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CONTENTS

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Project Initiation Notification System (PINS)

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

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 219-202x, Standard for Scene Collection and Preservation of Physical Evidence (new standard)
Stakeholders: Crime Scene Investigators

Project Need: This document provides the standardization of general requirements for the collection and preservation of all types of physical evidence for future investigative purposes, forensic examinations, and use within the judicial system.

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

This document sets requirements for collecting and preserving physical evidence during scene investigations to maintain its integrity.

ASSP (Safety) (American Society of Safety Professionals)

Lauren Bauerschmidt <LBauerschmidt@assp.org> | 520 N. Northwest Highway | Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP Z590.3-202x, Prevention through Design. Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes (revision and redesignation of ANSI/ASSP Z590.3-2021)
Stakeholders: Organization looking to reduce safety risks by designing processes safetly

Project Need: Based upon the consensus of the ANSI/ASSP Z590 and the leadership of ASSP

Interest Categories: Safety Professionals

This standard provides guidance on including prevention through design concepts within an occupational safety and health management system. Through the application of these concepts, decisions pertaining to occupational hazards and risks can be incorporated into the process of design and redesign of work premises, tools, equipment, machinery, substances, and work processes including their construction, manufacture, use, maintenance, and ultimate disposal or reuse. This standard provides guidance for a life-cycle assessment and design model that balances environmental and occupational safety and health goals over the life span of a facility, process, or product.

DSI (Dental Standards Institute, Inc.)

Bryan Laskin <dentalstandards@gmail.com> | 230 Manitoba Avenue, Suite 110 | Wayzata, MN 55391 https://dentalstandardsinstitute.com/

New Standard

BSR/DSI HILD1.1-202X, Health Informatics Logistics for Dentistry (HILD) (new standard)
Stakeholders: Healthcare Providers, Consumers, Regulatory Community, Government Agencies

Project Need: Currently there is no consistent medical history information that is leveraged throughout dentistry. This endangers patients significantly. However, implementing a more comprehensive medical history, as used within medicine by physicians, would be onerous for dental patients, as well as overwhelming to dental professionals. Additionally, as oral-systemic connections gain recognition, the demand for integrating medical and dental data grows. The integration of patient medical health information into dental workflows is critical for enhancing patient safety, improving clinical outcomes, facilitating interoperability, and streamlining workflows. This standard addresses the need for clear protocols to map and filter relevant information for dentistry without overwhelming dental professionals with extraneous data.

Interest Categories: Users, Consumers, Producers

This Standard focuses on the mapping and filtering of critical patient health information to meet the unique requirements of dental professionals. It encompasses the integration and management of past medical history, family history, social history, medication history, allergies, review of systems, immunization records, and laboratory results. The Standard will define the requirements for identifying and isolating medically relevant data for dental applications, standardized data formats and terminology to support interoperability, guidelines for filtering, prioritizing, and presenting critical information in a dental context, and best practices for ensuring data accuracy, privacy, and security when integrating health information systems. Several aspects of dental use cases are defined, including specialty work, sedation, and other elements which can affect the required health informatics to optimize for patient safety, while not being onerous for patients and/or overwhelming for dental professionals. This Standard aims to improve oral-systemic health outcomes by creating a seamless bridge between medical and dental health records.

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 575-D-202x, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-C -2020)
Stakeholders: Electrical, electronic, and telecommunications industries

Project Need: Revise and redesignate current American National Standard

Interest Categories: User, Producer, General Interest

This standard covers thick-film general-purpose rectangular leadless discrete fixed resistors with temperature coefficients of Plus or minus 350 PPM/degrees C (ranging from plus or minus 50 PPM/degrees C to plus or minus 350 PPM/degrees C) and greater and resistance tolerances of plus or minus 5% (ranging from plus or minus 0.5% to plus or minus 5%) and greater for use in surface mounting applications using soldering techniques.

EOS/ESD (ESD Association, Inc.)

Christina Earl <cearl@esda.org> | 218 W. Court Street | Rome, NY 13440 https://www.esda.org

Revision

BSR/EOS ESD SP14.5-202x, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing – Near Field Immunity Scanning - Component/Module/PCB Level (revision of ANSI/ESD SP14.5-2021)
Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial

Project Need: This document establishes a test method for immunity scanning of ICs, modules, and PCBAs. Results from near-field immunity scanning relate to the system level behavior but cannot predict system level performance using the IEC 61000-4-2 test method. The reason is that variations exist in coupling paths between injection points and local current densities and associated fields coupled into traces or ICs. This test method focuses on soft failures, such as bit errors and upsets, considering fast pulses can also cause latch-up. The document guides the user in identifying the root causes of ESD induced soft failures in components, such as ICs, modules, and PCBAs, for debugging and quality control purposes.

Interest Categories: User, Supplier, Manufacturer, General Interest

This document applies to testing powered modules, components such as ICs, circuit boards, subsystems, and systems in which system upset can be detected automatically or by an operator performing the test.

EOS/ESD (ESD Association, Inc.)

Christina Earl <cearl@esda.org> | 218 W. Court Street | Rome, NY 13440 https://www.esda.org

Revision

BSR/EOS ESD STM11.11-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items – Surface Resistance Measurement of Planar Materials (revision of ANSI/EOS ESD STM11.11-2022)
Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial

Project Need: This standard test method defines the test procedure, equipment, sample preparation, and conditioning needed to achieve reproducible surface resistance measurements.

Interest Categories: Users, Suppliers, Manufacturers, General Interest

This standard test method defines a direct current measurement to determine the surface resistance of planar materials without regard to the conduction mechanism. This procedure is intended for measuring the surface resistance of materials that are ≥ 1.0 x 104 ohms and ≥ 1.0 x 1011 ohms.
NOTE: This test method has been shown to have a repeatability of approximately one-half order of magnitude through inter-laboratory tests.

EOS/ESD (ESD Association, Inc.)

Christina Earl <cearl@esda.org> | 218 W. Court Street | Rome, NY 13440 https://www.esda.org

Revision

BSR/EOS ESD STM11.12-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items – Volume Resistance Measurement of Planar Materials (revision of ANSI/ESD STM11.12-2021)
Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial

Project Need: This standard test method defines the test procedure, equipment, sample preparation, and conditioning needed to achieve reproducible volume resistance measurements.

Interest Categories: Users, Suppliers, Manufacturers, General Interest

This standard test method defines a direct current measurement to determine the volume resistance of planar materials without regard to the conduction mechanism. This procedure is intended for measuring the volume resistance of materials that are ≥ 1.0 x 104 ohms and ≥ 1.0 x 1011 ohms.
NOTE: This test has been shown to have a repeatability of approximately one order of magnitude.

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

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

Revision

BSR/ASSE 1072-202x, Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains (revision of ANSI/ASSE 1072-2020)
Stakeholders: Manufacturers, Contractors, Plumbing Inspectors, and Plumbing Engineers

Project Need: Revision to ASSE 1072 for technical error

Interest Categories: Manufacturer, User, Installer/Maintainer, Research/Standards/Testing Laboratory, Enforcing Authority Consumer, General Interest

This standard establishes physical requirements, performance requirements, and test procedures for barrier type floor drain trap seal protection devices (herein referred to as the “device”). These devices are designed to help protect the floor drain trap seal of floor drains that comply with ASME A112.6.3 by minimizing evaporation. The purpose of this device is to minimize the evaporation of the trap seal for the floor drain. The device will open to allow the flow of drainage and close when there is no flow.

NCPDP (National Council for Prescription Drug Programs)

Margaret Weiker <mweiker@ncpdp.org> | 9240 East Raintree Drive | Scottsdale, AZ 85260 www.ncpdp.org

New Standard

BSR/NCPDP Audit Transaction v40-202x, NCPDP Audit Transaction Standard V40 (new standard)
Stakeholders: Any entity which dispenses prescription drugs and submits those prescriptions to a payer for reimbursement; audit entities; switch companies

Project Need: The NCPDP Audit Transaction Standard creates an electronic audit transaction with requests, responses, and final outcome segments for both “desk top” claim audits and for in-store audit notices.

Interest Categories: Producer/Provider, Vendor/General Interest, Payer/Processor

The Audit Transaction Standard supports an electronic audit transaction that facilitates requests, responses, and final outcomes segments for both “desk top” claim audits and for in-store audit notices and provides a forum to discuss and resolve audit related questions and issues with government programs.

NCPDP (National Council for Prescription Drug Programs)

Margaret Weiker <mweiker@ncpdp.org> | 9240 East Raintree Drive | Scottsdale, AZ 85260 www.ncpdp.org

New Standard

BSR/NCPDP Medicaid Provider File-202x, NCPDP State Medicaid Provider File Standard v20 (new standard)
Stakeholders: State Medicaid Agencies, Managed Care Organizations, Pharmacy Benefit Managers

Project Need: A common industry-wide format does not exist for sharing data in order to meet the following requirements: Effective March 25, 2011, CMS established and implemented Medicaid provider screening requirements at 42 CFR Part 455, Subpart E. The Medicaid and CHIP Managed Care Final Rule, published in the federal register on May 6, 2016, established 42 CFR 438.602 requiring the enrollment of Managed Care Organization (MCO) providers in the state’s Medicaid program, effective July 1, 2018. In addition, section 5005(b)(2) of the 21st Century Cures Act, signed into law on December 13, 2016, amended Section 1932(d) of the Social Security Act to indicate that States must require providers contracted with a MCO to enroll with the State Medicaid agency (SMA).

Interest Categories: Producer/Provider, Vendor/General Interest, Payer/Processor

State Medicaid Agencies, Managed Care Organizations, Pharmacy Benefit Managers, and industry stakeholders will use this format to share State Medicaid provider information. In the current environment, data is shared in an inefficient manner because a common industry format does not exist. This document provides standard methods that entities can use to transmit this data in a consistent manner.

NEMA (National Electrical Manufacturers Association)

Casey Granata <casey.granata@nema.org> | 1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org

New Standard

BSR/NEMA 80047-202X, Basic Application Profile for Fault Isolation including DER connectivity (new standard)
Stakeholders: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Project Need: To bring standard in compliance with current industry needs

Interest Categories: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Fault location, isolation, and service restoration (FLISR) includes automatic sectionalizing and restoration, and automatic circuit reconfiguration. These applications accomplish distribution automation operations by coordinating the operation of field devices, software, and dedicated communication networks to automatically determine the location of a fault, and rapidly reconfigure the flow of electricity so that some or all the customers can avoid experiencing outages. Because FLISR operations rely on rerouting power, they typically require feeder configurations that contain multiple paths to a single or multiple other substations. This creates redundancies in the power supply for customers located downstream or upstream of a downed power line, fault, or other grid disturbance. However, with the penetration of DERs on the distribution network, these need to be also removed from the distribution network when they are connected to the isolated section of the distribution network so that they do not provide current and voltage to the isolated section.

NEMA (National Electrical Manufacturers Association)

Casey Granata <casey.granata@nema.org> | 1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org

New Standard

BSR/NEMA 80061-202X, Basic Application Profile for Fault Location, Isolation, and Service Restoration in a Looped Single Line Feeder including Communication Failure (new standard)
Stakeholders: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Project Need: To bring standard in compliance with current industry needs

Interest Categories: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Fault location, isolation, and service restoration (FLISR) includes automatic sectionalizing and restoration, and automatic circuit reconfiguration. These applications accomplish distribution automation operations by coordinating the operation of field devices, software, and dedicated communication networks to automatically determine the location of a fault, and rapidly reconfigure the flow of electricity so that some or all the customers can avoid experiencing outages requiring dispatching personnel. Because FLISR operations rely on rerouting power, they typically require feeder configurations that contain multiple paths to a single or multiple other substations. This creates redundancies in the power supply for customers located downstream or upstream of a downed power line, fault, or other grid disturbance. Although FLISR can be accomplished without network communications, the focus of this standard is how to accomplish FLISR through the use of network communications.

NEMA (National Electrical Manufacturers Association)

Casey Granata <casey.granata@nema.org> | 1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org

New Standard

BSR/NEMA 80066-202X, Basic Application Profile for Volt/Var Control (new standard)
Stakeholders: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Project Need: To bring standard in compliance with current industry needs

Interest Categories: AHJ, Producers, Testing and Standards Organizations, General Interest, User

Volt/Var Control(VVC) is a technique used in electrical power distribution systems to manage and optimize voltage levels and reactive power flow. The main goals of VVS are to ensure efficient operation of the distribution grid, and reduce system losses, peak demand, and energy consumption.

NENA (National Emergency Number Association)

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

Revision

BSR/NENA STA-024.1.2-202x, NENA Standard for the Conveyance of Emergency Incident Data Objects (EIDOs) between Next Generation (NG9-1-1) Systems and Applications (revision of ANSI/NENA STA-024.1.1-2025)
Stakeholders: 911 Authorities, Administrators, PSAP Managers, Vendors

Project Need: Revise the standard specification for the sending and receiving of an Emergency Incident Data Object (EIDO).

Interest Categories: Users, Producers, General Interests

Based on feedback and experience received since issuance of the standard, a version that maintained backward compatibility is needed to best support the industry's implementation of EIDO, prior to the release of a Version 2.

TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

Revision

BSR/TIA 455-16-B-202x, FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components (revision and redesignation of ANSI/TIA 455-16-A-2000 (R2024))
Stakeholders: End-users, installers, designers of optical fiber cabling systems, optical fiber systems manufacturers, optical fiber manufacturers, IEC SC86B

Project Need: Update standard

Interest Categories: User, Producer, and General Interest

Revise FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components. Revision includes but not limited to removing outdated references, correcting the salt solution temperature when measuring pH level, and updating salt solution gravity vs temperature chart.

TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

National Adoption

BSR/TIA 455-157-A-202x, FOTP-157 Adoption of IEC 61300-3-2:2009, Examination and Measurement Polarization Dependent Loss in a Single-mode Fibre Optic Device (identical national adoption of IEC 61300-3-2)
Stakeholders: End-users, installers, designers of optical fiber cabling systems, optical fiber test equipment manufacturers, optical fiber manufacturers, IEC SC86B.

Project Need: Adopt identical ISO or IEC Standard

Interest Categories: User, Producer and General Interest

Revise FOTP-157 PDL Measurements in a single-mode fibre optic device) to adopt IEC 61300-3-2:2009.

TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

New Standard

BSR/TIA 604-20-202x, FOCIS 20 Fiber Optic Connector Intermateability Standard Type AIM Connector (new standard)
Stakeholders: End-users, installers, designers of optical fiber cabling systems, optical fiber connector and systems manufacturers, optical fiber manufacturers, IEC SC86B

Project Need: Create New

Interest Categories: User, Producer and General Interest

Create a new FOCIS document to specify AIM (Alignment Independent Multifiber) connector/adapter interfaces and intermateability.

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60335-2-53-202x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-53: Particular Requirements for Sauna Heating Appliances and Infrared Cabins (national adoption with modifications of IEC 60335-2-53)
Stakeholders: Manufacturers and suppliers (sauna heating appliance manufacturers, humidifier manufacturers, and component suppliers), testing and certification bodies, standards organizations and regulatory authorities, end users and industry associations, installers and maintenance professionals, and health and safety organizations

Project Need: ULSE has received a request to develop a harmonized standard based on UL 875 and IEC 60335-2-53. The harmonized standard consists of requirements from UL's Standard for Electric Dry Bath Heaters, UL 875, and IEC 60335-2-53, Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances and infrared cabins. International harmonization additionally involves the identification of National Differences that are necessary for addressing issues in the US, including the US codes, product and system safety levels expected in the US, and other needs specific to the US. This harmonized standard will also mitigate hazards and ensure latest innovative and safety features for these particular appliances.

Interest Categories: Authorities Having Jurisdiction, Consumer, General Interest, Producer, Supply Chain, and Testing and Standards Organizations.

This proposed first edition of the IEC 60335-2-53 harmonized standard specifies safety requirements for electric sauna heating appliances and infrared emitting units with a rated power input of up to 30 kW and rated voltage not exceeding 250 V for single-phase appliances and 480 V for other appliances. The standard applies to appliances intended for both residential and commercial use, including installations in private homes, apartment complexes, hotels, and similar locations.
The standard covers sauna heating appliances of both conventional and thermal storage types, as well as those incorporating a humidifier unit for controlled humidity regulation through water evaporation or atomization. It addresses common safety hazards associated with these appliances, ensuring safe operation in residential and public environments.
This standard does not cover appliances designed for partial-body perspiration, sweating baths where the user's head remains outside the heated space, collapsible sauna baths, room heaters, HVAC-integrated humidifiers, standalone humidifiers, or medical appliances. Additionally, it does not address appliances intended for use in environments with corrosive or explosive atmospheres, such as those containing flammable gases or dust.
While this standard provides comprehensive safety requirements, it does not address specific national regulatory requirements that may apply to sauna installations in certain jurisdictions.

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 30, 2025

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

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

Addenda

BSR/ASHRAE/IES Addendum bt to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum bt provides new requirements for the insulation of covered process piping systems to improve thermal efficiency.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum bu to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum bu revises 90.1 Appendix G requirements for modeling elevators to align with the kWh calculations in ISO 25745-2 based on the energy efficiency class.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: March 30, 2025

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

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

Addenda

BSR/ASHRAE/IES Addendum bw to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum requires energy use data to be graphically displayed where a building has a DDC system installed for compliance with Section 6.4.3.10.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 7-202x (i29r2), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2023)
This standard contains requirements for refrigerators and freezers used to store and/or display cold food. The types of refrigerators and freezers covered by this standard include, but are not limited to, storage refrigerators (e.g., reach-in, under counter, walk-in, roll-in); storage freezers (e.g., reach-in, under counter, walk-in, roll-in); rapid pull-down refrigerators and freezers; refrigerated food transport cabinets; refrigerated buffet units; refrigerated food preparation units; display refrigerators; beverage coolers; and ice cream cabinets.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF/CAN 60-202x (i104r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)
This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF/CAN 60-202x (i105r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)
This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

Comment Deadline: March 30, 2025

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 2996-202X, Standard for Safety for In-Ground Boxes (new standard)
Topic 1. Proposed First Edition of the Standard for Safety for In-Ground Outlet Boxes.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 858-202x, Standard for Household Electric Ranges (revision of ANSI/UL 858-2023)
This proposal for UL 858 covers: (1) OTA Requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1450-202x, Standard for Safety for Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment (revision of ANSI/UL 1450-2019 (R2021))
Proposed addition of Supplement for fire-sprinkler air compressors.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/Home/ProposalsDefault.aspx.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 3730-202x, Standard for Safety for Photovoltaic Junction Boxes (revision of ANSI/UL 3730-2024)
(1) Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: April 14, 2025

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 207-202x, Standard for Collection and Preservation of Document Evidence (new standard)
This standard provides the requirements for the collection and preservation of document evidence and related items (materials and equipment used to produce questioned documents) during investigations.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Send comments (copy psa@ansi.org) to: asb@aafs.org

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

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

Addenda

BSR/ASHRAE/IES Addendum bj to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum introduces the new simplified Performance Rating Method (S-PRM) that, for less complex projects, may be a more suitable compliance option compared to Appendix G.
NOTE: This is the second release of Addendum bj, which was originally open for public review between 12/13/24 – 1/27/25.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum bs to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum bs proposes minimum efficiency improvements for certain products in Tables 6.8.1-4, specifically Single Package Vertical Air Conditioners (SPVAC) and Single Package Vertical Heat Pumps (SPVHP), based on AHRI Standard 390-2021.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 14, 2025

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME TDP-2-2012 (R202x), Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Nuclear-Fueled Plants (reaffirmation of ANSI/ASME TDP-2-2012 (R2017))
This Standard includes practices that are concerned primarily with the prevention of water damage to steam turbines used for water-cooled nuclear reactor power generation. The practices cover design, operation, inspection, testing, and maintenance of those aspects of the following power plant systems and equipment concerned with the prevention of water induction into steam turbines and the safe removal of water from steam turbines and the following associated systems and equipment: (a) main steam and bypass systems, piping, and drains; (b) turbine extraction systems, piping, and drains; (c) turbine steam seal systems, piping, and drains; (d) feedwater heaters, piping, and drains; (e) turbine drain systems; (f) condenser steam and water dumps; (g) start-up systems. Any connection to the turbine is a potential source of water either by induction from external equipment or by accumulation of condensed steam. The sources treated herein specifically are those found to be most frequently involved in causing damage to turbines. Although water induction into the high- and intermediate-pressure turbines has historically been recognized as the most damaging, experience has shown that water induction in low-pressure turbines can cause significant damage and should also be taken seriously. This Standard is not intended to impose new requirements for existing facilities retroactively.
Single copy price: $55.00
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Wiener <WienerD@asme.org>

BHMA (Builders Hardware Manufacturers Association)

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

New Standard

BSR/BHMA A156.42-202x, Standard for Acoustic Performance Rating for Operational Noise of Architectural Hardware (new standard)
This Standard establishes methods for defining levels of acoustic performance for various types of architectural hardware whose non-acoustic performance aspects are described in the applicable BHMA product Standards.
Single copy price: $36.00 (non-member); $18.00 (member)
Obtain an electronic copy from: agambrall@kellencompany.com
Send comments (copy psa@ansi.org) to: Tony Gambrall <agambrall@kellencompany.com>

BIFMA (Business and Institutional Furniture Manufacturers Association)

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

Reaffirmation

BSR/BIFMA X5.4-2020 (R202x), Public and Lounge Seating (reaffirmation of ANSI/BIFMA X5.4-2020)
This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of public and lounge seating.
Single copy price: Free
Obtain an electronic copy from: aserge@bifma.org
Send comments (copy psa@ansi.org) to: Anthony Serge <aserge@bifma.org>

Comment Deadline: April 14, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 3-202x, Standard for Commissioning of Fire Protection and Life Safety Systems (revision of ANSI/NFPA 3-2024)
1.1 Scope. This standard shall provide the required procedures, methods, and documentation for the commissioning of active and passive fire protection and life safety systems and their interconnections with other building systems.
Obtain an electronic copy from: www.nfpa.org/3next
Send comments (copy psa@ansi.org) to: www.nfpa.org/3next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 4-202x, Standard for Integrated Fire Protection and Life Safety System Testing (revision of ANSI/NFPA 4-2024)
1.1 Scope. The standard shall provide the minimum requirements for testing of integrated fire protection and life safety systems.
1.2 Purpose.
1.2.1 The purpose of this standard shall be to provide a testing protocol that verifies integrated fire protection and life safety systems perform as intended.
1.2.2 The integrated systems test shall verify and document the operation and function of fire protection and life safety systems, including the following: (1) Performance in accordance with applicable codes and standards; (2) Sequence of operation; (3) Performance in accordance with manufacturers' published instructions; (4) Accuracy of record documents.
Obtain an electronic copy from: www.nfpa.org/4next
Send comments (copy psa@ansi.org) to: www.nfpa.org/4next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 10-202x, Standard on Portable Fire Extinguishers (revision of ANSI/NFPA 10-2022)
1.1 Scope. The provisions of this standard apply to the selection, installation, inspection, maintenance, recharging, and testing of portable fire extinguishers and Class D extinguishing agents.
1.1.1 The requirements given herein are minimum.
1.1.2 The requirements shall not apply to permanently installed systems for fire extinguishment, even where portions of such systems are portable (such as hose and nozzles attached to a fixed supply of extinguishing agent).
Obtain an electronic copy from: www.nfpa.org/nfpa10next
Send comments (copy psa@ansi.org) to: www.nfpa.org/10next

Comment Deadline: April 14, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 17-202x, Standard for Dry Chemical Extinguishing Systems (revision of ANSI/NFPA 17-2024)
1.1 Scope. This standard includes minimum requirements for dry chemical fire-extinguishing systems that discharge dry chemical from fixed nozzles or hand hose lines by means of expellant gas.
Obtain an electronic copy from: www.nfpa.org/17next
Send comments (copy psa@ansi.org) to: www.nfpa.org/17next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 17A-202x, Standard for Wet Chemical Extinguishing Systems (revision of ANSI/NFPA 17A-2024)
1.1 Scope. The provisions of this standard apply to the design, installation, operation, testing, and maintenance of pre-engineered wet chemical fire-extinguishing systems that discharge wet chemical from fixed nozzles and piping by means of expellant gas. It contains only the essential requirements and recommendations needed to make the standard workable in the hands of those skilled in this field.
Obtain an electronic copy from: www.nfpa.org/17Anext
Send comments (copy psa@ansi.org) to: www.nfpa.org/17Anext

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 30A-202x, Code for Motor Fuel Dispensing Facilities and Repair Garages (revision of ANSI/NFPA 30A -2024)
1.1 Scope.
1.1.1 This code shall apply to motor fuel dispensing facilities, motor fuel dispensing at farms and isolated construction sites, and on-demand mobile fueling.
1.1.2 This code shall apply to motor vehicle repair garages.
1.1.3 This code shall not apply to those motor fuel dispensing facilities where only liquefied petroleum gas (LP-Gas), liquefied natural gas (LNG), compressed natural gas (CNG), or hydrogen is dispensed as motor fuel, or where both gaseous fuel storage and dispensing equipment are at least 15 m (50 ft) from any other motor fuel storage or dispensing equipment of different chemical composition.
1.1.4 This code shall not apply to aircraft fueling.
1.1.5 This code shall not apply to mobile fueling operations involving liquefied petroleum gas (LP-Gas).
Obtain an electronic copy from: www.nfpa.org/30Anext
Send comments (copy psa@ansi.org) to: www.nfpa.org/30Anext

Comment Deadline: April 14, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 30B-202x, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B -2023)
1.1 Scope.
1.1.1 This code shall apply to the manufacture, storage, and display of aerosol products as herein defined.
1.1.2 This code shall apply to the storage and display of products whose contents are comprised entirely of compressed or liquefied gas, provided that the containers meet the requirements of 3.3.1 through 3.3.4.
1.1.3 This code shall not apply to post-consumer processing of aerosol containers.
1.1.4 This code shall not apply to containers that do not meet the definition of Aerosol Container (see 3.3.1).
1.1.4.1 Containers that contain a product that meets the definitions in 3.3.2 and 3.3.3, but are larger than the limits specified in 3.3.1, shall not be classified as aerosol products, and this code shall not apply to the manufacture, storage, and display of such products.
Obtain an electronic copy from: www.nfpa.org/30Bnext
Send comments (copy psa@ansi.org) to: www.nfpa.org/30Bnext

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 54-202x, National Fuel Gas Code (revision of ANSI/NFPA 54-2024)
1.1 Scope.
1.1.1 Applicability.
1.1.1.1 This code is a safety code that shall apply to the installation of fuel gas piping systems, appliances, equipment, and related accessories as shown in 1.1.1.1(A) through 1.1.1.1(F).
Obtain an electronic copy from: www.nfpa.org/54next
Send comments (copy psa@ansi.org) to: www.nfpa.org/54next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 59-202x, Utility LP-Gas Plant Code (revision of ANSI/NFPA 59-2024)
1.1 Scope.
1.1.1 This code shall apply to the design, construction, location, installation, operation, and maintenance of refrigerated and nonrefrigerated utility gas plants including LP-Gas containers, piping, and associated process equipment, and controls and fire protection. Coverage begins at: (1) The point of transfer when delivery is by cargo tank vehicle or railcar;(2) The liquid inlet isolation valve located downstream of hazardous liquid pipeline under the jurisdiction of 49 CFR 195, “Transportation of Hazardous Liquids by Pipeline.”
(3) Coverage shall extend to the point where LP-Gas vapor or a mixture of LP-Gas vapor and air is introduced into the utility distribution system under the jurisdiction of 49 CFR 192, “Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards.” 1.1.2 Installations that have an aggregate water capacity of 4000 gal (15.14 m3) or less shall conform to NFPA 58.
Obtain an electronic copy from: www.nfpa.org/59next
Send comments (copy psa@ansi.org) to: www.nfpa.org/59next

Comment Deadline: April 14, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 73-202x, Standard for Electrical Inspections for Existing Dwellings (revision of ANSI/NFPA 73-2020)
1.1 Scope. This standard provides criteria for identification of hazardous conditions of electrical systems in existing one-family, two-family, and multifamily dwellings, including mobile homes and manufactured homes.
Obtain an electronic copy from: www.nfpa.org/73next
Send comments (copy psa@ansi.org) to: www.nfpa.org/73next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 80A-202x, Recommended Practice for Protection of Buildings from Exterior Fire Exposures (revision of ANSI/NFPA 80A-2022)
1.1 Scope. This recommended practice addresses separation distances between buildings to limit exterior fire spread based on exterior openings and other construction features.
Obtain an electronic copy from: www.nfpa.org/80Anext
Send comments (copy psa@ansi.org) to: www.nfpa.org/80Anext

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 86-202x, Standard for Ovens and Furnaces (revision of ANSI/NFPA 86-2023)
1.1 Scope. This standard shall apply to Class A, Class B, Class C, and Class D ovens, dryers, and furnaces; thermal oxidizers; and any other heated enclosure used for processing of materials and related equipment.
A.1.1 Explosions and fires in fuel-fired and electric heat utilization equipment constitute a loss potential in life, property, and production. This standard is a compilation of guidelines, rules, and methods applicable to the safe operation of this type of equipment. Conditions and regulations that are not covered in this standard - such as toxic vapors, hazardous materials, noise levels, heat stress, and local, state, and federal regulations (EPA and OSHA) — should be considered in the design and operation of furnaces. Most failures can be traced to human error. The most significant failures include inadequate training of operators, lack of proper maintenance, and improper application of equipment. Users and designers must utilize engineering skill to bring together that proper combination of controls and training necessary for the safe operation of equipment.
Obtain an electronic copy from: www.nfpa.org/86next
Send comments (copy psa@ansi.org) to: www.nfpa.org/86next

Comment Deadline: April 14, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 88A-202x, Standard for Parking Structures (revision of ANSI/NFPA 88A-2023)
1.1 Scope. This standard shall cover the construction and protection of, as well as the control of hazards in the following: (1) Open and enclosed parking structures, (2) Parking systems.
1.1.1 This standard shall not apply to private garages not exceeding 1000 ft2 (92.9 m2) associated with residential buildings.
1.1.2 This standard shall not apply to a free-standing, one-story covered structure that is open on at least two sides that provides shelter and storage for motor vehicles.
Obtain an electronic copy from: www.nfpa.org/88Anext
Send comments (copy psa@ansi.org) to: www.nfpa.org/88Anext

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 90A-202x, Standard for the Installation of Air-Conditioning and Ventilating Systems (revision of ANSI/NFPA 90A-2024)
1.1 Scope. This standard shall cover construction, installation, operation, and maintenance of systems for air conditioning and ventilating, including filters, ducts, and related equipment, to protect life and property from fire, smoke, and gases resulting from fire or from conditions having manifestations similar to fire.
Obtain an electronic copy from: www.nfpa.org/90Anext
Send comments (copy psa@ansi.org) to: www.nfpa.org/90Anext

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 770-202x, Standard on Hybrid (Water and Inert Gas) Fire-Extinguishing Systems (revision of ANSI/NFPA 770-2021)
1.1 Scope. This standard contains the minimum requirements for the design, installation, acceptance, inspection, testing, and maintenance of hybrid fire-extinguishing systems that use a combination of atomized water and inert gas to extinguish fire.
1.1.1 The scope of this standard does not include systems that use only inert gas to achieve extinguishment. (See NFPA 2001.)
1.1.2 The scope of this standard does not include systems that use only atomized water (water mist) to achieve extinguishment. (See NFPA 750.
1.1.3 The scope of this standard does not include twin fluid water mist systems that use inert gas to propel and/or atomize water mist droplets without generating a significant inert gas concentration in the protected space. (See NFPA 750.)
Obtain an electronic copy from: www.nfpa.org/770next
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 14, 2025

TIA (Telecommunications Industry Association)

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

Reaffirmation

BSR/TIA 526-2-A-2015 (R202x), Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable - Adoption of IEC 61280-1-1 ed. 2 - Part 1-1: Test Procedures for General Communication Subsystems - Transmitter Output Optical Power Measurement for Single-Mode Optical Fibre Cable (reaffirm a national adoption ANSI/TIA 526-2-A-2015)
Reaffirm Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable - Adoption of IEC 61280 -1-1 ed. 2 - Part 1-1: Test Procedures for General Communication Subsystems - Transmitter Output Optical Power Measurement for Single-Mode Optical Fibre Cable Entire document is open for comment.
Single copy price: $65.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

TIA (Telecommunications Industry Association)

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

Reaffirmation

BSR/TIA 526-28-2021 (R202x), Adoption of IEC 61280-4-5:2020 Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (reaffirm a national adoption ANSI/TIA 526-28-2021)
Reaffirm IEC 61280-4-5 Ed. 1.0 en:2020 Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces. Entire document is open for comment.
Single copy price: $155.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

TIA (Telecommunications Industry Association)

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

Reaffirmation

BSR/TIA 604-19-2021 (R202x), FOCIS 19 Fiber Optic Connector Intermateability Standard Type SEN Connector (reaffirmation of ANSI/TIA 604-19-2021)
Reaffirm ANSI/TIA-604-19 Fiber Optic Connector Intermateability Standards - Type SEN Connector Entire document is open for comment.
Single copy price: $105.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 14, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 961-2014 (R202x), Standard for Electric Hobby and Sports Equipment (reaffirmation of ANSI/UL 961 -2014 (R2020))
(1) Reaffirmation and continuance of the 5th Edition of the Standard for Electric Hobby and Sports Equipment, UL 961, as an American National 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)

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

Revision

BSR/UL 508A-202x, Standard for Industrial Control Panels (revision of ANSI/UL 508A-2022)
Recirculation of the following balloted topics: (1) Limits to Control Circuit Voltages; (2) Need for Emergency Stop Function; (3) Disconnecting Means – Industrial Machinery; (5) UL 1059 Terminal Block Requirements; (6) Overload Protection for Group Motor Applications; (7) Terminals for Motors or Motors and Other Loads; (9) Connection Means for Single Port Surge Protective Devices; (10) Alternate Class 2 Sources; (11) Location of Ventilation Opening; (14) Semiconductor Fuses and Fuseholder Markings; (15) Revisions to UL Component Standards; (16) Clarification of Locked Rotor Current Ratings for Disconnected Switches; (17) SCCR Requirement Line Filters; (20) Addition of Requirements for Voltage Detection Devices; (21) Exclusion of Current Limited OCPD Drives; (22) Clarification of Note “b” in Table 52.1; (23) Clarification of Clauses 18.2 and 53.4 - Panels Consisting of Two or More Sections; (25) Panels Not Covered by the Scope of UL 508A; (28) Pipelines, Tubing or Devices for Handling Air, Gasses or Liquids; (29) Addition of Exception to Combination Motor Controller Requirements; (30) Wiring Ferrules; (31) Field Provided Components; (32) Addition of Requirements for Instrument Transformers; (33) Power Supplies in a Power Circuit; (34) Optical Fiber Cables; (36) Special-purpose Solid-state Overcurrent Protectors; (37) Addition of Voltage Indicators and Voltage Test Point Devices; (38) Wiring of an Oversized Variable Speed Drive; (39) Revision of Supplement SB to Include Differentiation of Terminology.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 508A-202x, Standard for Industrial Control Panels (revision of ANSI/UL 508A-2022)
Withdrawal of Topic Previously Balloted: (26) Bonding Jumper in Secondary Circuits.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
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 14, 2025

ULSE (UL Standards & Engagement)
47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

Revision

BSR/UL 746B-202X, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2024)
This project covers the following topics: (a) Addition of the Term “Polymeric Blends to Footnote “ (a) of Table 7.1; Addition of Requirements to Determine if a Minor Polymeric Component in a Compound is an Additive or a Blend to Footnote (a) of Table 7.1; (b) Addition of Reference to Polyphenylsulfone (PPSU) to Table 7.1; Replace the Designation of Polyethersulfone in Table 7.1 from PES to PESU; (c) Addition of Alternate Definition of Secondary Properties to Sub-Section 17.2 and Addition of Definition of Thermally-Durable Materials in New Sub-Section 17.3; and (d) Clarification on Flammability Test Sample Requirements Provided in Tables 21.1, 21.3, 21.4, and 21.6.
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

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.

ANS (American Nuclear Society)

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

ANSI/ANS 5.4-2011 (R2025), Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel (reaffirmation of ANSI/ANS 5.4-2011 (R2020)) Final Action Date: 2/24/2025 | *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 AD730-2025 W/Amd. 1-2014 MAR2015 (R2025), Agricultural wheeled tractors - Rear-mounted three-point Linkage. Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 (reaffirm a national adoption ANSI/ASABE AD730:2009 W/Amd. 1:2014 MAR2015 Cor. 1 (R2019)) Final Action Date: 2/24/2025 | *Reaffirmation*

AWS (American Welding Society)

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

ANSI/AWS D1.8/D1.8M-2025, Structural Welding Code - Seismic Supplement (revision of ANSI/AWS D1.8/D1.8M-2021) Final Action Date: 2/24/2025 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA C800-2025, Testing Protocol for Energy Storage System Reliability and Quality Assurance Program (new standard) Final Action Date: 2/21/2025 | *New Standard*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE C37.90.3-2025, Standard for Electrostatic Discharge Tests for Protective Relays (new standard) Final Action Date: 2/11/2025 | *New Standard*

ANSI/IEEE C37.110-2025, Guide for the Application of Current Transformers Used for Protective Relaying Purposes (new standard) Final Action Date: 2/24/2025 | *New Standard*

ANSI/IEEE C57.19.00-2025, Standard for General Requirements and Test Procedure for Power Apparatus Bushings (new standard) Final Action Date: 2/28/2025 | *New Standard*

IES (Illuminating Engineering Society)

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

ANSI/IES RP-30-25-2025, Recommended Practice: Lighting Museums (revision of ANSI/IES RP-30-20) Final Action Date: 2/24/2025 | *Revision*

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

ANSI C136.25-2025, Roadway and Area Lighting - Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures and Devices (revision of ANSI C136.25-2019) Final Action Date: 2/24/2025 | *Revision*

NETA (InterNational Electrical Testing Association)

3050 Old Centre Road, Suite 101, Portage, MI 49024 | tbrammer@netaworld.org, www.netaworld.org

ANSI/NETA ATS-2025, Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2021) Final Action Date: 2/20/2025 | *Revision*

PHTA (Pool and Hot Tub Alliance)

1650 King Street, Suite 602, Alexandria, VA 22314 | standards@phta.org, www.PHTA.org

ANSI/PHTA/ICC-4-2025, Standard for Aboveground/Onground Residential Swimming Pools (revision and redesignation of ANSI/APSP/ICC-4 2012 (R2022)) Final Action Date: 2/20/2025 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 60079-10-2-2025, Standard for Safety for Explosive Atmospheres - Part 10-2: Classification of Areas - Explosive Dust Atmospheres (national adoption with modifications of IEC 60079-10-2) Final Action Date: 1/8/2025 | *National Adoption*

ANSI/UL 2278-2025, Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers (new standard) Final Action Date: 2/18/2025 | *New Standard*

ANSI/UL 4900-2025, Standard for Safety for Micromobility Charging Equipment (new standard) Final Action Date: 2/19/2025 | *New Standard*

ANSI/UL 258-2025, Standard for Safety for Shutoff Valves for Trim and Drain Purposes for Fire Protection (revision of ANSI/UL 258-2022) Final Action Date: 2/17/2025 | *Revision*

ANSI/UL 2056-2025, Standard for Safety for Power Banks (revision of ANSI/UL 2056-2024) Final Action Date: 2/18/2025 | *Revision*

USEMCSC (United States EMC Standards Corp.)

445 Hoes Lane, Piscataway, NJ 08854 | j.santulli@ieee.org

ANSI/USEMCSC C63.4 (R2025), Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (new standard) Final Action Date: 2/24/2025 | *New Standard*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

NENA - National Emergency Number Association

NENA seeks volunteers for the NENA Emergency Telephone Notification Systems Working Group to support the revision of NENA-STA-022.2-202Y with the intended deliverable being submitted for approval as an American National Standard. A variety of expertise is sought from the public safety and 9-1-1 industries. All are welcome, though specifically the working group seeks those in a Producer category. As defined in Section 3 of NENA-ADM-001.5b-2022, a Producer is a developer or provider of 9-1-1 related products or services. Those interested in new membership can join here: https://www.nena.org/page/JoinEmergencyTelephoneNotificationSystemsWG.

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 TDP-2-2012 (R202x), Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Nuclear-Fueled Plants (reaffirmation of ANSI/ASME TDP-2-2012 (R2017))

ASSP (Safety) (American Society of Safety Professionals)

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

BSR/ASSP Z590.3-202x, Prevention through Design. Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes (revision and redesignation of ANSI/ASSP Z590.3-2021)

BHMA (Builders Hardware Manufacturers Association)

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

BSR/BHMA A156.42-202x, Standard for Acoustic Performance Rating for Operational Noise of Architectural Hardware (new standard)

DSI (Dental Standards Institute, Inc.)

230 Manitoba Avenue, Suite 110, Wayzata, MN 55391 | dentalstandards@gmail.com, https://dentalstandardsinstitute.com/

BSR/DSI HILD1.1-202X, Health Informatics Logistics for Dentistry (HILD) (new standard)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 575-D-202x, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-C-2020)

EOS/ESD (ESD Association, Inc.)

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

BSR/EOS ESD SP14.5-202x, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Near Field Immunity Scanning - Component/Module/PCB Level (revision of ANSI/ESD SP14.5-2021)

EOS/ESD (ESD Association, Inc.)

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

BSR/EOS ESD STM11.11-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items - Surface Resistance Measurement of Planar Materials (revision of ANSI/EOS ESD STM11.11 -2022)

EOS/ESD (ESD Association, Inc.)

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

BSR/EOS ESD STM11.12-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items - Volume Resistance Measurement of Planar Materials (revision of ANSI/ESD STM11.12-2021)

NENA (National Emergency Number Association)

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

BSR/NENA STA-024.1.2-202x, NENA Standard for the Conveyance of Emergency Incident Data Objects (EIDOs) between Next Generation (NG9-1-1) Systems and Applications (revision of ANSI/NENA STA-024.1.1-2025) Interest Categories: NENA seeks volunteers for the Conveyance of EIDO Working Group to support the revision of NENA-STA-024.1.1-2025 with the intended deliverable being submitted for approval as an American National Standard. A variety of expertise is sought from the public safety and 9-1-1 industries. All are welcome, though specifically the working group seeks those in User and General Interest categories. As defined in Section 3 of NENA-ADM-001.5b-2022, Users are users of 9-1-1 related products or services and General Interest members are those not in the User or Producer category, such as consultants or those from state or federal agencies. Those interested in new membership can join here: https://www.nena.org/page/JoinConveyEIDO_WG.

NSF (NSF International)

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

BSR/NSF 7-202x (i29r2), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2023)

NSF (NSF International)

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

BSR/NSF/CAN 60-202x (i104r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)

NSF (NSF International)

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

BSR/NSF/CAN 60-202x (i105r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-16-B-202x, FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components (revision and redesignation of ANSI/TIA 455-16-A-2000 (R2024))

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-157-A-202x, FOTP-157 Adoption of IEC 61300-3-2:2009, Examination and Measurement Polarization Dependent Loss in a Single-mode Fibre Optic Device (identical national adoption of IEC 61300-3-2)

TIA (Telecommunications Industry Association)

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

BSR/TIA 526-2-A-2015 (R202x), Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable - Adoption of IEC 61280-1-1 ed. 2 - Part 1-1: Test Procedures for General Communication Subsystems - Transmitter Output Optical Power Measurement for Single-Mode Optical Fibre Cable (reaffirm a national adoption ANSI/TIA 526 -2-A-2015)

TIA (Telecommunications Industry Association)

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

BSR/TIA 526-28-2021 (R202x), Adoption of IEC 61280-4-5:2020 Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (reaffirm a national adoption ANSI/TIA 526-28-2021)

TIA (Telecommunications Industry Association)

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

BSR/TIA 604-20-202x, FOCIS 20 Fiber Optic Connector Intermateability Standard Type AIM Connector (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 604-19-2021 (R202x), FOCIS 19 Fiber Optic Connector Intermateability Standard Type SEN Connector (reaffirmation of ANSI/TIA 604-19-2021)

ULSE (UL Standards & Engagement)

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

BSR/UL 961-2014 (R202x), Standard for Electric Hobby and Sports Equipment (reaffirmation of ANSI/UL 961-2014 (R2020))

ULSE (UL Standards & Engagement)

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

BSR/UL 60335-2-53-202x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-53: Particular Requirements for Sauna Heating Appliances and Infrared Cabins (national adoption with modifications of IEC 60335-2-53)
Interest Categories: ULSE is looking for participants in the following interest categories: Authorities Having Jurisdiction, Commercial/Industrial Users, Consumer, General Interest, Government, Producer, Supply Chain, and Testing and Standards Organizations.

American National Standards (ANS) Announcements

Call for Comment Public Review Extended

IES - Illuminating Engineering Society

BSR/IES LP-6-202x Comment Deadline Extended to: 4/1/2025

At the request of the ANSI-Accredited Standards Developer, the public review and comment deadline period has been extended for the following proposal:

IES - Illuminating Engineering Society

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

Revision

Revision

BSR/IES LP-6-202x

Lighting Practice: Lighting Control Systems - Properties, Selection, and Specification
(revision of ANSI/IES LP-6-20)
Abstract: 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.)
Send comments (with optional copy to psa@ansi.org) to: pmgillicuddy@ies.org
Obtain an electronic copy from: pmcgillicuddy@ies.org
Single copy price: $25.00

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
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ANS
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1111 Pasquinelli Drive, Suite 350
Westmont, IL 60559
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ASABE
American Society of Agricultural and Biological Engineers
2590 Niles Road
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Sadie Stell
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ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
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Terrell Henry
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ASSP (Safety)
American Society of Safety Professionals
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Park Ridge, IL 60068
www.assp.org

Lauren Bauerschmidt
LBauerschmidt@assp.org

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

Jennifer Molin
jmolin@aws.org

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

Tony Gambrall
agambrall@kellencompany.com

BIFMA
Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW, Suite 150
Grand Rapids, MI 49504
www.bifma.org

Anthony Serge
aserge@bifma.org

CSA
CSA America Standards Inc.
8501 East Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org

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DSI
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218 W. Court Street
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https://www.esda.org

Christina Earl
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IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
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www.asse-plumbing.org

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

Patricia McGillicuddy
pmcgillicuddy@ies.org

NCPDP
National Council for Prescription Drug Programs
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Nena Staff
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NETA
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Tania Brammer
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NFPA
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Quincy, MA 02169
www.nfpa.org

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NSF
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789 N. Dixboro Road
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PHTA
Pool and Hot Tub Alliance
1650 King Street, Suite 602
Alexandria, VA 22314
www.PHTA.org

Genevieve Lynn
standards@phta.org

TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
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Teesha Jenkins
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445 Hoes Lane
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Jennifer Santulli
j.santulli@ieee.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

Agricultural food products (TC 34)

ISO/DIS 29822-2, Vegetable fats and oils - Isomeric diacylglycerols - Determination of the content and relative amounts of 1,2- and 1,3-diacylglycerols - Part 2: Isolation by solid phase extraction (SPE) - 5/12/2025, $53.00

Aircraft and space vehicles (TC 20)

ISO/DIS 5858, Aerospace - Nuts, self-locking, with maximum operating temperature less than or equal to 425 °C - Procurement specification - 5/15/2025, $82.00

ISO/DIS 9139, Aerospace - Nuts, plain or slotted (castellated) - Procurement specification - 5/15/2025, $67.00

ISO/DIS 10583, Aerospace fluid systems - Test methods for tube/fitting assemblies - 5/15/2025, $40.00

Ceramic tile (TC 189)

ISO/DIS 10545-24.2, Ceramic tiles - Part 24: Tensile adhesion strength of fibre-combined multilayer ceramic tile and tile adhesive - 8/25/2024, $40.00

Dentistry (TC 106)

IEC 80601-2-60:2019/DAmd 1,, $46.00

ISO/DIS 3630-8, Dentistry - Endodontic instruments - Part 8: Accuracy of electronic apex locator - 5/12/2025, $46.00

ISO/DIS 3964-1, Dentistry - Coupling dimensions for handpiece connectors - Part 1: Mechanical properties - 5/15/2025, $62.00

Environmental management (TC 207)

ISO/DIS 14024, Environmental statements and programmes for products - Ecolabels - 5/10/2025, $93.00

Fasteners (TC 2)

ISO/DIS 4026, Fasteners - Hexagon socket set screws with flat point - 5/9/2025, $40.00

ISO/DIS 4028, Fasteners - Hexagon socket set screws with dog point - 5/10/2025, $46.00

ISO/DIS 8743, Grooved pins - Half-length centre grooved - 5/10/2025, $46.00

Fine Bubble Technology (TC 281)

ISO/DIS 4240-3, Fine bubble technology - Environmental applications - Part 3: Test method for on-site evaluation of the performance of algae bloom removal facilities - 5/9/2025, $62.00

Gas cylinders (TC 58)

ISO/DIS 23802, Gas cylinders - Seamless tubes, composite tubes and large tubes permanently mounted in a frame - Periodic inspection and testing - 5/11/2025, $102.00

Glass in building (TC 160)

ISO/DIS 9050, Glass in building - Determination of luminous and solar characteristics of glazing - 5/10/2025, $155.00

Graphical symbols (TC 145)

ISO/DIS 28564-1, Public information guidance systems - Part 1: Design principles and element requirements for location plans, maps and diagrams - 5/9/2025, $77.00

Healthcare organization management (TC 304)

ISO/DIS 20364, Healthcare organization management - Guidance for healthcare organizations' response to the surging diagnostic demands in a pandemic - 5/12/2025, $62.00

Light metals and their alloys (TC 79)

ISO/DIS 3116, Magnesium and magnesium alloys - Wrought magnesium and magnesium alloys - 5/12/2025, $98.00

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

ISO/DIS 25640, Respiratory equipment - Breathing apparatus performance requirements for diving and hyperbaric applications - 5/8/2025, $93.00

Microbeam analysis (TC 202)

ISO/DIS 23699, Microbeam analysis - Electron backscatter diffraction - Vocabulary - 5/15/2025, $62.00

Nuclear energy (TC 85)

ISO 7195:2020/DAmd 1, - Amendment 1: Nuclear energy - Packagings for the transport of uranium hexafluoride (UF6) - Amendment 1: Welded version and new type of valve for 1S and 2S cylinders - 5/9/2025, $58.00

Optics and optical instruments (TC 172)

ISO 8980-3:2022/DAmd 1, - Amendment 1: Ophthalmic optics - Uncut finished spectacle lenses - Part 3: Transmittance specifications and test methods - Amendment 1 - 5/12/2025, $33.00

ISO/DIS 13694, Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam irradiance (fluence) distribution - 5/11/2025, $71.00

ISO/DIS 8980-4, Ophthalmic optics - Uncut finished spectacle lenses - Part 4: Specifications and test methods for the properties of anti-reflective coatings and hydrophobic coatings - 5/12/2025, $82.00

Plastics (TC 61)

ISO/DIS 19717, Plastics - Differential scanning calorimetry (DSC) or thermogravimetric analysis (TGA) - Model-free kinetics based on the non-linear incremental isoconversional method - 4/4/2025, $53.00

ISO/DIS 24829, Plastics - Polyether polyols and polymer polyols - Determination of aldehydes and ketones - 5/10/2025, $46.00

Pumps (TC 115)

ISO/DIS 15783, Seal-less rotodynamic pumps - Class II - Specification - 5/9/2025, $125.00

Rolling bearings (TC 4)

ISO 281:2007/DAmd 1, - Amendment 1: Rolling bearings - Dynamic load ratings and rating life - Amendment 1 - 5/11/2025, $82.00

Ships and marine technology (TC 8)

ISO/DIS 20682, Autonomous Underwater Vehicles - Risk and Reliability - 5/12/2025, $82.00

Soil quality (TC 190)

ISO/DIS 13914, Soil, treated biowaste and sludge - Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with mass selective detection (HRMS or MS/MS) - 5/11/2025, $112.00

Solid mineral fuels (TC 27)

ISO/DIS 23499, Coal - Determination of bulk density of coal as it is handled in industrial practices - 5/9/2025, $58.00

Steel (TC 17)

ISO/DIS 11949, Cold-reduced tinmill products - Electrolytic tinplate - 5/12/2025, $107.00

ISO/DIS 11950, Cold-reduced tinmill products - Electrolytic chromium/chromium oxide-coated steel - 5/12/2025, $98.00

Surface active agents (TC 91)

ISO/DIS 4323, Surface active agents - Soaps - Determination of chloride content by potentiometric method - 5/11/2025, $46.00

Transport information and control systems (TC 204)

ISO/DIS 23792-2, Intelligent transport systems - Motorway chauffeur systems (MCS) - Part 2: Requirements and test procedures for discretionary lane change - 5/12/2025, $77.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 7816-6:2023/DAmd 1, - Amendment 1: Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange - Amendment 1: Data elements for quantum safe cryptography - 5/12/2025, $29.00

ISO/IEC 7816-9:2017/DAmd 1, - Amendment 1: Identification cards - Integrated circuit cards - Part 9: Commands for card management - Amendment 1: Data objects for quantum safe cryptography key management operations - 5/12/2025, $29.00

ISO/IEC DIS 27090, Cybersecurity - Artificial Intelligence - Guidance for addressing security threats and failures in artificial intelligence systems - 5/10/2025, $119.00

ISO/IEC DIS 9995-9, Information technology - Keyboard layouts for text and office systems - Part 9: Groups and mechanisms for multilingual and multiscript input - 5/11/2025, $146.00

ISO/IEC DIS 22460-3, Cards and security devices for personal identification - ISO UAS licence and drone or UAS security module - Part 3: Digital UAS or drone licence - 5/10/2025, $46.00

Other

ISO/IEC DIS 80079-41, Explosive atmospheres - Part 41: Reciprocating internal combustion engines - 4/28/2025, $165.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1124(F)/FDIS, IEC 63522-1 ED1: Electrical relays - Tests and measurements - Part 1: Visual inspection and check of dimensions, 03/14/2025

94/1125(F)/FDIS, IEC 63522-2 ED1: Electrical relays - Tests and Measurements - Part 2: Mechanical tests and weighing, 03/14/2025

94/1130(F)/FDIS, IEC 63522-34 ED1: Electrical relays - Tests and measurement - Part 34: Fluid contamination, 03/14/2025

94/1134(F)/FDIS, IEC 63522-49 ED1: Electrical relays - Tests and Measurements - Part 49: Long term stability of sealing, 03/14/2025

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

Automatic controls for household use (TC 72)

72/1476(F)/FDIS, IEC 60730-2-14 ED3: Automatic electrical controls - Part 2-14: Particular requirements for electric actuators, 03/14/2025

72/1477/FDIS, IEC 60730-2-23 ED1: Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensing elements, 04/04/2025

72/1478/FDIS, IEC 60730-2-8 ED4: Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements, 04/04/2025

Documentation and graphical symbols (TC 3)

3D/426/VD, IEC 61360-C00168 ED3: IEC CDD C00168: Harmonizing some property definitions referring units (UoM) of dictionary IEC 61987, 04/04/2025

3D/427/VD, IEC 61360-C00170 ED3: Harmonise the dimensional properties for devices with data type, 04/04/2025

3D/428/ED, IEC 61360-C00177 ED3: Lists of Dynamic Properties (LOPDs) of process analysers for electronic data exchange, 04/04/2025

3/1706/CD, IEC 62491 ED2: Industrial systems, installations and equipment and industrial products - Labelling of cables and cores, 04/18/2025

Electrical equipment in medical practice (TC 62)

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

Electrical installations of buildings (TC 64)

64/2750/CD, IEC 60364-7-705 ED3: Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises, 04/18/2025

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

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

18/1956/CD, IEC 60533 ED4: Electrical and electronic installations in ships - Electromagnetic compatibility (EMC), 05/16/2025

Electromagnetic compatibility (TC 77)

77A/1242/CD, IEC TS 61000-3-10 ED1: Electromagnetic compatibility (EMC) - Part 3-10: Limits - Limits for disturbance voltage and current in the frequency range from 2kHz to 9kHz produced by equipment connected to public low-voltage systems with a rated line current less than or equal to 75 A per phase, 05/16/2025

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

104/1100/FDIS, IEC 60068-3-14 ED1: Environmental testing - Part 3-14: Supporting documentation and guidance - Developing a climatic sequential test, 04/04/2025

104/1094(F)/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/2538/CDV, IEC 60794-1-127 ED1: Optical fibre cables - Part 1-127: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Indoor simulated installation test, Method E27, 05/16/2025

Flat Panel Display Devices (TC 110)

110/1742/FDIS, IEC 63211-2-21 ED1: Durability test methods for electronic displays - Part 2-21: Environmental tests - Test methods for heat and humidity, 04/04/2025

110/1743/FDIS, IEC 63211-3-2 ED1: Durability test methods for electronic displays - Part 3-2: Mechanical tests - Static stress, 04/04/2025

Fluids for electrotechnical applications (TC 10)

10/1259(F)/FDIS, IEC 61203 ED2: Synthetic organic esters - Guidelines for maintenance and use in electrical equipment, 03/14/2025

Industrial-process measurement and control (TC 65)

65A/1174/FDIS, IEC 61326-2-6 ED4: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical electrical equipment, 04/04/2025

65A/1169/CDV, IEC 61508-3 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements, 05/16/2025

65/1119/CD, IEC 63278-3 ED1: Asset Administration Shell for Industrial Applications - Part 3: Security provisions for Asset Administration Shells, 04/18/2025

Insulators (TC 36)

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

Lamps and related equipment (TC 34)

34/1303/DPAS, IEC PAS 63629 ED1: PSR - Specific rules for luminaires, 04/18/2025

Magnetic components and ferrite materials (TC 51)

51/1546/CDV, IEC 60205 ED5: Calculation of the effective parameters of magnetic piece parts, 04/18/2025

Nuclear instrumentation (TC 45)

45A/1592/NP, PNW 45A-1592 ED1: Nuclear Facilities - Lightning Protection and Management, 05/16/2025

Power electronics (TC 22)

22G/511/CD, IEC TS 61800-8 ED2: Adjustable speed electrical power drive systems - Part 8: Specification of voltage on the power interface, 04/18/2025

Power system control and associated communications (TC 57)

57/2765/DTS, IEC TS 61850-6-3 ED1: Communication networks and systems for power utility automation - Part 6-3: Format of machine-processable rules for validation of IEC 61850 XML-based files, 04/18/2025

Printed Electronics (TC 119)

119/538/CD, IEC 62899-202-12 ED1: Printed electronics - Part 202-12: Materials - Rheological property measurement methods of inkjet ink for printed electronics, 04/18/2025

Rotating machinery (TC 2)

2/2223(F)/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

Standard voltages, current ratings and frequencies (TC 8)

8B/245/CD, IEC TS 62898-3-5 ED1: Microgrids - Technical requirements - Testing for Microgrid Monitoring, Control, and Energy Management Systems, 04/18/2025

8/1743/CD, IEC TS 63222-1 ED2: Power quality management - Part 1: General guidelines, 04/18/2025

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

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

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

(TC)

SyCAAL/386/NP, PNW TS SYCAAL-386 ED1: Guidance for AAL services based on the smart speaker in connected home environment (CHE), 05/16/2025

Terminology (TC 1)

1/2642/ED, IEC 60050-C00105 ED0: IEC 60050-602 International Electrotechnical Vocabulary (IEV) - Part 602: Generation, transmission and distribution of electricity - Generation, 04/04/2025

1/2643/ED, IEC 60050-C00106 ED0: IEC 60050-603 International Electrotechnical Vocabulary (IEV) - Part 603: Generation, transmission and distribution of electricity - Power systems planning and management, 04/04/2025

1/2644/ED, IEC 60050-C00107 ED0: IEC 60050-605: AMDInternational Electrotechnical Vocabulary (IEV) - Part 605: Generation, transmission and distribution of electricity - Substations, 04/04/2025

1/2645/ED, IEC 60050-C00108 ED0: IEC 60050-614 International Electrotechnical Vocabulary (IEV) - Part 614: Generation, transmission and distribution of electricity - Operation, 04/04/2025

1/2646/ED, IEC 60050-C00109 ED0: IEC 60050-691 International Electrotechnical Vocabulary (IEV) - Part 691: Tariffs for electricity, 04/04/2025

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC41/497/CD, ISO/IEC 30199 ED1: Internet of Things (IoT) - Smart onshore aquaculture - General and technical requirements, 04/18/2025

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 14620-4:2025, Space systems - Safety requirements - Part 4: Spacecraft assembly, integration and test, $127.00

Corrosion of metals and alloys (TC 156)

ISO 8407:2021/Amd 1:2025, - Amendment 1: Corrosion of metals and alloys - Removal of corrosion products from corrosion test specimens - Amendment 1, $23.00

ISO 9351:2025, Galvanic anodes for cathodic protection in seawater and saline sediments, $230.00

Footwear (TC 216)

ISO 16187:2025, Footwear and footwear components - Test method to assess antibacterial activity, $127.00

Machine tools (TC 39)

ISO 16089:2025, Machine tools - Safety - Stationary grinding machines, $287.00

Pallets for unit load method of materials handling (TC 51)

ISO 8611-1:2025, Pallets for materials handling - Flat pallets - Part 1: Test methods, $201.00

ISO 8611-2:2025, Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests, $84.00

Paper, board and pulps (TC 6)

ISO 12507:2025, Paper and pulp - Deinkability test for printed paper product mixtures containing woodfree printed paper, $172.00

Petroleum products and lubricants (TC 28)

ISO 9038:2025, Determination of sustained combustibility of liquids, $84.00

Photography (TC 42)

ISO 18935:2025, Imaging materials - Colour images - Determination of water resistance of printed colour images, $84.00

Quantities, units, symbols, conversion factors (TC 12)

IEC 80000-13:2025, $153.00

Small craft (TC 188)

ISO 10239:2025, Small craft - Liquefied petroleum gas (LPG) systems, $172.00

Sports and recreational equipment (TC 83)

ISO 23223:2025, Alpine ski boots with improved walking soles - Interface with alpine ski-bindings - Requirements, test methods and marking, $230.00

Surface chemical analysis (TC 201)

ISO 20579-2:2025, Surface chemical analysis - Sample handling, preparation and mounting - Part 2: Documenting and reporting the preparation and mounting of specimens for analysis, $172.00

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

ISO 7519:2025, Technical product documentation (TPD) - Construction documentation - General principles of presentation for general arrangement and assembly drawings, $172.00

Tourism and related services (TC 228)

ISO 9468:2025, Tourism and related services - Online travel agency (OTA) - Guidelines for online accommodation booking platform services, $127.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 16399:2023/Amd 1:2025, - Amendment 1: Agricultural irrigation equipment - Meters for irrigation water - Amendment 1, $23.00

ISO 4254-7:2017/Amd 1:2025, - Amendment 1: Agricultural machinery - Safety - Part 7: Combine harvesters, forage harvesters, cotton harvesters and sugar cane harvesters - Amendment 1, $23.00

ISO 23117-2:2025, Agricultural and forestry machinery - Unmanned aerial spraying systems - Part 2: Test methods to assess the horizontal transverse spray distribution, $201.00

ISO 24631-1:2025, Radiofrequency identification of animals - Part 1: Evaluation of conformance of RFID transponders with ISO 11784 and ISO 11785 (including granting and use of a manufacturer code), $84.00

ISO Technical Specifications

Health Informatics (TC 215)

ISO/TS 6268-1:2025, Health informatics - Cybersecurity framework for telehealth environments - Part 1: Overview and concepts, $84.00

Surface chemical analysis (TC 201)

ISO/TS 25138:2025, Surface chemical analysis - Analysis of metal oxide films by glow discharge optical emission spectrometry, $230.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 19583-24:2025, Information technology - Concepts and usage of metadata - Part 24: 11179-3:2013 Metamodel in RDF, $172.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 20153:2025, Information technology - OASIS Common Security Advisory Framework (CSAF) v2.0 Specification, $287.00

ISO/IEC 19777-3:2025, Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) language bindings - Part 3: C, $201.00

IEC Standards

Electrical accessories (TC 23)

IEC 60884-2-1 Ed. 3.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs, $52.00

IEC 60884-2-1 Ed. 3.0 en:2025 EXV, Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs, $985.00

IEC 60884-2-2 Ed. 3.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-2: Particular requirements for socket-outlets for appliances, $103.00

IEC 60884-2-2 Ed. 3.0 en:2025 EXV, Plugs and socket-outlets for household and similar purposes - Part 2-2: Particular requirements for socket-outlets for appliances, $985.00

IEC 60884-2-3 Ed. 3.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations, $148.00

IEC 60884-2-3 Ed. 3.0 en:2025 EXV, Plugs and socket-outlets for household and similar purposes - Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations, $985.00

IEC 60884-2-6 Ed. 2.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations, $148.00

IEC 60884-2-6 Ed. 2.0 en:2025 EXV, Plugs and socket-outlets for household and similar purposes - Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations, $985.00

IEC 60884-2-7 Ed. 2.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets, $148.00

IEC 60884-2-7 Ed. 2.0 en:2025 EXV, Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets, $701.00

S+ IEC 60884-2-1 Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs, $88.00

S+ IEC 60884-2-1-EXV-RLV Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs, $975.00

S+ IEC 60884-2-2 Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-2: Particular requirements for socket-outlets for appliances, $175.00

S+ IEC 60884-2-2-EXV-RLV Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-2: Particular requirements for socket-outlets for appliances, $1054.00

S+ IEC 60884-2-3 Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations, $252.00

S+ IEC 60884-2-3-EXV-RLV Ed. 3.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations, $1113.00

S+ IEC 60884-2-6 Ed. 2.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations, $252.00

S+ IEC 60884-2-6-EXV-RLV Ed. 2.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations, $1113.00

S+ IEC 60884-2-7 Ed. 2.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets, $252.00

S+ IEC 60884-2-7-EXV-RLV Ed. 2.0 en:2025 (Redline version), Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets, $701.00

Lamps and related equipment (TC 34)

IEC 62868-1 Amd.1 Ed. 1.0 b:2025, Amendment 1 - Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, $52.00

IEC 62868-1 Ed. 1.1 en:2025, Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, $419.00

IEC 62868-2-3 Amd.1 Ed. 1.0 b:2025, Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, $26.00

IEC 62868-2-3 Ed. 1.1 en:2025, Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, $219.00

IEC 62868-2-4 Ed. 1.0 b:2025, Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-4: Particular requirements - Rigid OLED tiles and panels, $52.00

Magnetic alloys and steels (TC 68)

IEC 60404-18 Ed. 1.0 b:2025, Magnetic materials - Part 18: Permanent magnet (magnetically hard) materials - Methods of measurement of the magnetic properties in an open magnetic circuit using a superconducting magnet, $322.00

Safety of hand-held motor-operated electric tools (TC 116)

IEC 63241-3-1 Ed. 1.0 en:2025, Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws, $26.00

IEC 62841-3-15 Ed. 1.0 b Cor.1:2025, Corrigendum 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-15: Particular requirements for transportable magnetic drills, $0.00

IEC 63241-2-17 Ed. 1.0 en:2025, Electric motor-operated tools - Dust measurement procedure - Part 2-17: Particular requirements for hand-held routers and trimmers, $52.00

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

IEC 61439-5 Ed. 3.0 b Cor.1:2025, Corrigendum 1 - Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks, $0.00

(TC 126)

IEC 63277-3-1 Ed. 1.0 en:2025, Binary power generation systems - Part 3-1: Safety requirements - System with less than 500 kW in capacity, $258.00

Accreditation Announcements (U.S. TAGs to ISO)

Transfer of TAG Administrator – U.S. TAG to ISO 327

TC 327, Natural stones

Effective March 31, 2025

The U.S. Technical Advisory Group to ISO **TC 327,** ***Natural stones*** has voted to approve the transfer of TAG Administrator responsibilities from the American National Standards Institute to the Natural Stone Institute. The TAG will continue to operate under its currently accredited operating procedures, the Model Operating Procedures for US Technical Advisory Groups to ANSI for ISO Activities, as provided in Annex A of the ANSI International Procedures.

For additional information or to submit comments, please contact: Charles J. Muehlbauer, Technical Director, Natural Stone Institute, 380 East Lorain Street, Oberlin, OH 44074; phone: (440) 250-9222; email: charles@naturalstoneinstitute.org (please copy jthompso@ansi.org). If no comments are received by March 31, 2025, this action will be formally approved, effective that date.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

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

Reply Deadline: 2025-03-15

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

ISO/TC 157 operates under the following scope:

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

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

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

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

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

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

Reply Deadline: 2025-03-15

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

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

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

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

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

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

Establishment of ISO Technical Committee

ISO/TC 351 – Contact centers

A new ISO Technical Committee, ISO/TC 351 – *Contact centers, has been formed.* The Secretariat has been assigned to China (SAC).

ISO/TC 351 operates under the following scope:

Standardization in the field of terminology, requirement, guidance, practices, evaluation for contact centres management and services provision.
Excluded: Relevant work within the scopes of the following committees:
- *ISO/IEC JTC 1 Information technology*
- *ISO/IEC JTC 1/SC 40 IT service management and IT governance*
- *ISO/TC 176 Quality management and quality assurance*
- *ISO/TC 176/SC 3 Quality management and quality assurance —Supporting technologies*
- *ISO/TC 290 Online reputation*
- *ISO/TC 312 Excellence in service*
- *ISO/PC 317 Consumer protection: privacy by design for consumer goods and services*

Note: In parallel, the proposed TC works in cooperation with existing committees on subjects that may support contact centres.

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

International Organization for Standardization (ISO)

Establishment of ISO/IEC Subcommittee

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

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

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

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

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

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE/IES Addendum bt
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum bt to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (February 2025)
(Draft Shows Proposed Changes to Current Standard)

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This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.
The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

FOREWORD

Foreword

This proposal requires that insulation for covered process piping systems be designed for optimal thermal efficiency. The insulation must meet or exceed the minimum thickness and thermal conductivity standards specified for water heating and HVAC piping currently required in ASHRAE 90.1-2022. The purpose of this proposal is to save energy and reduce carbon emissions by improving the thermal efficiency of process heating and cooling systems in commercial and industrial facilities. Properly insulated piping systems for processes such as steam, hot water, and other thermal fluids are essential for maintaining efficient energy use and reducing utility costs. The proposal aims to standardize insulation practices, ensuring that all covered process piping systems are equipped with insulation that maximizes energy retention and minimizes environmental impact.

The table below shows the scalar ratio for pipe insulation at different diameters for both steam and hot water applications. Assuming a 20-year measure life, the scalar ratio for pipe insulation is 14.4 years. As shown below, the pipe insulation requirement easily meets this cost-effectiveness requirement.

Steam Pipe Cost Effectiveness					
Diameter (in)	Surface Temp (F)	Insulation Thickness (in)	Annual Cost Savings ($/100 ft)	Total Cost ($/100 ft)	Scalar Ratio
0.75	250	1	$ 6.03	$ 16.16	2.7
1.5	250	1	$ 11.19	$ 17.85	1.6
3	250	1.5	$ 18.82	$ 21.73	1.2
5	250	1.5	$ 31.35	$ 32.42	1.0
10	250	2	$ 56.04	$ 50.66	0.9
0.75	298	1	$ 8.58	$ 18.27	2.1
1.5	298	1.5	$ 15.91	$ 28.49	1.8
3	298	1.5	$ 27.24	$ 34.51	1.3
5	298	1.5	$ 44.43	$ 44.79	1.0
10	298	2	$ 80.62	$ 67.92	0.8

Hot Water Pipe Cost Effectiveness					
Diameter (in)	Surface Temp (F)	Insulation Thickness (in)	Annual Cost Savings ($/100 ft)	Total Cost ($/100 ft)	Scalar Ratio
0.75	140	1	$ 1.58	$ 15.65	9.9
1.5	140	1.5	$ 2.92	$ 12.47	4.3
3	140	1.5	$ 5.22	$ 15.13	2.9
5	140	1.5	$ 8.11	$ 19.28	2.4
10	140	1.5	$ 15.40	$ 32.03	2.1
0.75	200	1.5	$ 3.80	$ 20.97	5.5
1.5	200	2	$ 6.85	$ 15.22	2.2
3	200	2	$ 12.16	$ 18.64	1.5
5	200	2	$ 18.93	$ 24.55	1.3
10	200	2	$ 35.89	$ 39.83	1.1

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

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Addendum bt to 90.1-2022

Add Section 6.8.4 (I-P and SI):

6.8.4 Process Pipe Insulation. Piping for *process applications* shall be insulated to the minimum thickness required in Table 6.8.4 and shall either utilize insulation within the *thermal conductivity* ranges in the tables, or, when the insulation *thermal conductivity* is not within the range in the tables, the following equation shall be used to calculate the minimum insulation thickness:

$$t_{alt} = r[(1 + t_{table}/r) \times k_{alt}/k_{upper} - 1]$$

where

t_{alt} = minimum insulation thickness of the alternate material, in. [mm.]
r = actual outside radius of pipe, in. [mm.]
t_{table} = insulation thickness listed in Table 6.8.4 for applicable fluid temperature and pipe size, in.[mm.]
k_{alt} = *thermal conductivity* of the alternate material at mean rating temperature indicated for the applicable fluid temperature, Btu·in/h·ft^2·°F [W/(m·ºC)]
k_{upper} = upper value of the *thermal conductivity* range listed in this table for the applicable fluid temperature, Btu·in/h·ft^2·°F [W/(m·ºC)]

Exceptions to 6.8.4:

1. For nonmetallic *piping* thicker than Schedule 80 and having a *thermal resistance* greater than steel pipe, reduced insulation thicknesses are permitted if documentation is provided showing that the pipe with the proposed insulation has no more heat transfer per foot than a steel pipe of the same size with the insulation thickness shown in the tables.
2. Fluid pumps, steam traps, blow-off valves, and piping within equipment for *process applications*.
3. Valves, strainers, coil u-bends, and air separators with at least 0.5 in. [12.5 mm.] of insulation.

Add Table 6.8.4 (I-P):

Table 6.8.4 Minimum Piping Insulation Thickness for Process Applications[a,b,c]

Fluid Operating Temperature Range (°F) and Usage	Insulation Thermal Conductivity		Nominal Pipe or Tube Size				
	Conductivity, Btu·in/h·ft2·°F	Mean Rating Temperature, °F	<1	1 to <1 1/2	1-1/2 to <4	4 to <8	≥8
			Insulation Thickness, in.				
>350	0.32 to 0.34	250	4.5	5.0	5.0	5.0	5.0
251 to 350	0.29 to 0.32	200	3.0	4.0	4.5	4.5	4.5
201 to 250	0.27 to 0.30	150	2.5	2.5	2.5	3.0	3.0
141 to 200	0.25 to 0.29	125	1.5	1.5	2.0	2.0	2.0
105 to 140	0.22 to 0.28	100	1.0	1.0	1.5	1.5	1.5

a. These thicknesses are based on *energy efficiency* considerations only. Additional insulation is sometimes required relative to safety issues/surface temperature.
b. For *piping* smaller than 1.5 in. and located in partitions within *conditioned spaces*, reduction of these thicknesses by 1 in. shall be permitted (before thickness adjustment required in footnote [a]) but not to thicknesses below 1 in.
c. For direct-buried *system piping* for *process applications*, reduction of these thicknesses by 1.5 in. shall be permitted (before thickness adjustment required in footnote [a]) but not to thicknesses below 1 in.

Add Table 6.8.4 (SI):

Table 6.8.4 Minimum Piping Insulation Thickness for Process Applications[a,b,c]

Fluid Operating Temperature Range (°C) and Usage	Insulation Thermal Conductivity		Nominal Pipe or Tube Size, mm.				
	Conductivity, W/(m·ºC)	Mean Rating Temperature, °C	<25	25 to <40	40 to <100	100 to <200	≥200
			Insulation Thickness, mm.				
>177	0.046 to 0.049	121	115	125	125	125	125
122 to 177	0.042 to 0.046	93	80	100	115	115	115
94 to 121	0.039 to 0.043	66	65	65	80	80	80
61 to 93	0.036 to 0.042	52	40	40	50	50	50
41 to 60	0.032 to 0.040	38	25	25	40	40	40

a. These thicknesses are based on *energy efficiency* considerations only. Additional insulation is sometimes required relative to safety issues/surface temperature.
b. For *piping* smaller than 40 mm. and located in partitions within *conditioned spaces*, reduction of these thicknesses by 25 mm. shall be permitted (before thickness adjustment required in footnote [a]) but not to thicknesses below 25 mm.
c. For direct-buried *system piping* for *process applications*, reduction of these thicknesses by 40mm. shall be permitted (before thickness adjustment required in footnote [a]) but not to thicknesses below 25 mm.

BSR/ASHRAE/IES Addendum bu
to ANSI/ASHRAE/IES Standard 90.1-2022

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FOREWORD

This is an update to the language in Table G3.1 #16 based on the requirement in 90.1 2022 that the energy efficiency class of proposed elevators shall be E or better per ISO 25745-2, Table 7 in 90.1 Section 10.4.3.4. Since 90.1 2016 the energy efficiency class has been required to be reported on design documents but until 90.1 2022 there was no requirement to specify a particular class or better.

ISO 25745-2, Table 7 includes equations for calculating kWh consumption. There is both an in operation and standby/idle component to the calculation. To help modelers develop model inputs, promote methodological consistency across projects, prevent elevator consumption from being modeled higher than justified, and ensure that the standby/idle component of elevator operation is adequately accounted for in the models we are proposing the language change to Appendix G shown below. This essentially aligns App G requirements with the kWh calculations in ISO 25745-2 based on the energy efficiency class. Because there was no efficiency class requirement prior to 90.1 2022 we set the baseline requirements at class F/G. The proposed model would then be modeled with the as specified energy efficiency class and the kWh calculated accordingly. Schedules would be modeled identically across the baseline and proposed.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum bu to 90.1-2022

Table G3.1 Modeling Requirements for Calculating Proposed Building Performance and Baseline Building Performance *(Continued)*

Proposed Building Performance	Baseline Building Performance
14. Exterior Conditions (continued)	
…	
16. Elevators	
Where the *proposed design* includes elevators, the elevator motor~~,~~ and *ventilation* fan, ~~and light load~~ shall be included in the model. The cab *ventilation* fan ~~and lights~~ shall be modeled with the same schedule as the elevator motor. The modeled elevator cab annual energy consumption shall be calculated based on elevator consumption coefficients as follows: Annual operating kWh = OpDays * Coeff1*Q*nd*sav/1,000,000 Annual standby/idle kWh = Coeff2*tnr * (1/1,000) Where OpDays = number of days annually where the building is occupied Q = Rated load of elevator, lbs. (kg) nd = Number of trips per day from Table G3.2.3.17. sav = is the one-way average travel distance for the installation, ft (m) = (Average floor to floor height, ft (m) * (number of floors -1)) * percentage of average travel distance from Table G3.2.3.17 Coeff1, Coeff2 = coefficients from Table G3.2.3.16 based on the energy efficiency class of the *proposed design*. tnr = is the annual non-running idle/standby time = [24 - nd/3600 * (sav/v + v/a + a/j + td)] * OpDays Where v = rated speed (ft/s) (m/s) td = is the time for the opening, opened, and closing times of the elevator doors at the landings, s. Default from Table G3.2.3.18 can be used where unknown. a = average acceleration, ft/s^2 (m/s^2). Default from Table G3.2.3.18 can be used where unknown. j = average jerk, ft/s^3 (m/s^3) . Default from Table G3.2.3.18 can be used where unknown. **Exception**: Where the daily non running (idle/standby) (Enr, kWh) and daily running (Erd, kWh) energy consumption, determined according to the ISO 25745-2 testing procedure, are available from the manufacturer the annual modeled elevator cab energy consumption shall be modeled based on the following calculations: Annual operating kWh = Erd * OpDays Annual standby/idle kWh = Enr * OpDays *The tables and methodology referenced in this section © ISO is material reproduced from ISO 125745-2:2015, with permission of the American National Standards Institute (ANSI) on behalf of the International Organization for Standardization. All rights reserved.*	Where the *proposed design* includes elevators, the *baseline building design* shall be modeled to include the elevator cab and *ventilation* fans~~, and lighting power~~. The elevator cab modeled annual energy consumption shall be calculated the same as the *proposed design* with Coeff1 = 0.756 (5.47) and Coeff2 = 1600. If exception is used to calculate *proposed design* annual energy consumption from Enr and Erd, the baseline shall be calculated using *proposed design* parameters and the elevator coefficient equations in the proposed design column. ~~The elevator peak motor power shall be calculated as follows: bhp = (Weight of Car + Rated Load – Counterweight) × Speed of Car/(33,000 × hmechanical)~~ ~~Pm = bhp × 746/hmotor~~ ~~where~~ ~~Weight of Car = the proposed design elevator car weight, lb Rated Load = the proposed design elevator load at which to operate, lb~~ ~~Counterweight of Car = the elevator car counterweight, from Table G3.9.2, lb~~ ~~Speed of Car = the speed of the proposed elevator, ft/min~~ ~~hmechanical = the mechanical efficiency of the elevator from Table G3.9.2~~ ~~hmotor = the motor efficiency from Table G3.9.2~~ ~~Pm = peak elevator motor power, W~~ The elevator motor use shall be modeled with the same schedule as the *proposed design*. When included in the *proposed design*, the baseline elevator cab *ventilation* fan shall be 0.33 W/cfm (0.699 W/L/s) ~~and the *lighting power density* shall be 3.14 W/ft^2~~; ~~both~~ operate continuously.

~~Table G3.9.2 Performance Rating Method Baseline Elevator Motor~~

~~Number of Stories (Including Basement)~~	~~Motor Type~~	~~Counterweight~~	~~Mechanical Efficiency~~	~~Motor Efficiency[a]~~
~~≤4~~	~~Hydraulic~~	~~None~~	~~58%~~	~~Table G3.9.3~~
~~>4~~	~~Traction~~	~~*Proposed design* counterweight, if not specified use weight of the car plus 40% of the rated load~~	~~64%~~	~~Table G3.9.3~~

~~a. Use the *efficiency* for the next motor size greater than the calculated bhp.~~

~~Table G3.9.3 Performance Rating Method Hydraulic Elevator Motor Efficiency~~

~~Shaft Input Power~~	~~Full-Load Motor Efficiency for Modeling, %~~
~~10~~	~~72%~~
~~20~~	~~75%~~
~~30~~	~~78%~~
~~40~~	~~78%~~
~~100~~	~~80%~~

Table G3.2.3.16 Coefficients for Elevator Consumption Calculations

Energy Efficiency Class	Coeff1	Coeff2
A	0.100 (0.72)	50
B	0.149 (1.08)	100
C	0.224 (1.62)	200
D	0.336 (2.43)	400
E	0.505 (3.65)	800
F/G	0.756 (5.47)	1600

Table G3.2.3.17 Inputs for Elevator Consumption Calculations

Usage category	Very low	Low	Medium	High	Very high	Extremely high
Trips per day (nd)	50	125	300	750	1500	2500
Number of stopping floors	Percentage of Average Travel Distance					
2	1	1	1	1	1	1
3	0.67	0.67	0.67	0.67	0.67	0.67
4	0.49	0.49	0.49	0.44	0.39	0.32

Informative Note: Below are the buildings typically associated with each usage category in Table G3.2.3.17

Usage category	Very low	Low	Medium	High	Very high	Extremely high
Typical buildings	• Residential building up to 6 dwellings • Residential care home • Small office or administrative building with few operations • Suburban railway stations	• Residential building up to 20 dwellings • Small office or administrative building with 2 to 5 floors • Small hotels • Office parking lots • General parking lots • Library • Entertainment centers • Main line railway stations • Stadia	• Residential building with up to 50 dwellings • Medium- sized office or administrative building with up to 10 floors • Medium-sized hotel • Airports • University • Small hospital • Shopping center	• Residential building with more than 50 dwellings • Large office or administrative building with more than 10 floors • Large hotel	• very large office or administrative building over 328 ft (100 m) height	• very large office or administrative building over 328 ft (100 m) height

Table G3.2.3.18 Defaults for Elevator Consumption Calculations

Variable	Description	Default Value	Units
a	Acceleration	3.28 (1.0)	ft/s^2 (m/s^2)
j	Jerk	4.1 (1.25)	ft/s^3 (m/s^3)
td	Door operation time	8	s

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FOREWORD

This addendum adds a provision for buildings required to have a DDC system to also provide a graphical display for monitored non-electrical energy use. This addendum is not anticipated to add cost because the DDC must already be installed within the building to trigger this requirement.

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Addendum bw to 90.1-2022

10.4.7 Whole-Building Energy Monitoring. Measurement devices shall be installed at the *building site* to monitor the *energy* use of each new *building*.

[…]

10.4.7.2 Recording and Reporting. The *energy* use of each *building* on the *building site* shall be recorded at a minimum of every 60 minutes and reported at least hourly, daily, monthly, and annually. The *system* shall be capable of maintaining all data collected for a minimum of 36 months and creating user reports showing at least hourly, daily, monthly, and annual *energy* consumption and *demand*. In buildings with a digital control system installed to comply with Section 6.4.3.10, the *energy* use data shall be transmitted to the digital control system or other data acquisition system to graphically display *energy* use data over the minimum collection period.

[…]

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

NSF/ANSI Standard
for Food Equipment –

Commercial Refrigerators and Freezers

•

Rationale: *There are multiple sections of NSF/ANSI – 7 addressing labeling and literature requirements. The wording is similar but not consistent across these sections. The issue proponent proposed the following language to correct this.*

Note to voters:

- In situations where the label is related to a test, proposed language will state “tested in accordance with section X...”.
- In situations where the label is NOT related to a test but rather to material and design requirements, proposed language will state “covered in section X”.

6 Storage refrigerators and freezers and refrigerated food transport cabinets

•

6.9 Equipment labeling and literature requirements

6.9.1 Equipment intended solely for the storage and display of packaged food products covered in Section 6, shall have a permanently attached label that states:

“This equipment is intended for the storage and display of packaged products only.”

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

This label is not required on self-service display refrigerators or units intended solely for the storage and display of ice cream and other frozen desserts.

7 Refrigerated buffet units and refrigerated food preparation units

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7.2 Equipment labeling and literature requirements

7.2.1 Refrigerated buffet units, refrigerated food preparation units, and similar open-top refrigeration equipment tested in accordance with Section 7.5 shall have a ~~permanent~~ permanently attached label ~~indicating~~ that states: ~~the equipment is intended for use in rooms having an ambient temperature of 86 °F (30 °C) or lower.~~

> *"This equipment is intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature does not exceed 86 °F (30 °C)"*

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

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8.3 Equipment labeling and literature requirements

Prefabricated walk-in and roll-in refrigerators and freezers used for the storage of food in the original sealed package covered in section 8.2 shall have a permanently attached label that states:

> *"This equipment is intended for the storage of food in the original sealed package only."*

The label shall be clearly visible to the user after installation of the equipment. The statement shall also appear in ~~applicable~~ the product literature, on the product drawings, and in the installation manual.

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9.13 Equipment labeling and literature requirements

9.13.1 Beverage coolers covered in section 9 shall have a permanently attached label that states:

> *"This equipment is intended for the storage and display of non-time / temperature control for safety foods bottled or canned products only."*

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the product installation manual.

9.13.2 Type I display refrigerators tested in accordance with Section 9.14 shall have a permanent label ~~indicating~~ that states: ~~the~~

"This equipment is intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature ~~typically~~ does not exceed 75 °F (24 °C)."

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

9.13.3 Type II display refrigerators tested in accordance with Section 9.14 shall have a ~~permanent~~ permanently attached label that states: ~~indicating that the~~

"This equipment is intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature ~~typically~~ does not exceed 80 °F (27 °C)."

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

9.13.4 Display refrigerators tested in accordance with Section 6.10 shall have a permanently attached label indicating that states:

"This equipment is intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature~~s~~ does not exceed~~ing~~ 86 °F (30 °C)."

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

9.13.5 Display refrigerators that contain a refrigerated buffet section or refrigerated food preparation section shall be exempt from Section 7.2.1.

9.13.6~~3~~ Display refrigerators intended solely for the display of foods that are not time / temperature control for safety shall have a permanently attached label that states:

"This display refrigerator is not for the display of time / temperature control for safety foods."

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

9.13.7~~4~~ Display refrigerators with automatic lockout shall have a permanently attached label that states:

"Evaluated and tested for automatic lockout per NSF/ANSI 7."

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

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10.4 Equipment labeling and literature requirements

10.4.2 Rapid pull-down refrigerators and freezers tested in accordance with Section 10.5 shall have a permanently attached label that states:

> *"This unit is capable of reducing the internal temperature of the contents from 135 °F (57 °C) to 40 °F (4 °C) within 4 hours."*

The label shall be clearly visible to the user after installation of the equipment. This statement shall also appear in the product literature and in the installation manual.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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3.9.3.2 Chain of custody

An auditable continuous chain of custody (COC) protocol may be used to record secure distribution of product. Maintaining a continuous COC requires that the product is under the continuous control of designated individuals, that direct access to the product is restricted to those individuals, and that the container is sealed or secured at all times during transport from the place of shipment to the place of delivery. If COC is used, a completed COC record showing continuous and secure custody between the certification holder to the purchaser shall be provided by the transporter to the certification holder and to the purchaser at the time of delivery. The completed COC record returned to the certification holder shall be kept available for review by the certification body.

> NOTE — For the custody procedure during transport by road of certain drinking water treatment chemicals, there may be a requirement for two persons to be assigned to the distribution activity, with the vehicle being under the direct supervision of at least one person at all times.

Where a paper-based COC procedure is used for milk run deliveries, the documentation shall have sufficient copies so that a copy of the documentation shall be signed and provided to each consignee noting the quantity delivered at that destination~~, and the balance remaining in the shipment~~. A copy of the complete series of deliveries shall be provided by the transporter to the certification holder.

Where an electronically-based COC procedure is used for milk run deliveries, the record of the custody and deliveries shall be provided by the transporter to the certification holder.

> NOTE — It is normal transport procedure for the transporter to retain duplicate records of all cargo acceptances and deliveries, including COC documents or records. These may be accessed if necessary to verify COC.

3.9.3.3 Alternative method

Rationale: Removes a chain of custody requirement that "the balance remaining in the milk run shipment" is provided to each customer. The amount of remaining material in the delivery truck

does not impact the milk run customer as is not actionable information in a quality or inventory program and would not impact how or when the material delivered would be used. Additionally, the customer may misunderstand the remaining material as how much product they (the customer) had on-site, how much was delivered or how much was remaining on the truck.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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3.9.1 ~~Definition of~~ Tamper-evident packaging and integrity

Packaging having one or more indicators or barriers to entry which, if breached or missing, can reasonably be expected to provide visible evidence that tampering has occurred. They shall be designed to remain intact on all final product packaging, seals and containers used for bulk shipments when handled in a reasonable manner during manufacture, storage, shipment, and delivery to the purchaser.

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~~3.9.4 Tamper-evident integrity~~

~~The T/E features employed on all final product packaging, seals, and containers used for bulk shipments shall be designed to remain intact when handled in a reasonable manner during manufacture, storage, shipment and delivery to the purchaser.~~

Rationale: Consolidates the information about tamper-evident (T/E) packaging into a single location instead of multiple sections separated by other topics.

BSR/UL 2996, *Standard for Safety for In-Ground Boxes*

1. Topic – Proposed First Edition of the Standard for Safety for In-Ground Outlet Boxes

PROPOSAL

1 SCOPE

1.2 This standard provides ~~the~~requirements for in-ground outlet boxes and associated assemblies for the mounting of devices and accessories. In-ground ~~enclosures~~Outlet boxes are suitable for use in locations that provide in-ground drainage. These in-ground ~~-~~outlet boxes ~~are~~may be ~~subject to~~suitable for pedestrian traffic ~~only~~ ("Light Duty" or "Tier 2")* ~~The in-ground enclosure may also be rated~~ or ~~for locations subject to~~ pedestrian traffic and occasional nondeliberate vehicular traffic ("Tier 5")*.

2 REFERENCE PUBLICATIONS

~~CAN/~~CSA C22.2 No. 0, Canadian Electrical Code, Part II - General Requirements

CONSTRUCTION

5 GENERAL

5.1 The wiring enclosure portions of in-ground outlet boxes shall comply with all ~~the~~ applicable construction and environmental requirements in the tri-national standards CSA C22.2 No. 18.1, UL 514A and NMX-J-023/1-ANCE, Metallic Outlet Boxes, and in the standards UL 514C, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers, or CSA C22.2 No. 18.2, Nonmetallic Outlet Boxes.

5.2 In-ground outlet boxes shall be designed such that outlets are accessible when the ~~enclosure~~ cover is opened and are suitably protected from water ingress only when the cover is closed.

5.3 ~~llic Outlet Boxes, Flush-Device Boxes, and Covers, or CSA C22.2 No. 18.2, Nonmetallic outlet boxes. All wiring~~ Wiring enclosures, electrical sub-assemblies, and components ~~intended to be submerged while this product is installed shall be rated or evaluated for compliance to Enclosure Type 6 or Enclosure Type 6P, While Cover Closed, in accordance with the tri-national standards UL 50E, CSA C22.2 No. 94.2 and NMX-J-235/2-ANCE Enclosures for Electrical Equipment, Environmental Considerations. For wiring enclosures (not intended to be submerged) installed 12 inches or greater above grade, minimum enclosure type 3R shall apply. The requirements in Clause 8.2 are applicable.~~The wiring enclosures of an in-ground outlet box intended to be submerged or installed up to 304.8 mm (12 inches) above grade shall comply with enclosure ratings Type 6 or 6P, with cover closed. Wiring enclosures installed 304.8 mm (12 inches) or greater above grade, shall comply with a minimum enclosure rating type 3R with cover closed. The requirements in clause 8.2 are applicable.

5.4 An in-ground outlet box shall have a means of securing the cover in the closed position with and without flexible cord(s) installed.

5.5 Receptacles provided with an in-ground outlet box, ~~of configurations 5-15R, 5-20R, 5-20RA, 6-15R, 6-20R, and 6-20RA~~ shall be rated as Weather Resistant and shall be marked with the phrase "Weather Resistant" or the abbreviation "WR" that is visible when each receptacle is accessible for use.

PERFORMANCE

6 ~~PERFORMANCE~~ WIRING ENCLOSURES

6.1 The material and construction ~~performance requirements~~ of each wiring enclosure within an in-ground outlet box shall comply with requirements ~~are covered~~ in Sections 6.2 through 6.10.

6.3 Dielectric voltage withstand

6.3.1 Any polymeric material used for an wiring enclosure shall withstand for 1 min without breakdown the application of a 60 Hz, essentially sinusoidal potential of 2500 V when tested as described in 6.3.2-6.3.4. The test may not need to be performed if a wiring enclosure made of a polymeric material of the same thickness that has been previously investigated and found acceptable for the application.

6.3.2 ~~To determine whether an wiring enclosure complies with the requirement in 6.2.1~~6.23.1, Tthree samples of the thinnest section of each wiring enclosure, excluding knockouts shall be tested. .

6.4 Water absorption

6.4.1 A~~ny~~ polymeric material ~~used for~~ that is part of ~~each~~ a wiring enclosure ~~that is relied upon for wiring or mechanical protection is to~~shall be conditioned as described in 6.4.2. The test may not need to be performed if a wiring enclosure made of a polymeric material of the same thickness that has been previously investigated and found acceptable for the application. The conditioning shall not result in:

A Any dimensional change of the sample, including thickness, of more than 3 %; or

B An increase in the weight of the sample of more than 3 %.

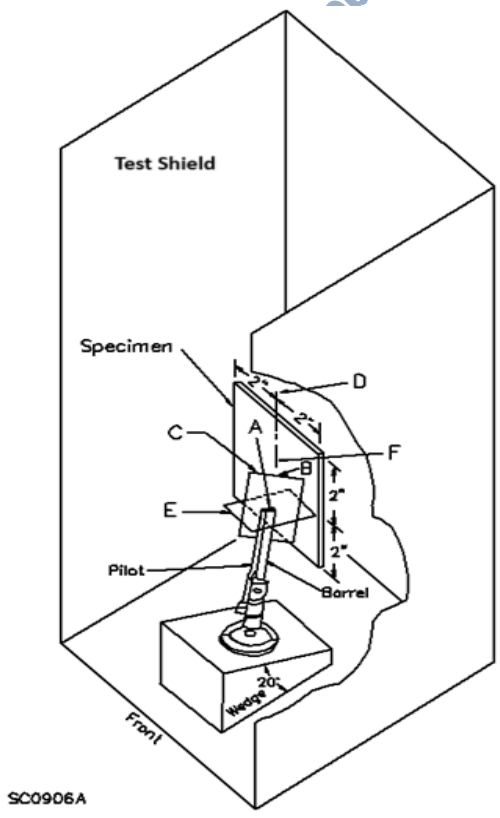
6.4.2 ~~To determine whether a polymeric material used for a wiring enclosure or part of a wiring enclosure complies with the requirements in 6.3.16.34.1, t~~Three samples of the polymeric material, each being 25.4 mm (1 inch) by 76.2 mm (3 inches) and having a thickness of not more than the minimum thickness of the wall of the wiring enclosure, excluding a knockout thickness, are to be tested. Each sample is to be dried in a calcium chloride desiccator for 24 h. After being dried, each sample is to be measured, weighed and then immersed for 24 hours in distilled water maintained at a temperature of 23.0 ± 2 °C (73 ± 3.6 °F). Immediately following removal from the water, each sample is to be wiped dry of excess moisture, and the changes in dimensions and in weight are to be determined. The percentage of change is then to be calculated in accordance with the method for measuring water absorption of plastics in the UL 746A, Standard for Polymeric Materials - Short Term Property Evaluations or CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Material.

6.5 Flammability and Flame Penetration of Wiring Enclosures

6.5.1 Material Flammability

6.5.1.3 Each of three 102 mm2 (4 in2) or 114 mm diameter (4.5 inch diameter) samples of the polymeric material in sheet form having a thickness equal to the minimum thickness used for the wiring enclosure, except a knockout, is to be secured with its vertical axis in the center of the test shield ~~enclosure~~ and with both axes parallel to the back of the test shield~~enclosure~~. See Figure 6.1.

Figure 6.1
Essential dimensions of apparatus and sample



Note - SI units for the values specified are:
102 mm (4 in); 50.8 mm (2 in); 38.1 mm (1.5 in)

A Tip of Burner

B Tip of inner blue cone of flame

C Vertical plane parallel to sides of test shield and containing vertical axis of sample and longitudinal axis of barrel
D Vertical axis of sample in center of test shield and parallel to back of test shield
E Plane of the tip of the barrel
F Longitudinal axis of barrel

6.8 Resistance to Impact

6.8.2 One sample of each wiring enclosure of an in-ground outlet box~~, their~~ including partitioned sections, raised covers, extension covers, or fittings, being tested shall be exposed for 5 hours to air maintained at -20 ± 2 °C (-4 ± 3.6 °F). Immediately after being removed from the cold chamber, each sample shall be dropped onto a concrete floor twice in rapid succession from a height of 1.52 m (5 ft). For the first drop, each wiring enclosure shall be oriented with the bottom parallel to the floor. For the second drop of each wiring enclosure, the wiring enclosure shall be oriented so that one bottom corner strikes the floor while two edges of the back and one vertical edge of the side or end are at an angle of approximately 45° to the floor.

7 ~~PERFORMANCE~~ IN-GROUND OUTLET BOX

7.1 The material and ~~structural~~construction ~~performance requirements~~ of in-ground outlet boxes shall comply with requirements in Sections 7.2 through 7.5

NOTE: Typically a minimum of Forty-five (45) samples are required to complete the environmental tests.

~~C~~7.5 Structural load tests on full-size products

7.5.1 Flush to grade In-ground ~~enclosures~~ e outlet boxes shall comply with the Structural Load testing (Lateral Sidewall Load Test, Vertical Sidewall Load Test, and Cover Vertical Load Test) from the ANSI/SCTE 77, Specification for Underground Enclosure Integrity for the applicable tier rating based on the intended installation location of the enclosure. See Table 7.2.

8 PERFORMANCE IN-GROUND OUTLET BOX (INCLUDING WIRING ENCLOSURE)

8.1.4 SIMULATED SUNLIGHT EXPOSURE. Three (3) samples with the same dimensions as the control samples are measured, weighed, and tested in accordance with ASTM G154, Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials per Cycle #1 of Appendix X2 to simulate direct solar UV radiation. After exposure, the samples are measured, weighed and visually examined for changes and evaluated to the resistance to impact 6.~~7~~8.

NOTE: The test may not need to be performed if an in-ground outlet box *(including wiring enclosure)* made of a polymeric material that has been previously investigated and found acceptable for the application.

MARKINGS AND INSTRUCTIONS

9 MARKING

9.3 Wiring enclosures of an in-ground outlet box shall be marked with a volume in cubic inches (in3) or cubic centimeters (cm3) or milliliters (mL).. See 6.2. In Canada and Mexico, the volume markings shall be in cm3 or ml. In the United States, the volume markings shall be in cm3 or cubic inches.

9.5 Product Ratings

9.5.1 ~~Finished-grade~~ In-ground ~~c~~Enclosures outlet boxes complying with ~~applicable~~ Tier 2 requirements per Section 7.~~2.1~~ and Table 7.2 may be marked “Tier 2”, “Light Duty”, or both, and visible after installation on an exposed surface of the product.

9.5.2 ~~Finished-grade~~ In-ground outlet boxes ~~Enclosures~~ complying with ~~applicable~~ Tier 5 requirements per Section 7.~~2.1~~ and Table 7.2 shall be marked “Tier 5” and visible after installation on an exposed surface of the product.

BSR/UL 858, Standard for Household Electric Ranges

1. **OTA Requirements**

PROPOSAL

SA3.4 With respect to SA3.2(d), a remote operation of the oven is not permitted for open door broil. Remote operation is permitted for other oven operations, under the following conditions:

a) The user manually sets the control at the appliance to enable remote operation. Examples for initiating this setting include, but are not limited to, pressing a button, pressing and holding a button, or activating a switch or latch. Once remote operation is enabled, the user may repeatedly use remote functions regardless of door openings or local use of the appliance.

b) Self-clean can be activated remotely if both the self-clean mode is programmed (pressing the Self-clean button) and the "remote mode" are set at the physical appliance. The door shall immediately lock when the self-clean mode is selected before the user can activate this function remotely.

c) Remote cancellation of any unattended cooking mode or changes to an on-going cooking mode by the user is allowed.

d) Remote uploading of proprietary cooking algorithms by the user is allowed. ~~However, reprogramming of any protective function is prohibited.~~

SA3.9 Remote Safety Firmware/Safety Software Updates

SA3.9.1 The following clauses apply when the manufacturer declares the appliance has Operating Class B firmware or software and has the functionality to remotely update this firmware or software.

Note: An update occurs when firmware or software replaces or modifies the previous version of the Class B firmware or software. Additionally, an update occurs when the same version of Class B firmware or software is replaced during the remote update process.

For example, consider a software update that includes both Class A and Class B software. If the Class A software is a modified version of the original and the Class B software has not been modified, though will be re-installed on a microcontroller, then this is considered a software update and subjected to the relevant requirements of clause SA3.9.

SA3.9.2 The Class B firmware or software intended to be updated, shall comply with Controls Using Software requirements in UL 60730-1.

SA3.9.3 The remotely actuated control function, including the software update function, shall comply with the Remotely Actuated Control Functions requirements in UL 60730-1.

With respect to transmission faults, Note 1 of Clause H.11.12.4.1.3.1, Transmission, is considered normative.

Note: Remotely actuated control functions may be connected to separate, independent devices, which may themselves contain control functions or provide other information. Any data exchange between these devices shall not compromise the integrity of the Class B control function. A remotely actuated control function is a function providing any operation by control devices through external means. This includes, but is not limited to, (a) the use of communication lines/protocols, (b) additional hardware and/or software, (c) IR/RF transmission, or all combinations of a) to c) via Internet using, for example modems, portable telephones, etc.

SA3.9.4 User authorization is required prior to any remote update of Class B firmware or software. This will be evaluated in accordance with UL 60730-1, Clause H.11.12.4.4.3.

Note: User authorization can be a one-time event. This one-time event may be when the consumer registers their appliance with the manufacturer, or downloads the application needed to remotely operate the appliance on their smart device (e.g. cell phone, tablet, etc.).

SA3.9.5 The remote update of firmware or software shall occur when the appliance is in a ready-state, that is, with all loads de-energized. The software that enforces the appliance to be in a ready-state shall be at least Class A.

SA3.9.6 The correct operation of the appliance's safety functions shall be maintained after the Class B firmware or software is updated.

Note: When determining which safety functions need to be verified after the update has been completed, consideration is to be given to the specific aspects of the software that have been updated.

Compliance is checked by a functional test of a remote software update and then a functional test to verify the proper operation of the appliance's protective control functions.

BSR/UL 1450, Standard for Safety for Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment

1. Proposed addition of Supplement for fire sprinkler air compressors

PROPOSAL

~~8.3 A motor-operated air compressor intended for use with sprinkler systems shall be provided with a means to be permanently connected to a wiring system.~~

36.2.1 A part of a product other than a pressure vessel that is subject to air or vapor pressure during normal or anticipated abnormal operation shall withstand, without rupture, a pressure corresponding to five times:

a) The start-to-discharge setting of the relief device provided in the system as determined in accordance with 37.7,

b) The maximum pressure that can be developed in the system – but not greater than the relief valve setting, or

c) The marked maximum pressure to which the system may be exposed by an external pressure source.

Exception No. 1: A section of a pressure system constructed of continuous copper or steel tubing or of lengths of copper or steel tubing connected by conventional tubing fittings or hard-soldered, brazed, or welded joints provided the wall thickness of the tubing is not less than the value specified in Table 36.2.

~~*Exception No. 2: A motor-operated air compressor intended for use with sprinkler systems shall be tested at a pressure corresponding to five times the maximum relief valve setting.*~~

37.2 A means for relieving pressure – a pressure relief device, a fusible plug, a soldered joint, nonmetallic tubing, or other equivalent means – shall be employed to comply with the requirement in 37.1.

~~*Exception: A motor-operated air compressor intended for use with sprinkler systems shall be provided with a pressure relief valve.*~~

~~64.2.4 A motor-operated air compressor intended for use with sprinkler systems shall be marked with the maximum rated operating pressure.~~

~~67.8 For a motor-operated compressor intended for use with sprinkler systems, the instructions shall indicate that the compressor is intended to be installed in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.~~

SUPPLEMENT SC FIRE SPRINKLER AIR COMPRESSORS

INTRODUCTION

SC1 **Scope**

SC1.1 This Supplement covers FIRE SPRINKLER AIR COMPRESSORS. The requirements in this Supplement are in addition to the requirements in Sections 1 – 73.

CONSTRUCTION

SC2 A motor-operated air compressor intended for use with sprinkler systems shall be provided with a means to be permanently connected to a wiring system with only a hard-wired connection allowed.

SC3 Parts subject to pressure - A motor-operated air compressor intended for use with sprinkler systems shall be tested at a pressure corresponding to five times the maximum relief valve setting.

SC4 A motor-operated air compressor intended for use with sprinkler systems shall be provided with a pressure relief valve as the only means to relieve pressure.

SC5 For a motor-operated compressor intended for use with sprinkler systems, a pressure-regulating control switch shall perform under rated load for 100,000 cycles of operation with no shift in calibration greater than 5 percent above initial calibration pressure setting. An adjustable pressure-regulating control switch is to be tested at its highest pressure setting unless the adjusting means is reliably sealed, to prevent tampering, at a lower setting.

MARKING

SC6 **Details**

SC6.1 A motor-operated air compressor intended for use with sprinkler systems shall be marked with the maximum rated operating pressure.

SC6.2 A fire sprinkler air compressor product shall be marked with the following text: “This Air Compressor Has Been Evaluated for Fire Sprinkler Use According to UL 1450, SUPPLEMENT SC”

SC6.3 A product shall not be marked with any text that would imply it is suitable for use as a fire sprinkler compressor unless it complies with the applicable requirements in SUPPLEMENT SC.

SC6.4 For a motor-operated compressor intended for use with sprinkler systems, the instructions shall indicate that the compressor is intended to be installed in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.

BSR/UL 3730, Standard for Safety for Photovoltaic Junction Boxes

1. Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples

PROPOSAL

21.7 Thermocouples consisting of 30 AWG (0.05 mm^2) iron and constantan wires are to be employed. However, when it is not practical to use iron and constantan thermocouples some other type described in the Tolerances on Initial Values of EMF versus Temperature tables in the Standard Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ANSI/ASTM E230/E230M, ~~Initial Calibration Tolerances for Thermocouples table in Temperature Measurement Thermocouples, ANSI/ISA~~, is to be used.