ED5: Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests, 04/18/2025

44/1056/CD, IEC 61496-2 ED5: Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs), 04/18/2025

Secondary cells and batteries (TC 21)

21A/910/CDV, IEC 63369-1 ED1: Carbon footprint calculation applicable to industrial lithium-ion batteries - Part 1: General requirements and methodology, 03/21/2025

Semiconductor devices (TC 47)

47/2902(F)/FDIS, IEC 60749-34-1 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 34-1: Power cycling test for power semiconductor module, 02/28/2025

(TC)

CIS/1/686/CD, CISPR 32 ED3: Electromagnetic compatibility of multimedia equipment - Emission requirements, 03/21/2025

SyCSmartCities/365/DTS, IEC SRD 63320-2 ED1: Smart city use case collection and analysis - Smart urban planning for smart cities - Part 2: Use case analysis, 03/21/2025

(TC 125)

125/110/CDV, IEC 63281-2-2 ED1: E-Transporters - Part 2-2: Safety requirements and test methods for autonomous cargo e-Transporters, 04/18/2025

ISO/IEC JTC 1, Information Technology**(TC 43)**

JTC1-SC43/134/DTR, ISO/IEC TR 27599 ED1: Information technology - Brain-computer interfaces - Use cases, 03/21/2025



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

Aircraft and space vehicles (TC 20)

[ISO 15104:2025](#), Space systems - Environmental testing for spacecraft thermal control materials, \$166.00

Ergonomics (TC 159)

[ISO 25062:2025](#), Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Common Industry Format (CIF) for reporting usability evaluations, \$194.00

Ferroalloys (TC 132)

[ISO 7692:2025](#), Ferrotitanium - Determination of titanium content - Titrimetric method, \$81.00

Fire safety (TC 92)

[ISO 22899-3:2025](#), Determination of the resistance to jet fires of passive fire protection materials - Part 3: Extended test requirements, \$223.00

Innovation management (TC 279)

[ISO 56000:2025](#), Innovation management - Fundamentals and vocabulary, \$194.00

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

[ISO 13628-1:2025](#), Oil and gas industries including low carbon energy - Design and operation of subsea production systems - Part 1: General requirements and recommendations, \$194.00

Paints and varnishes (TC 35)

[ISO 11126-11:2025](#), Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 11: Volcanic lava, \$54.00

Personal safety - Protective clothing and equipment (TC 94)

[ISO 16900-6:2021/Amd 1:2025](#), - Amendment 1: Respiratory protective devices - Methods of test and test equipment - Part 6: Mechanical resistance/strength of components and connections - Amendment 1, \$23.00

Plastics (TC 61)

[ISO 10350-1:2025](#), Plastics - Acquisition and presentation of comparable single-point data - Part 1: Moulding materials, \$81.00

Water re-use (TC 282)

[ISO 12370:2025](#), Guidelines for treatment and reuse of fermentation-based pharmaceutical wastewater, \$124.00

ISO Technical Reports

Sharing economy (TC 324)

[ISO/TR 42507:2025](#), Sharing economy - Use cases of sharing economy platforms in the public sector, \$81.00

ISO Technical Specifications

Copper, lead and zinc ores and concentrates (TC 183)

[ISO/TS 15855:2025](#), Copper, lead and zinc sulfide concentrates - Step-by-step procedure for the testing of static scales, \$54.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

[ISO/TS 24399:2025](#), Thermoplastic pipes for the conveyance of fluids - Inspection of polyethylene butt fusion joints using time of flight diffraction testing, \$166.00

Technical drawings, product definition and related documentation (TC 10)

[ISO/TS 81346-101:2025](#), Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 101: Modelling concepts, guidelines and requirements for power supply systems, \$278.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 11801-9906:2025](#), Information technology - Generic cabling for customer premises - Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE), \$193.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 18046-5:2025](#), Information technology - Radio frequency identification device performance test methods - Part 5: Test methods for the environmental characteristics of RFID tags used in sporting goods, \$166.00

[ISO/IEC 18181-3:2025](#), Information technology - JPEG XL image coding system - Part 3: Conformance testing, \$81.00

[ISO/IEC 23092-1:2025](#), Information technology - Genomic information representation - Part 1: Transport and storage of genomic information, \$278.00

[ISO/IEC 23090-25:2025](#), Information technology - Coded representation of immersive media - Part 25: Conformance and reference software for carriage of visual volumetric video-based coding data, \$124.00

[ISO/IEC TS 24718:2025](#), Information technology - Programming languages - Guidance for the use of the Ada Ravenscar Profile in high integrity systems, FREE

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).

International Organization for Standardization (ISO)

Establishment of ISO/IEC Joint Technical Committee

Smart and Sustainable Cities and Communities

Comment Deadline: February 7, 2025

AFNOR, the ISO member body for France, has submitted to ISO a proposal to establish a new ISO/IEC Joint Technical Committee (JTC) on Smart and Sustainable Cities and Communities to consolidate the range of different initiatives into one structure.

Here is the proposed scope statement:

Standardization in the field of smart and sustainable cities and communities, including the development of requirements, frameworks, guidance and supporting techniques and tools related to the achievement of sustainable development.

The scope includes resilience and disaster risk reduction, sustainability and sustainable mobility and transport, community infrastructure, climate change mitigation and adaptation, digitalization, and ICT and system aspects only as it pertains to and helps all cities and communities and their interested parties, in both rural and urban areas, become more sustainable and smarter. It also fosters the development of standards with electrotechnology to support the integration, interoperability and effectiveness of city systems.

It recognizes the strategic importance of collaborating with, building on and highlighting the work of existing ISO, IEC and Joint Technical Committees, to ensure a coherent set of standards.

JTC4 is responsible for the overall system aspects and infrastructure aspects of smart and sustainable cities and communities, as well as the coordination of the overall ISO/IEC work program in this field including the schedule for standards development, taking into account the work of existing international standardization bodies and existing work of ISO and IEC technical committees”

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, February 7, 2025.

New Secretariats

ISO Committee 327 – Natural Stones

Comment Deadline: Feb 3, 2025

The Natural Stone Institute (NSI) has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 327 secretariat to NSI. The secretariat was previously held by ANSI and the secretariat transfer is supported by the U.S. TAG. ISO/TC 327 operates under the following scope:

Standardization of definitions, requirements and test methods for natural stones relating to rough blocks, slabs, semifinished and finished products intended for use in in flooring/pavement, stairs, wall veneer/cladding, countertops and other uses for both interior and exterior applications.

Organizations wishing to comment on the delegation of the responsibilities 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.

1 S410 Standard for Professional Cleaning of the Built Environment for Infection 2 Prevention and Control

3 4 Substantive Changes Document

5
6 Second Limited Public Review (January 2025). Draft shows Proposed Changes to Current Standard.
7

8 **Note to Reviewers:** *These changes are indicated in the text by underlining (for additions) and strikethrough
9 (for deletions). Only these changes to the current standard are open for review and comment at this time.
10 Additional material is provided for context only and is not open for comment except as it relates to the
11 proposed changes.*

12 13 S410 Draft Standard Title

14 IICRC S410 Standard for Professional Cleaning of the Built Environment for Infection Prevention and
15 Control

16 17 A.1 Scope and Purpose

18 It addresses how to enhance routine cleaning processes to decrease exposure risks to microorganisms
19 that are classified as Bio Safety Risk Groups 1 and 2, but not Bio Safety Risk Groups 3 and 4, germs and
20 pathogens and increase confidence through consistent optimal outcomes during outbreak or crisis events.

21
22 This includes but is not limited to professional cleaners cleaning technicians and cleaning operations who
23 clean residential properties, schools, congregant and community living facilities, group homes,
24 commercial property, and facility managers, ~~all cleaning companies whether~~ Cleaning operations is
25 inclusive of in-house or contract services, ~~and cleaning technicians.~~

26 27 A.2 Application

28 This includes but is not limited to cleaning technicians and cleaning operations who clean residential
29 properties, schools, congregant and community living facilities, group homes, commercial property, and
30 facility managers. Cleaning operations is inclusive of in-house or contract services.

31
32 This Standard is not intended for emergency response of a hazardous substance as defined in OSHA CFR
33 1910.120, biological safety facilities such as institutional laboratories, pharmaceutical research, food
34 manufacturing facilities, and government laboratories.

35 36 Definitions

37
38 **Bio Safety Risk Group 1** (no or low individual and community risk): a microorganism that is unlikely to
39 cause human disease or animal disease.

40
41 **Bio Safety Risk Group 2** (moderate individual risk, low community risk): a pathogen that can cause human
42 or animal disease but is unlikely to be a serious hazard to laboratory workers, the community, livestock or
43 the environment. Laboratory exposures may cause serious infection, but effective treatment and
44 preventative measures are available and the risk of spread of infection is limited.

45
46 **Bio Safety Risk Group 3** (high individual risk, low community risk): a pathogen that usually causes serious
47 human or animal disease but does not ordinarily spread from one infected individual to another. Effective
48 treatment and preventive measures are available.

49
50 **Bio Safety Group 4** (high individual and community risk): a pathogen that usually causes serious human
51 or animal disease and that can be readily transmitted from one individual to another, directly or indirectly.
52 Effective treatment and preventive measures are not usually available.
53

1 **Hazard identification:** the process of finding, listing, and characterizing hazards.

2
3 **One-Step Disinfectant:** a product with an EPA registered (or equivalent) claim that it can clean and
4 disinfect a non-porous surface in the presence of light to moderate organic soiling without a separate
5 cleaning step.

6
7 **1.1 Cleaning Principles - Introduction**

8 It is a process to clean and disinfect what is not visible to the naked eye (targeting microorganisms).

9
10 **1.3 Enhanced Cleaning**

11 It is recommended that cleaning operations are aware of health alerts within their facility and the community
12 that may pose health risks to occupants such as an increase in viral respiratory illnesses or an increase in
13 vomiting and diarrhea in the area. Enhanced cleaning *should* be implemented when there are health
14 indicators/alerts which are unusual for the environment. This proactive step uses reasonable precautions
15 to reduce the risk of an infectious outbreak. It is recommended that enhanced procedures include, but are
16 not limited to, the following:

- 17
- 18
 - additional hazard and risk assessments for workers and occupants;
 - 19 - consideration of isolation of the contamination zone using appropriate engineering controls;
 - 20 - using enhanced Personal Protective Equipment (PPE), appropriate to the microorganism/hazard;
 - 21 - increasing the cleaning frequency (increased staffing as required (surge capacity));
 - 22 - enhanced cleaning work procedures with introduction of a disinfectant;
 - 23 - review of disinfectant efficacy against microorganism/hazard of concern;
 - 24 - prioritize high touch surfaces (e.g., pens, counters, door handles, stair rails, elevator buttons,
 - 25 - touchpads, restroom fixtures, desks);
 - 26 - increased supervision (quality control);
 - 27 - ~~▪ increasing contact cleaning (high touch surfaces) in common areas within the environment;~~
 - 28 - initiating audit and testing processes (Refer to Section 11 Quality Assurance Management);
 - 29 - ~~▪ ensuring enhanced supervision and communication between all stakeholders;~~
 - 30 - ~~▪ confirming that the disinfectant's efficacy covers the target pathogen;~~
 - 31 - ~~▪ using enhanced Personal Protective Equipment (PPE), appropriate to the pathogen; and~~
 - 32 - increasing documentation and communication where necessary; and
 - 33 - consideration of use of a specialty service contractor.

34
35 **1.4 Crisis or Outbreak Cleaning**

36 Outbreak cleaning is triggered when the relevant public health authority (e.g., US Public Health Service,
37 Public Health Agency of Canada) declares an outbreak. Cleaning operations *shall* work in collaboration
38 with, and follow directions established by the health authority to address the outbreak appropriately, when
39 required. The cleaning operation *should* protect the personnel performing the cleaning as well as the
40 occupants of the space being cleaned from exposure to airborne hazards.

41
42 ~~Crisis cleaning is triggered by an event requiring an immediate, elevated response (e.g. vomit, crime or~~
43 ~~trauma scene, anthrax).~~ It is recommended that crisis or outbreak procedures include, but are not limited
44 to, the following:

- 45
- 46 ~~▪ additional hazard and risk assessments;~~
- 47 ~~▪ increased personal protective equipment (PPE);~~
- 48 ~~▪ isolation of the contamination zone using appropriate engineering controls;~~
- 49 ~~▪ enhanced cleaning work procedures;~~
- 50 ~~▪ review of disinfectant efficacy;~~
- 51 ~~▪ designated equipment and enhanced cleaning controls of that equipment;~~
- 52 ~~▪ increased cleaning frequency;~~
- 53 ~~▪ increased staffing (surge capacity);~~
- 54 ~~▪ increased supervision (quality control);~~

- 1 ~~▪ testing, sampling verification (auditing of efficacy); and~~
- 2 ~~▪ increased communication and documentation; or use of a specialty service contractor.~~

3
4 Cleaning for infection control needs to be considered as:

- 5
- 6 1. ~~cleaning of settled biological agents, such as during Covid; and~~
- 7 2. ~~biological agents introduced by other ways.~~

8
9 ~~In the airborne sources of contamination, during cleaning, t~~The act of cleaning itself may reintroduces the
10 biological agents back into the air. The cleaning operation *should* be aware of these concerns and provide
11 preventive measures ~~to not only prevent biological agents getting into the air, but also have~~ and controls to
12 deal with it.

13
14 ~~The engineering controls are ventilation and filtration, and the equipment *should* be considered as part of~~
15 ~~the process such as HEPA equipped air scrubbers and or negative air machines. The a~~Air quality would will
16 depend on the cleaning agent's effectiveness in cleaning, the work practices engineering controls, work
17 practices, and the cleaning agent's effectiveness. ~~as well as the presence or absence of chemicals used in~~
18 ~~the process. The cleaning operation needs to be aware that the personnel performing the cleaning are~~
19 ~~protected from exposure to airborne hazards, as well as the occupants of the space being cleaned. HEPA~~
20 filtration equipment (vacuums, air scrubbers) can be an engineering control.

21 22 **3.1 Equipment, Tools, and Supplies - Introduction**

23 The cleaning operation should conduct a risk assessment related to possible scenarios that may be
24 encountered during enhanced/outbreak cleaning and have the appropriate ETS sourced for future use.

25 26 **3.3.2 Wipes, Cleaning Cloths/Microfibers, Flat Mops and String Mops**

27
28 If manufacturer's instructions for use are not available, the following rules *should* be applied to re-usable
29 items:

- 30
- 31 ~~▪~~ pre-rinse heavily soiled cloths and mops of all types before laundering;
- 32 ~~▪~~ launder colors in separate loads if using color coding;
- 33 ~~▪~~ launder used cloths and mops as soon as reasonably possible. Launder after each use to prevent
34 bacteria or fungi/mold from growing; and
- 35 ~~▪~~ avoid high heat during dry cycle for many microfiber products to prevent fiber breakdown.
- 36 ~~▪~~ bleach *should* not be used as it can damage the fiber.
- 37 ~~▪~~ fabric softener *should* not be used as it coats the fiber ruining many of the benefits/properties of
38 the microfiber (Rutala 2007).
- 39 ~~▪~~ mixing microfiber with other fibers in the same load *should* be avoided to prevent lint attraction.

40 41 **4.4 Disinfectant Product Use**

42 The risks of application methods *should* be considered (i.e., PPE required, health issues).

43 44 **4.4.1 Dilution Control Systems**

45 Dilution control testing *should* be performed when a new bottle of concentrate is added to the dilution station
46 and at least weekly is recommended to confirm dilution accuracy.

47 48 **8.3 Risk Management**

49 In order to protect all parties involved, cleaning operations *should* offer infection prevention measures (e.g.,
50 cleaning, sanitizing and disinfecting services, identify risks early) and adapt them as needed during the
51 project. It is recommended that a written risk management plan include a strategy to promote a culture of
52 prevention and safety, aimed at minimizing harmful events and responding to crisis situations quickly and
53 competently. To ensure a successful risk management strategy, effective communication and ongoing

1 training programs are recommended. These infection prevention measures *should* be regularly assessed
2 and revised throughout an outbreak.
3

4 **10.1 Limitations, Complexities, Complications, and Conflicts - Introduction**

5 Before initiating work, and minimizing challenges or hurdles for employees, occupants, and other end-users
6 cleaning operations *should* carry out an initial inspection using a qualified person to identify any known or
7 anticipated Limitations, Complexities, ~~Complications, or Conflicts~~ (LCCs) that may arise during the project.
8

DRAFT

1 **S900 Standard for Professional Remediation of Precursors, Drug Residues, and** 2 **Associated Chemical Waste - Substantive Changes Document**

3
 4 Second Limited Public Review (January 2025). Draft shows Proposed Changes to Current Standard.

5
 6 **Note to Reviewers:** *These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~*
 7 *(for deletions). Only these changes to the current standard are open for review and comment at this time.*
 8 *Additional material is provided for context only and is not open for comment except as it relates to the*
 9 *proposed changes.*

10 **Definitions**

11
 12
 13 **Competent person:** one who is capable of identifying existing and predictable hazards in the surroundings
 14 or working conditions which are unhygienic, hazardous, or dangerous to employees, and who has
 15 authorization to take prompt corrective measures to eliminate them. By way of training and/or experience,
 16 a competent person is knowledgeable of applicable regulations and standards, is capable of identifying
 17 workplace hazards relating to the specific operation, and has the authority to correct them. Some standards
 18 add additional specific requirements which must be met by the competent person.

19
 20 **Jobsite Hazard Analysis (JHA):** is a systematic process used to identify, evaluate, and control potential
 21 hazards associated with specific tasks or jobs at a worksite. It focuses on the step-by-step breakdown of a
 22 job or activity to pinpoint risks and develop safety measures to prevent injuries or incidents during its
 23 execution.

24
 25 **Practitioner:** for the purpose of this standard, a person who demonstrates competency from training and
 26 experience to restore the ~~worksite to be suitable for occupancy or use a safe and healthy condition.~~

27
 28 **Worksite Hazard Assessment (WHA):** is a systematic process used to identify, evaluate, and mitigate
 29 potential hazards present at a worksite. It focuses on site-wide risks that may affect workers, equipment,
 30 and the overall safety of operations. The analysis considers environmental, physical, and situational factors
 31 to ensure the worksite is safe and compliant with regulatory standards.

32 **1.3 Hazard Protection of Practitioners and Occupants**

33 The Hierarchy of Control are measures that eliminate or reduce the hazards and risks (e.g., engineering
 34 controls, administrative controls, and the use of Personal Protective Equipment (PPE)) ~~shall be~~ is the
 35 primary means for preventing and minimizing exposure.
 36

37 **1.4 Site Inspection and Assessment**

38 Practitioners ~~shall~~ complete JHA/JSA worksite hazard analysis (WHA) to develop their scope of work and
 39 prior to issuing PPE and beginning remediation.

40 **1.5.1 Documentation Prior to Remediation**

41 Practitioners shall follow all applicable governmental regulations in their area.
 42

43 **1.5.2 Remediation Plan**

44 Practitioners shall follow all applicable governmental regulations in their area.
 45

46 **1.6.1 Documentation During Remediation**

47 Regarding documentation, practitioners shall follow all applicable governmental regulations in their area.
 48

49 **3.5.2 Preliminary Testing or Assessment**

50 ~~Practitioners~~ Specialized experts ~~should~~ undertake preliminary testing or assessment independent of those
 51 undertaking remediation the practitioner to avoid any potential conflicts of interest.
 52
 53
 54

1 When sampling is requested or required, one or more of the following methods *should* be used:

- 2 ▪ collection of surface wipe samples for presumptive/immunoassay analysis following the
- 3 manufacturer's instructions. Presumptive/immunoassay test methods are not quantitative and
- 4 *should* only be used to determine the presence or absence of contamination;
- 5 ▪ collection of surface wipe samples for quantitative analysis, following *NIOSH 9111*
- 6 *Methamphetamine on Wipes by Liquid Chromatography/Mass Spectrometry*, from representative
- 7 locations and laboratory analysis for drugs, as relevant to the site. Samples may also be analyzed
- 8 for additional contaminants, as relevant to the situation at the site (e.g., metals, iodine, pesticides);
- 9 ▪ collection of bulk samples (e.g., unknown powders or liquids, soil and water including wastewater
- 10 in septic system) for analysis using presumptive/immunoassay analysis relevant to the drug of
- 11 concern or laboratory analysis for drugs. Samples may also be analyzed for additional
- 12 contaminants, as relevant to the situation at the site (e.g., metals, iodine, and pesticides). Metals
- 13 may be analyzed using X-ray Fluorescence (XRF); and
- 14 ▪ sampling of air for the purpose of characterizing the presence of Volatile Organic Compounds
- 15 (VOCs) or other gases (e.g., ammonia). This may be undertaken using a Photoionization Detector
- 16 (PID) (ppb level) or the sampling of air onto a sorbent tube or into evacuated canisters for laboratory
- 17 analysis.

19 3.5.3 Reporting and Communication

20 An initial assessment or walk through ~~may~~ should include, but is not limited to the following documentation:

- 21 ▪ information obtained from the initial hazard and risk assessment;
- 22 ▪ address of the site inspection;
- 23 ▪ date of the site inspection;
- 24 ▪ information received prior to the site inspection;
- 25 ▪ ~~initial hazard and risk assessment for the site inspection;~~
- 26 ▪ observations and records including photographs, thermographs, and recordings;
- 27 ▪ PPE requirements adopted for the site inspection; and
- 28 ▪ sampling and presumptive testing.

30 Further information required after the initial inspection or walk through ~~should~~ may include, but not be limited to the following:

- 31 ▪ parties in attendance at the site inspection;
- 32 ▪ an adequate written contract with the client;
- 33 ▪ additional information obtained at, or following the site inspection, site layout including
- 34 description of building(s) construction. Presence of the following may include, but are not limited
- 35 to:
- 36 ○ confined spaces (e.g., crawlspace or subfloor areas);
- 37 ○ basements, attics, suspended ceilings;
- 38 ○ presence of sewer connections or septic tanks;
- 39 ○ wall cavities;
- 40 ○ elevator shafts and trash chutes;
- 41 ○ electrical chases or ductwork; and
- 42 ○ HVAC systems and ductwork, chimneys, exhaust shafts.
- 43 ▪ information on adjacent properties (e.g., school, childcare facility);
- 44 ▪ information relevant to any sampling that was conducted, including:
- 45 ○ sampling location described as an offset from a fixed point (e.g., a doorway) or location
- 46 marked on a floor plan.
- 47 ▪ photograph or written description of sample location, including the type of surface sampled (e.g.,
- 48 tiles, coated or uncoated timber, concrete, painted plasterboard walls) and the location within the
- 49 area where the sample was taken;
- 50 ▪ sampling method. Refer to *Section 4: Levels of Contamination* for information on the specific
- 51 substance;
- 52 ▪ chain of custody documentation;
- 53
- 54

- 1 ▪ analysis performed, including details on the laboratory used and analytical methods;
- 2 ▪ limitations of the sampling and testing methodology employed, including but not limited to areas
- 3 not sampled and the rationale for this; and factors that may influence the outcome of the test result,
- 4 (e.g., prior cleaning or renovation of surfaces);
- 5 ▪ results of the sampling, including photographs of screening tests, or copies of any laboratory
- 6 analytical report(s);
- 7 ▪ a quality control statement for the sample results;
- 8 ▪ a conclusion confirming the presence or absence of hazards and contamination at the site, and
- 9 recommendations for further testing or remediation, as required.

10 **3.6 Development of Remediation or Work Plan**

11 The remediation or work plan *should* be prepared by a ~~qualified competent~~ person, experienced and trained
12 in remediation of properties impacted by precursors, drug residues, and associated chemical waste.

13 **4.2.2 Job Hazard Analysis (JHA)/Risk Management**

14 A JHA is the breaking down of a job into its component steps and then evaluating each step, looking for
15 hazards. Each hazard is then corrected, or a method of worker protection is identified. Additional
16 requirements for worker training, certification, and authorization may also be identified for the process or
17 job. The final product is a written document, a standard of safe operation for a particular job. The JHA
18 focuses on the relationship between the practitioner, the task, the tools, and the work environment. After
19 uncontrolled hazards are identified, practitioners *shall* follow all applicable governmental regulations to
20 eliminate or reduce them according to the Hierarchy of Controls. On moderate to high-risk projects there
21 *should* be an on-going job hazard analysis performed by a competent person till the job is finished.

22 **4.2.1 Initial Hazard Assessment and PPE Selection**

23 Before any initial entry to the site, the ~~lead~~ practitioner *shall* assess the workplace to determine if hazards
24 are present or are likely to be present and establish the exposure level. Refer to *Section 4.3: Exposure*
25 *Levels*. This necessitates the use of the hierarchy of controls. If such hazards are present, or likely to be
26 present, the practitioner *shall* select the appropriate PPE and other appropriate measures that will protect
27 from the hazards identified. Depending on each situation, the practitioner may need to consult with a
28 specialized expert.

29 The ~~lead~~ practitioner *shall* communicate and document the selection decisions to each affected practitioner;
30 and each practitioner *shall* be properly trained in the use of appropriate PPE and don appropriate PPE prior
31 to entry.

32 **4.3.3 Exposure Level 2 (EL2): Moderate Risk**

33 PPE in EL2 conditions *should* include, at minimum the following full body protection:

- 34 ▪ full face respirator with HEPA or organic vapor acid gas appropriate cartridge;
- 35 ▪ triple layer gloving:
 - 36 ○ inner nitrile glove;
 - 37 ○ second layer of nitrile attached to the suit; and
 - 38 ○ cut and puncture resistant outer glove¹;
- 39 ▪ disposable liquid resistant protective suit²; and
- 40 ▪ rubber safety boot which provides chemical resistant, slip resistant, steel toe and steel shank³.

41 **4.3.5 Exposure Level 4 (EL4): Extreme Risk**

42 ¹ ANSI/ISEA 105-2016 *Classification and Testing of Hand Protection for Needlestick and Puncture as well*
43 *as Cut Resistant*

44 ² ANSI/ISEA 103-2010 *Classification and Performance Requirements for Chemical Protective Clothing*

45 ³ OSHA 1910.136A, ASTM F2413-05 Standard, AS/NZS 2210 *Occupational Protective Footwear*

1 Due to the risk of cross-contamination, homes, apartments, condominiums, hotel rooms, or other shared
 2 spaces *should* not be sectioned. The entire shared space *should* be considered contaminated until tests
 3 determine otherwise.

5.8.1 Training Recommendations

6 Practitioner trainer shall include the following, if it required by applicable governmental regulations: It is
 7 recommended that practitioner training include, but not be limited to the following:

- 9 ▪ OSHA 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Training;
- 10 ▪ Workplace Hazardous Materials Information System (WHMIS);
- 11 ▪ First Aid Training;
- 12 ▪ Bloodborne Pathogens (BBP) Training;
- 13 ▪ Confined Space Training;
- 14 ▪ Respirator and PPE Training; and
- 15 ▪ IICRC Health and Safety Technician (HST), or equivalent

12.5 Cleaning Methods

		Porosity of Materials/Contents			
		Very Porous: textiles, cardboard, paper (e.g., clothing, curtains, sheets, carpets, rugs, soft toys, books).	Bulky Porous: mattresses, lounges, upholstered chairs	Semi-Porous: timber/wood items (unfinished and varnished/polished), some stone materials, some plastics including polyurethane, polyethylene (including blinds)	Non-Porous: glass, metal (including cutlery), glazed ceramics, polished stone
Exposure Levels	E L 1	Fabrics: clean with washing or dry-cleaning. Paper: can be kept as required by the owner.	Clean to remove staining and odor. Dispose of items where odor cannot be removed.	Clean surfaces with a cleaning agent and restore any damaged surfaces.	Clean exposed surfaces with a cleaning agent.
	E	Fabrics: wash 3 times or dry-clean. Paper: dispose unless of high value to the owner.	Remove and dispose of high value items <i>should</i> be cleaned and tested prior to reuse.	Remove and dispose of high value items <i>should</i> be cleaned and tested prior to reuse.	Clean or neutralize and remove with appropriate methods.
	E L 3	Double wrap and dispose of, unless of high value to the owner, where cleaning may be attempted with extreme care.	Double wrap and dispose of all items.	Double wrap and dispose of.	Cleaned or neutralize and remove with appropriate methods, noting the high level of hazard. Preservation or disposal should be under the direction of a specialized expert.
	E L 4	Double wrap and dispose of all items.	Double wrap and dispose of all items.	Double wrap and dispose of.	Clean or neutralize and remove with appropriate methods noting the extreme level of hazard during cleaning. If

					<p>cleaning cannot be undertaken or is not successful, the items should be wrapped and disposed of. <u>Preservation or disposal should be under the direction of a specialized expert.</u></p>
--	--	--	--	--	--

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13

9.2 Cleaning Equipment and Tools

Equipment and tools *should* be moved to the decontamination area to be cleaned and ~~disinfected.~~

9.3 Disposal of Tools and Consumables

All tools, materials, and consumables used on the jobsite that are not cleanable or restorable *shall* be processed, ~~double-bagged,~~ and disposed of in accordance with all applicable jobsite requirements and governmental regulations.

References

Clandestine Amphetamine-Derived Drug Laboratories: Remediation Guidelines for Residential Settings.
National Collaboration Centre for Environmental Health.

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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. Revision 2 changes are highlighted in yellow. 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 —

Valves for Cross-linked Polyethylene (PEX) Tubing Systems

⋮

Foreword²

The purpose of this standard is to establish minimum physical and performance requirements for valves for cross-linked polyethylene (PEX) tubing systems. These criteria were established for the protection of public health and the environment.

The physical and performance requirements in this standard apply to in-line valves for use in radiant heating system and hot and cold water cross-linked polyethylene (PEX) distribution systems which are compliant with the requirements identified in ASTM F877 for PEX tubing systems with cross-linked polyethylene (PEX) tubing in hot and cold water distribution systems, radiant heating, and other applications identified in ASTM F877. Valves meeting these requirements are rated for a minimum 100 psi at 180 °F. This standard is supplemental to ASTM F877 and is intended to identify additional requirements specific for valves. The components covered by this standard are intended for use in residential and commercial, hot and cold, potable water distribution systems as well as sealed central heating, including under-floor heating systems.

⋮

1 General

1.1 Purpose

This standard establishes the minimum physical and performance requirements for in-line valves used with cross-linked polyethylene (PEX) tubing systems. Establishment of these criteria provide for the protection of public health and the environment.

1.2 Scope

This standard applies to in-line valves for use in radiant heating systems, and hot and cold water cross-linked polyethylene (PEX) distribution systems which are compliant with the requirements identified in ASTM F877³ for PEX tubing systems. This standard applies to in-line valves for use with cross-linked polyethylene (PEX) tubing in hot and cold water distribution systems, radiant heating, and other applications identified in ASTM F877³. Valves meeting these requirements are rated for a minimum 100 psi (0.69 MPa) at 180 °F (82 °C). This standard is supplemental to ASTM F877³ and identifies additional requirements specific for valves. This standard covers components intended for use in residential and commercial, hot and cold, potable water distribution systems; and sealed central heating, including under-floor heating systems. This standard excludes supply stops and fixture fittings (faucets).

Rationale: Updates scope to reflect that the scopes of ASTM F876 and F877 have been updated to include more applications, so they don't need to be specified here.

² The information contained in this foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.

³ ASTM International. 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. <www.astm.org>

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

ASME A112.4.14-2022⁴ / CSA B125.14-2022⁴, *Manually or Automatically Operated, Valves for Use in Plumbing Systems*^{4,5}

ASME A112.18.1-2018²⁴ / CSA B125.1-18²⁴, *Plumbing Supply Fittings*⁴.^{Error! Bookmark not defined.}

ASME B1.20.1-2013 (R2018), *Pipe Threads, General Purpose, Inch*⁴

ASME B16.22-2018²¹, *Wrought Copper and Copper Alloy Solder Joint Pressure Fittings*⁴

ASTM B858-06 (2012²⁴), *Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys*³

ASTM D2846/D2846M-2019a, *Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems*³

ASTM D6394-21a, *Standard Specification for Sulfone Plastics (SP)*³

ASTM F877-20²⁰, *Standard Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution*³

ASTM F1498-08 (2020), *Standard Specification for Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings*³

ASTM F1807-23^{19b}, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASTM F1960-24²¹, *Standard Specification for Cold Expansion Fitting with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASTM F2080-23¹⁹, *Standard Specification for Cold-Expansion Fittings With Metal Compression-Sleeves for Cross-Linked Polyethylene (PEX) Pipe and SDR9 Polyethylene of Raised Temperature (PE-RT) Pipe*³

ASTM F2159-23a²¹, *Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASTM F2434-19, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR 9 cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing*³

⁴ The American Society of Mechanical Engineers. Two Park Avenue, New York, NY 10016. <www.asme.org>

⁵ CSA Group. 178 Rexdale Boulevard, Toronto, ON M9W 1R3, Canada. <www.csagroup.org>

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ASTM F2735-23⁴, *Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASTM F3347-23, *Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASTM F3348-23a, *Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³

ASSE 1061-2020, *Performance Requirements for Push-Fit Fitting*⁷

ANSI/ISA-75.01.01-2012, *Industrial-Process Control Valves - Part 2-1: Flow Capacity - Sizing Equations For Fluid Flow Under Installed Conditions*⁸

NSF/ANSI 14, *Plastic Piping System Components and Related Materials*

NSF/ANSI/CAN 61, *Drinking Water Systems Components – Health Effects*

Rationale: Updates normative references.

⋮

5 General requirements

5.1 Pressure rating

Valves shall have a **minimum** hydrostatic pressure rating of 100 psi (0.69 MPa) at 180 °F (82 °C).

Rationale: Harmonizes the language to match Section 1.2, Scope.

5.2 Dimensional requirements of connections

Connections shall comply with at least one of the following standards. For connections where no standard exists, connections shall comply with manufacturer supplied drawings.

- ASTM D2846, *Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems*³
- ASTM F877, *Standard Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution*³
- ASTM F1807, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing*³
- ASTM F1865, *Standard Specification for Mechanical Cold Expansion Insert Fitting with Compression Sleeve for Cross-linked Polyethylene (PEX) Tubing*³

⁶ ASSE International. 18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448. <www.asse-plumbing.org>

⁷ The International Society of Automation. 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709. <www.isa.org>

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- ASTM F1960, *Standard Specification for Cold Expansion Fitting with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing*³
- ASTM F1961, *Standard Specification for Metal Mechanical Cold Flare Compression Fittings with Disc Spring for Cross-linked Polyethylene (PEX) Tubing*³
- ASTM F2080, *Standard Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-Linked Polyethylene (PEX) Pipe*³
- ASTM F2159, *Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing*³
- ASTM F2434, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR 9 cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing*³
- ASTM F2735, *Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing*³
- ASTM F3347, *Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³
- ASTM F3348, *Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing*³
- ASSE 1061, *Performance Requirements for Removable and Non-Removable Push-Fittings*⁷

5.3 End connections (valves intended for joining PEX piping systems to systems other than PEX)

5.3.1 Threads

Tapered metal threads shall meet the requirements of ASME B1.20.1.⁴

Tapered plastic threads shall meet the requirements of ASTM F1498.³

Non-tapered threads shall meet the requirements of ASME A112.18.1 / CSA B125.1.⁴

5.3.2 Sweat ends

Sweat ends shall meet the requirements of ASME B16.22.⁴

5.3.2.1 CPVC CTS sockets

CPVC CTS sockets shall meet the requirements of ASTM D2846.³

Rationale: Updates normative references.