

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	5
Final Actions - (Approved ANS)	15
Call for Members (ANS Consensus Bodies)	26
American National Standards (ANS) Process	29
Meeting Notices (Standards Developers)	30
ANS Under Continuous Maintenance	31
ANSI-Accredited Standards Developer Contacts	32

International Standards

ISO and IEC Draft Standards	35
ISO and IEC Newly Published Standards	40
Accreditation Announcements (U.S. TAGs to ISO)	43
International Organization for Standardization (ISO)	44

Information Concerning

Registration of Organization Names in the United States	46
Proposed Foreign Government Regulations	47
Standards Action Publishing Calendar	48

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.

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

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

Revision

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

Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators and trade or professional organizations.

Project Need: Update product definition for single package vertical unit (SPVU) to include additional weatherization requirements for single-phase less than 65,000 Btu/h units. Since the 2021 revision of the standard, DOE released a test procedure final rule that established additional definition requirements for this product type. The standard needs to be revised to align with the DOE test procedure.

Interest Categories: Component Manufacturer, Consumer/User, General Interest, Product Manufacturer, Regulatory Agency, and Testing Laboratory

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK93020-202x, Test Methods for Treestand Safety Rope Systems (new standard)

Stakeholders: Producer, User, General Interest

Project Need: Currently no test methods exist for the evaluation of treestand safety ropes in the marketplace. It is the intent of this standard to provide an acceptable evaluation criteria in regards to the physical/mechanical properties of the rope in both a static and dynamic capacity. This test methods also includes exposure to various environmental conditions such as moisture, freezing, and accelerated weathering.

Interest Categories: Treestands Industry

This test method covers the determination of the load capacities for Treestand Safety Ropes. This test method addresses equipment used in hunting situations requiring personal protection against falls from heights and applies to the manufacturers, distributors, purchasers, and users of such equipment.

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 469-F-202x, Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision and redesignation of ANSI/EIA 469-E-2017)

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standards.

Interest Categories: User, Producer, General Interest

This document provides terminology, suggested methods, and criteria for characterizing the internal structural features of monolithic, ceramic dielectric capacitors. Its major objective is the accurate evaluation of the internal physical quality of the chip capacitor element as it relates to the functional reliability of the finished capacitor. This Standard also provides needed and useful information pertaining to activities associated with destructive physical analysis (DPA), such as visual inspection and DPA reporting. In addition, it provides tutorial help for problems inherent in DPA sample processing.

NEMA (National Electrical Manufacturers Association)

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

Revision

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

Stakeholders: Weights and Measures departments, testing laboratories, multi-tenant building owners, regulators, electrical submeter manufacturers.

Project Need: A base for metrological certification of electrical submeters.

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

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

NISO (National Information Standards Organization)

Keondra Bailey <kbailey@niso.org> | 3600 Clipper Mill Road, Suite 302 | Baltimore, MD 21211 www.niso.org

New Standard

BSR/NISO Z39.108-202x, U.S. National PID Strategy (new standard)

Stakeholders: Federal government research agencies, non-governmental research funding organizations, identifier providers, researchers, institutional researcher administrators, publishers, librarians, software providers, and metadata specialists

Project Need: PIDs have long provided the basis for citation linking, cataloging systems, entity identification, and description, as well as supporting research discovery via their associated metadata. The US-based research community has played a pivotal role in the development and adoption of PID infrastructure, with collaborative efforts driven by investments from federal agencies, research institutions, industry, and nonprofit community organizations. A new standard will benefit all stakeholders by streamlining interactions and reducing redundant efforts and offer clear guidance for adopting PIDs.

Interest Categories: Producers; users; general interest

Building on the work of the Research Data Alliance's National PID Strategies Interest Group, a team organized by the Open Research Funders Group (ORFG) drafted a report which outlines the desirable characteristics of persistent identifiers (PIDs) in a US research context. The recently circulated Developing a US PID National Strategy seeks to build consensus around value and the use of PIDs and therefore speed their adoption. This report describes the benefits of PIDs, their associated metadata, and the systems that connect them in advancing open scholarship goals in the United States. It provides information on the research and policy landscape associated with PIDs, discusses the value of PID infrastructure, and offers recommendations for effective utilization of PIDs in connecting and tracking research outputs. This project aims to further develop these components into a standard.

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-3-15-202x, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-15: Particular requirements for transportable magnetic drills (identical national adoption of IEC 62841-3-15 Ed. 1)

Stakeholders: Consumers and manufacturers of electric motor-operated hand-held tools, transportable tools and lawn and garden machinery, specifically related to transportable magnetic drills

Project Need: This project is needed to obtain standards recognition for a new Standard covering requirements for electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - safety - Part 3-15: Particular requirements for transportable magnetic drills with the adoption of IEC 62841-3-15 Edition 1, The Standard is intended to harmonize terminology, design & construction specifications, and test methods used for verification of safety requirements related specifically to transportable magnetic drills. The adoption of this Standard is important to continue to provide harmonized international based requirements for electric motor-operated hand-held tools, transportable tools and lawn and garden machinery.

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

This international standard deals with the safety of electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - safety - Part 3-15: Particular requirements for transportable magnetic drills.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: January 12, 2025

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | eparks@abycinc.org, www.abycinc.org

Revision

BSR/ABYC E-11-202x, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2023)

This standard addresses the design, construction, and installation of alternating current (AC) electrical systems and direct current (DC) electrical systems on boats.

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

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

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

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

Addenda

BSR/ASHRAE Addendum 62.2s-202x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022)

Proposed Addendum s adds an informative appendix on how to implement infectious risk management to reduce the risk of disease transmission due to infectious aerosols in dwelling units. As an informative appendix, this addendum is optional, meaning that compliance with the standard does not require compliance with the appendix. But the addendum is written in enforceable language so that it can be adopted by an authority having jurisdiction, if one chooses. The appendix is based on ASHRAE Standard 241, Control of Infectious Aerosols.

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

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

Comment Deadline: January 12, 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 br 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 provides another method for complying with the requirement to collect energy use data for graphical display in Section 8.4.3.2.

[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 Rd, Ann Arbor, MI 48105 | bfreeman@nsf.org, www.nsf.org

Revision

BSR/NSF/CAN 50-202x (i211r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2024)

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

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

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

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) GFCI Interoperability Test and (2) 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>

Comment Deadline: January 27, 2025

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

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

Addenda

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

Proposed Addendum m revises Tables 7-1, 8-1, 8-2, and 9-1 to incorporate types of room units that are allowable for each space type. This will provide clarity and consistency within this standard. Addendum h also modifies text within Sections 8.1 and 8.2 that is associated with unoccupied turndowns. This addendum comprises the following general edits: New definition for room unit; Revisions to Tables 7-1, 8-1, 8-2, and 9-1, modifying the general requirement for recirculating room units to align with the definition and specify the type of room unit allowable in each space. Revisions to the requirements for air change rate provisions with respect to room units. Single copy price: \$35.00

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

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

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 bd 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 revises the interior lighting control requirements in various sections, mainly section 9.4.1.1 and Tables 9.4.1.1-1 and 9.4.1.1-2.

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 bf 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 is an update to the envelope tables in Section 5.5 to reflect how additional insulation can be implemented in a cost-effective manner for many of the opaque elements.

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: January 27, 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 bi 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 bi replaces the metric for determining compliance with Appendix G from energy cost to site energy use.

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 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.

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 bk 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 bk establishes that compliance with Section 6.5 (prescriptive HVAC) and 6.3 (for the simplified HVAC approach) requires HVAC systems serving building areas with both heating and cooling to be “space heating heat pump primary” systems.

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: January 27, 2025

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B30.14-202x, Side Boom And Rotating Pipelayers (revision of ANSI/ASME B30.14-2015 (R2021))
Volume B30.14 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of side boom and rotating pipelayers powered by an internal combustion engine used for pipe laying or lifting operations, utilizing a lifting boom, drum, steel wire or synthetic rope, and/or hydraulic cylinders. The requirements included in this volume are for side boom and rotating pipelayers with a rated load of one ton or more when used for lifting purposes.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Kathleen Peterson <peterstonk@asme.org>

ASTM (ASTM International)

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

Revision

BSR/ASTM F1447-202x, Specification for Helmets Used in Recreational Bicycling or Roller Skating (revision of ANSI/ASTM F1447-2018)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F3146-202x, Test Method for Impact Attenuation of Turf Playing Systems Designated for Rugby (revision of ANSI/ASTM F3146-2018)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

Comment Deadline: January 27, 2025

DirectTrust™ (DirectTrust.org, Inc.)

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

Revision

BSR/DS2020-03-101-202x, Event Notifications via the Direct Standard® (revision of ANSI/DS2020-03-101-2024)

DirectTrust Standards has developed and published an implementation guide for actors in the healthcare ecosystem who will use the Direct Standard® for the communication of various transactions in support of Encounter and Event Notifications as established in CMS Interoperability and Patient Access rule. The Event Notifications via the Direct Standard® implementation guide establishes content and workflow standards for Direct Secure Messaging between inpatient facilities and downstream providers, as well as subscription services that act as intermediaries in this flow. In order to ensure effective interoperability and to limit burdensome workflows, standardization of these messages is essential.

Single copy price: \$30.00

Obtain an electronic copy from: Standards@DirectTrust.org

Send comments (copy psa@ansi.org) to: Stacy Clements <standards@directtrust.org>

ICC (International Code Council)

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

New Standard

BSR/ICC 1125-202x, Standard for Classification of Magnesium Oxide Boards in Building and Construction (new standard)

This standard establishes the minimum physical board requirements for several categories of MgO board usage in building and construction (i.e., exterior sheathing, interior sheathing roofing, subflooring, roofing, tile backer, etc.) for reference in model building codes.

Single copy price: Free

Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/i-codes/code-development/cs/mgob_consensus_committee/

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

ICC (International Code Council)

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

New Standard

BSR/ICC 1150-202x, Standard for 3D Automated Construction Technology for 3D Concrete Walls (new standard)

As an ANSI-accredited SDO, ICC is developing a new standard to establish minimum requirements for the evaluation of structural performance of 3D Concrete walls and proprietary concrete wall-to-floor connections designed in accordance with applicable building codes, including material and durability properties of proprietary 3D Concrete.

Single copy price: Free

Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/i-codes/code-development/cs/3dact_consensus_committee/

Send comments (copy psa@ansi.org) to: msanchez@icc-es.org

Comment Deadline: January 27, 2025

ICC (International Code Council)

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

Revision

BSR/ICC 900/SRCC 300-202x, Standard for Solar Water Heating Systems (revision and redesignation of ANSI/ICC 900-2020)

The objective of this Standard is to establish minimum requirements for the system design, performance evaluation and installation instructions of solar water heating systems. This Standard establishes a methodology for rating the performance of solar water heating systems based on performance projections and solar collector test data. This Standard is applicable to residential and commercial solar water heating systems intended for use within swimming pool heating, building space heating, building space cooling and/or water heating systems. It is applicable to both direct and indirect solar water heating systems.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/products-and-services/standards-development/icc-srcc-solar-thermal-standards/>

Send comments (copy psa@ansi.org) to: smartin@solar-rating.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

BSR ICEA P-32-382-202x, Short Circuit Characteristics of Insulated Cables (revision of ANSI ICEA P-32-382-2006 (R2018))

This publication discusses factors for consideration in approximating the operability of insulated and/or covered wire and cable under the influence of uninterrupted short circuit currents encountered as a result of cable or other equipment faults. The duration of such a fault is considered to be up to approximately 2 seconds.

Calculation for single short circuits of longer durations will yield increasingly conservative results.

Single copy price: \$93.00

Obtain an electronic copy from: communication@nema.org

Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

Comment Deadline: January 27, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1400-202x, Standard on Fire Service Training (revision, redesignation and consolidation of ANS NFPA 1402, 1403, 1404, 1407, 1408, 1410, and 1451)

1.1 Scope. This standard addresses the following:

- (1) Minimum design, construction, and maintenance requirements for fire service training centers, fire training structures and props, gas-fueled and flammable liquid-fueled live fire training systems, mobile fire training props, and associated training props (former 1402);
- (2) The minimum requirements for training all fire suppression personnel engaged in firefighting operations under live fire conditions (former 1403);
- (3) Minimum requirements for the training component of the respiratory protection programs (former 1404);
- (4) The basic training procedures for fire service personnel to conduct firefighter rapid intervention operations (former 1407);
- (5) Minimum requirements for training fire service personnel to utilize fire service thermal imagers (TI) (former 1408);
- (6) The context and minimum requirements for evaluating training for fire suppression and rescue procedures used by fire department personnel engaged in emergency scene operations (former 1410);
- (7) The minimum requirements for a fire and emergency service organization (FESO) vehicle operations training programs (former 1451).

Obtain an electronic copy from: www.nfpa.org/1400next

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

OPEI (Outdoor Power Equipment Institute)

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

Revision

BSR/OPEI B175.1-202x, Standard for Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements (revision of ANSI/OPEI B175.1-2021)

The requirements of this standard apply to internal combustion engine-powered hand-held chain saws and replacement saw chains for use primarily in cutting wood. The purpose of this standard is to establish safety and environmental requirements for internal combustion engine-powered hand-held chain saws and replacement saw chains.

Single copy price: Free

Obtain an electronic copy from: gknott@opei.org

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

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | info@spri.org, www.spri.org

Revision

BSR/SPRI RD-1-202x, Performance Standard for Retrofit Roof Drains (revision of ANSI/SPRI RD-1-2019)

This standard is a reference for those that design, specify, or install retrofit roof drains which are designed for installation in existing drain plumbing on existing roofs. This standard does not include consideration of all roof storm water drainage code requirements for specific building sites.

Single copy price: Free

Obtain an electronic copy from: info@spri.org

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

Comment Deadline: January 27, 2025

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61010-2-011-202x, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 011: Particular Requirements for Refrigerating Equipment. (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2024)

(1) Requirements for Stirling Refrigeration Systems.

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)

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

New Standard

BSR/UL 489i-202x, Standard for Solid State Circuit Breakers (new standard)

A proposed First Edition for UL 489i, Standard for Solid State Circuit Breakers, which includes the following: (1) Capacitive Circuit Discharge Test.

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 96-202x, Standard for Lightning Protection Components (revision of ANSI/UL 96-2023)

Ballot of the following topics: (1) UL 96 Electrode Options; (2) Addition of Canadian Electrical Code Qualifier to Scope; (3) Clarifying Air Terminal Dimensional Tolerances; (4) Connector Fitting Projection Requirements; (5) Air Terminal Mounting Means; (6) Solid Metal Parts; (7) Make US Customary Units the Normative in UL 96.

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)

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

Revision

BSR/UL 499-202x, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2023)

Revisions to scope to include additional measures not covered by requirements of standard.

Single copy price: Free

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

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

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

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

AWS (American Welding Society)

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

ANSI/AWS B5.17-2014, Specification for the Qualification of Welding Fabricators (revision of ANSI/AWS B5.17-2008)

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

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

TIA (Telecommunications Industry Association)

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

ANSI/TIA 455-11D-2010 (R2014), Vibration Test Procedure for Fiber Optic Components and Cables (reaffirmation of ANSI/TIA 455-11D-2010)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Teesha Jenkins <tjenkins@tiaonline.org>

Final Actions on American National Standards

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

AGMA (American Gear Manufacturers Association)

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

ANSI/AGMA ISO 17485-A08 (R2024), Bevel Gears - ISO System of Accuracy (reaffirm a national adoption ANSI/AGMA ISO 17485-A08 (R2014)) Final Action Date: 12/5/2024 | *Reaffirmation*

ASA (ASC S12) (Acoustical Society of America)

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

ANSI ASA S12.15 (R2024), Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Power Tools, and Gardening Appliances - Measurement of Sound Emitted (reaffirmation of ANSI/ASA S12.15-1992 (2016) (R2020)) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/ASA S12.12-1992 (R2024), Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity (reaffirmation of ANSI/ASA S12.12-1992 (R2020)) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/ASA S12.17-1996 (R2024), Impulse Sound Propagation for Environmental Noise Assessment (reaffirmation of ANSI/ASA S12.17-1996 (R2020)) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI ASA S12.14-2024, Methods for the Field Measurement of Sound Output of Audible Public Warning Devices Installed at Fixed Locations Indoors (revision of ANSI/ASA S12.14-1992 (R2020)) Final Action Date: 12/3/2024 | *Revision*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE S648-1-MAR2020 (R2024), Agricultural Field Equipment Braking - Part 1: General Requirements (reaffirmation of ANSI/ASABE S648-1-MAR2020) Final Action Date: 12/9/2024 | *Reaffirmation*

ANSI/ASABE S648-2-MAR2020 (R2024), Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors (reaffirmation of ANSI/ASABE S648-2-MAR2020) Final Action Date: 12/9/2024 | *Reaffirmation*

ANSI/ASABE S607 OCT2007 (R2024), Ventilating Manure Storages to Reduce Entry Risk (reaffirmation of ANSI/ASABE S607 OCT2007 (R2019)) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/ASABE/ISO 24347 NOV2021 (R2024), Agricultural vehicles - Mechanical connections between towed and towing vehicles - Dimensions of ball-type coupling device (80 mm) (reaffirmation of ANSI/ASABE/ISO 24347-2021) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/ASAE S418.1 OCT2010 (R2024), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2019)) Final Action Date: 12/3/2024 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME QRO-1 (R2024), Standard for the Qualification and Certification of Resource Recovery Facility Operators (reaffirmation of ANSI/ASME QRO-1-2005 (R2015)) Final Action Date: 12/9/2024 | *Reaffirmation*

ASTM (ASTM International)

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

ANSI/ASTM F3687-2024, Specification for Pressure-Rated Polyvinylidene Fluoride (PVDF) Piping Systems (new standard) Final Action Date: 12/1/2024 | *New Standard*

ANSI/ASTM F3711-2024, Practice for Pole Vault Use Areas (new standard) Final Action Date: 12/1/2024 | *New Standard*

ANSI/ASTM F3730-2024, Specification for Projectiles Used with SAP Based Launchers (new standard) Final Action Date: 11/19/2024 | *New Standard*

ANSI/ASTM F3731-2024, Specification for Specification for Ceiling and Wall Suspended Basketball Backstops (new standard) Final Action Date: 11/19/2024 | *New Standard*

ANSI/ASTM F3734-2024, Test Method for Performance of Commercial Range Ovens (new standard) Final Action Date: 11/19/2024 | *New Standard*

ANSI/ASTM E1129/E1129M-2019 (R2024), Specification for Thermocouple Connectors (reaffirmation of ANSI/ASTM E1129/E1129M-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM E1684/E1684M-2019 (R2024), Specification for Miniature Thermocouple Connectors (reaffirmation of ANSI/ASTM E1684/E1684M-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F400-2020 (R2024), Consumer Safety Specification for Lighters (reaffirmation of ANSI/ASTM F400-2020) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F906-1985 (R2024), Specification for Letters and Numerals for Ships (reaffirmation of ANSI/ASTM F906-1985 (R2020)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1338-1997 (R2024), Guide for Main Propulsion Medium Speed Marine Diesel Engines Covering Performance and Minimum Scope of Assembly (reaffirmation of ANSI/ASTM F1338-1997 (R2020)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1476-2007 (R2024), Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications (reaffirmation of ANSI/ASTM F1476-2007 (R2020)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1565-2000 (R2024), Specification for Pressure-Reducing Valves for Steam Service (reaffirmation of ANSI/ASTM F1565-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1567-1994 (R2024), Specification for Fabricated or Cast Automatic Self-Cleaning, Fuel Oil and Lubricating Oil Strainers (reaffirmation of ANSI/ASTM F1567-1994 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1685-2000 (R2024), Specification for Pressure-Reducing Manifolds for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1685-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1718-2001 (R2024), Specification for Rotary Positive Displacement Distillate Fuel Pumps (reaffirmation of ANSI/ASTM F1718-2001 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1791-2000 (R2024), Specification for Filters Used in Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1791-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1795-2000 (R2024), Specification for Pressure-Reducing Valves for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1795-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ASTM (ASTM International)

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

ANSI/ASTM F1887-2014 (R2024), Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs (reaffirmation of ANSI/ASTM F1887-2014 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1953-2010 (R2024), Guide for Construction and Maintenance of Grass Tennis Courts (reaffirmation of ANSI/ASTM F1953-2010 (R2018)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1985-1999 (R2024), Specification for Pneumatic-Operated, Globe-Style, Control Valves (reaffirmation of ANSI/ASTM F1985-1999 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F2014-2000 (R2024), Specification for Non-Reinforced Extruded Tee Connections for Piping Applications (reaffirmation of ANSI/ASTM F2014-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F2015-2000 (R2024), Specification for Lap Joint Flange Pipe End Applications (reaffirmation of ANSI/ASTM F2015-2000 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F2039-2000 (R2024), Guide for Basic Elements of Shipboard Occupational Health and Safety Program (reaffirmation of ANSI/ASTM F2039-2000 (R2018)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F2398-2011 (R2024), Test Method for Measuring Moment of Inertia and Center of Percussion of a Baseball or Softball Bat (reaffirmation of ANSI/ASTM F2398-2011 (R2020)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F2844-2020 (R2024), Test Method for Displacement Compression of Softball and Baseball Bat Barrels (reaffirmation of ANSI/ASTM F2844-2020) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F3226/F3226M-2019 (R2024), Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems (reaffirmation of ANSI/ASTM F3226-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F3248-2017 (R2024), Test Method for Determining Vertical Deformation and Area Deflection of Area Elastic, Point Elastic, Combined Elastic and Mixed Elastic Sport and Dance Surfaces (reaffirmation of ANSI/ASTM F3248-2017) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F3286-2018 (R2024), Guide for Cybersecurity and Cyberattack Mitigation (reaffirmation of ANSI/ASTM F3286-2018) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM F1370 (R2024), Specification for Pressure-Reducing Valves for Water Systems, Shipboard (reaffirmation of ANSI/ASTM F1370-1992 (R2019)) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/ASTM E608/E608M-2024, Specification for Mineral-Insulated, Metal-Sheathed Base Metal Thermocouples (revision of ANSI/ASTM E608-2019) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM E1546-2024, Guide for Development of Fire-Hazard-Assessment Standards (revision of ANSI/ASTM E1546-2021) Final Action Date: 12/1/2024 | *Revision*

ANSI/ASTM E2181/E2181M-2024, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Noble Metal Thermocouples and Thermocouple Cable (revision of ANSI/ASTM E2181-2019) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM E2226-2024, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2023A) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM E2749-2024a, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2024) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM F876-2024b, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2024) Final Action Date: 11/19/2024 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM F1045-2024, Performance Specification for Ice Hockey Helmets (revision of ANSI/ASTM F1045-2022) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM F1488-2024, Specification for Coextruded Composite Pipe (revision of ANSI/ASTM F1488-2014 (R2019)) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM F2098-2024, Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) to Metal Insert and Plastic Insert Fittings (revision of ANSI/ASTM F2098-2018) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM F3164-2024, Specification for Eye Protectors for Racket Sports (Racquetball, Squash, Tennis) (revision of ANSI/ASTM F3164-2019) Final Action Date: 11/19/2024 | *Revision*

ANSI/ASTM F2154-2013 (R2024), Specification for Sound-Absorbing Board, Fibrous Glass, Perforated Fibrous Glass Cloth Faced (withdrawal of ANSI/ASTM F2154-2013 (R2019)) Final Action Date: 11/19/2024 | *Withdrawal*

AWWA (American Water Works Association)

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

ANSI/AWWA C229-2024, Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C229-2020) Final Action Date: 12/3/2024 | *Revision*

ANSI/AWWA C901-2024, Polyethylene (PE) Pressure Pipe, Tubing, and Fittings, 34 In. (19mm) Through 3 In. (76mm), for Water Service (revision of ANSI/AWWA C901-2020) Final Action Date: 12/3/2024 | *Revision*

ANSI/AWWA D115-2024, Tendon-Prestressed Concrete Water Tanks (revision of ANSI/AWWA D115-2020) Final Action Date: 12/5/2024 | *Revision*

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

ANSI/CPLSO 60335-2-76 (R2024), Electric Fence (reaffirm a national adoption ANSI/CPLSO 60335-2-76-2020) Final Action Date: 12/5/2024 | *Reaffirmation*

CRRC (Cool Roof Rating Council)

2435 N. Lombard Street, Portland, OR 97217 | sarah@coolroofs.org, www.coolroofs.org

ANSI/CRRC S100-2024, Standard Test Methods for Determining Radiative Properties of Materials (revision of ANSI/CRRC S100-2021) Final Action Date: 12/5/2024 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA ISO 27916 (R2024), Carbon dioxide capture, transportation and geological storage - Carbon dioxide storage using enhanced oil recovery (CO₂-EOR) (reaffirmation of ANSI/CSA ISO 27916-2019) Final Action Date: 12/2/2024 | *Reaffirmation*

HPS (ASC N13) (Health Physics Society)

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

ANSI N13.41-2024, Criteria for Performing Multiple Dosimetry (revision of ANSI N13.41-2011 (R2018)) Final Action Date: 12/3/2024 | *Revision*

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

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

ANSI/CSA B45.13/IAPMO Z1700-2019 (R2024), Vacuum waste-collection systems (reaffirmation of ANSI/CSA B45.13/IAPMO Z1700-2019) Final Action Date: 12/2/2024 | *Reaffirmation*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE C37.30.6-2024, Guide for Electric Motor Operators Applied to High-Voltage Air Switches Rated Above 1000 V (new standard) Final Action Date: 12/4/2024 | *New Standard*

IES (Illuminating Engineering Society)

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

ANSI/IES TM-41-2024, Technical Memorandum: Standard Format for the Electronic Data Transfer of Light Output Maintenance Characteristics of Solid-State Light Sources (new standard) Final Action Date: 12/3/2024 | *New Standard*

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

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

INCITS/ISO 19123-1:2023 [2024], Geographic information - Schema for coverage geometry and functions - Part 1: Fundamentals (identical national adoption of ISO 19123-1:2023 and revision of INCITS/ISO 19123:2005 [R2021]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 19123-3:2023 [2024], Geographic information - Schema for coverage geometry and functions - Part 3: Processing fundamentals (identical national adoption of ISO 19123-3:2023) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 19144-2:2023 [2024], Geographic information - Classification systems - Part 2: Land Cover Meta Language (LCML) (identical national adoption of ISO 19144-2:2023 and revision of INCITS/ISO 19144-2:2012 [R2023]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 19152-1:2024 [2024], Geographic information - Land Administration Domain Model (LADM) - Part 1: Generic conceptual model (identical national adoption of ISO 19152-1:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 19152-3:2024 [2024], Geographic information - Land Administration Domain Model (LADM) - Part 3: Marine georegulation (identical national adoption of ISO 19152-3:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 19156:2023 [2024], Geographic information - Observations, measurements and samples (identical national adoption of ISO 19156:2023 and revision of INCITS/ISO 19156:2011 [R2022]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO 22739:2024 [2024], Blockchain and distributed ledger technologies - Vocabulary (identical national adoption of ISO 22739:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 4922-2:2024 [2024], Information security - Secure multiparty computation - Part 2: Mechanisms based on secret sharing (identical national adoption of ISO/IEC 4922-2:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 5259-1:2024 [2024], Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 1: Overview, terminology, and examples (identical national adoption of ISO/IEC 5259-1:2024) Final Action Date: 12/3/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 5259-3:2024 [2024], Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 3: Data quality management requirements and guidelines (identical national adoption of ISO/IEC 5259-3:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 5259-4:2024 [2024], Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 4: Data quality process framework (identical national adoption of ISO/IEC 5259-4:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 14888-4:2024 [2024], Information security - Digital signatures with appendix - Part 4: Stateful hash-based mechanisms (identical national adoption of ISO/IEC 14888-4:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 15938-17:2024 [2024], Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis (identical national adoption of ISO/IEC 15938-17:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 18013-4:2019/AM1:2024 [2024], Personal identification - ISO-compliant driving licence - Part 4: Test methods - Amendment 1: Test methods for compact encoding (identical national adoption of ISO/IEC 18013-4:2019/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 18041-5:2023 [2024], Computer graphics, image processing and environmental data representation - Environmental Data Coding Specification (EDCS) language bindings - Part 5: C++ (identical national adoption of ISO/IEC 18041-5:2023) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 18181-1:2024 [2024], Information technology - JPEG XL image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 18181-1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 18181-2:2024 [2024], Information technology - JPEG XL image coding system - Part 2: File format (identical national adoption of ISO/IEC 18181-2:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 18477-1:2024 [2024], Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification (identical national adoption of ISO/IEC 18477-1:2024 and revision of INCITS/ISO/IEC 18477-1:2020 [2021]) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 21122-4:2024 [2024], Information technology - JPEG XS low-latency lightweight image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 21122-4:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23000-19:2024 [2024], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media (identical national adoption of ISO/IEC 23000-19:2024 and revision of INCITS/ISO/IEC 23000-19:2020 [2021], and INCITS/ISO/IEC 23000-19:2020/AM1:2021 [2022]) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23000-19:2024/AM1:2024 [2024], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Low complexity enhancement video coding (LCEVC) and other technologies (identical national adoption of ISO/IEC 23000-19:2024/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23001-11:2023 [2024], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) (identical national adoption of ISO/IEC 23001-11:2023 and revision of INCITS/ISO/IEC 23001-11:2019 [2021]) Final Action Date: 12/5/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 23001-17:2024 [2024], Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format (identical national adoption of ISO/IEC 23001-17:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23001-11:2023/AM1:2024 [2024], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) - Amendment 1: Energy-efficient media consumption (green metadata) for EVC (identical national adoption of ISO/IEC 23001-11:2023/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23008-6:2021 [2024], Information technology - High-efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software (identical national adoption of ISO/IEC 23008-6:2021 and revision of INCITS/ISO/IEC 23008-6:2020 [2021]) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23008-6:2021/AM1:2024 [2024], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software - Amendment 1: Corrections for closest loudspeaker playout and increased software resilience (identical national adoption of ISO/IEC 23008-6:2021/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-3:2024 [2024], Information technology - Coded representation of immersive media - Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2024 and revision of INCITS/ISO/IEC 23090-3:2022 [2023]) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-13:2024 [2024], Information technology - Coded representation of immersive media - Part 13: Video decoding interface for immersive media (identical national adoption of ISO/IEC 23090-13:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-15:2024 [2024], Information technology - Coded representation of immersive media - Part 15: Conformance testing for versatile video coding (identical national adoption of ISO/IEC 23090-15:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-18:2024 [2024], Information technology - Coded representation of immersive media - Part 18: Carriage of geometry-based point cloud compression data (identical national adoption of ISO/IEC 23090-18:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-21:2024 [2024], Information technology - Coded representation of immersive media - Part 21: Reference software for Geometry-based Point Cloud Compression (G-PCC) (identical national adoption of ISO/IEC 23090-21:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23090-6:2021/AM1:2024 [2024], Information technology - Coded representation of immersive media - Part 6: Immersive media metrics - Amendment 1: Immersive media metrics for V3C Data and OMAF (identical national adoption of ISO/IEC 23090-6:2021/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23094-2:2021/AM1:2024 [2024], Information technology - General video coding - Part 2: Low complexity enhancement video coding - Amendment 1: Additional levels (identical national adoption of ISO/IEC 23094-2:2021/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 23837-2:2023 [2024], Information security - Security requirements, test and evaluation methods for quantum key distribution - Part 2: Evaluation and testing methods (identical national adoption of ISO/IEC 23837-2:2023) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 24787-1:2024 [2024], Information technology - On-card biometric comparison - Part 1: General principles and specifications (identical national adoption of ISO/IEC 24787-1:2024 and revision of INCITS/ISO/IEC 24787:2018 [2020]) Final Action Date: 12/5/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 24787-2:2024 [2024], Information technology - On-card biometric comparison - Part 2: Work-sharing mechanism (identical national adoption of ISO/IEC 24787-2:2024 and revision of INCITS/ISO/IEC 24787:2018 [2020]) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 24789-1:2024 [2024], Identification cards - Card service life - Part 1: Application profiles and requirements (identical national adoption of ISO/IEC 24789-1:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 24789-2:2024 [2024], Identification cards - Card service life - Part 2: Methods of evaluation (identical national adoption of ISO/IEC 24789-2:2024) Final Action Date: 12/5/2024 | *National Adoption*

INCITS/ISO/IEC 27006-1:2024 [2024], Information security, cybersecurity and privacy protection - Requirements for bodies providing audit and certification of information security management systems - Part 1: General (identical national adoption of ISO/IEC 27006-1:2024 and revision of INCITS/ISO/IEC 27006-1:2024 [202x]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27033-7:2023 [2024], Information technology - Network security - Part 7: Guidelines for network virtualization security (identical national adoption of ISO/IEC 27033-7:2023) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 5927:2024 [2024], Computer graphics, image processing and environmental data representation - Augmented and virtual reality safety - Guidance on safe immersion, set up and usage (identical national adoption of ISO/IEC 5927:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 17825:2024 [2024], Information technology - Security techniques - Testing methods for the mitigation of non-invasive attack classes against cryptographic modules (identical national adoption of ISO/IEC 17825:2024 and revision of INCITS/ISO/IEC 17825:2016 [R2023]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 20924:2024 [2024], Internet of Things (IoT) and digital twin - Vocabulary (identical national adoption of ISO/IEC 20924:2024 and revision of INCITS/ISO/IEC 20924:2021 [2021]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27040:2024 [2024], Information technology - Security techniques - Storage security (identical national adoption of ISO/IEC 27040:2024 and revision of INCITS/ISO/IEC 27040:2015 [R2022]) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27402:2023 [2024], Cybersecurity - IoT security and privacy - Device baseline requirements (identical national adoption of ISO/IEC 27402:2023) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27403:2024 [2024], Cybersecurity - IoT security and privacy - Guidelines for IoT-domotics (identical national adoption of ISO/IEC 27403:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27554:2024 [2024], Information security, cybersecurity and privacy protection - Application of ISO 31000 for assessment of identity-related risk (identical national adoption of ISO/IEC 27554:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 27561:2024 [2024], Information security, cybersecurity and privacy protection - Privacy operationalisation model and method for engineering (POMME) (identical national adoption of ISO/IEC 27561:2024) Final Action Date: 12/3/2024 | *National Adoption*

INCITS/ISO/IEC 7810:2019/AM1:2024 [2024], Identification cards - Physical characteristics - Amendment 1: Additional requirements for integrated circuit cards with contacts (identical national adoption of ISO/IEC 7810:2019/AM1:2024) Final Action Date: 12/5/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 27001:2022/AM1:2024 [2024], Information security, cybersecurity and privacy protection - Information security management systems - Requirements - Amendment 1: Climate action changes (identical national adoption of ISO/IEC 27001:2022/AM1:2024) Final Action Date: 12/3/2024 | *National Adoption*

NECA (National Electrical Contractors Association)

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

ANSI/NECA 121-2024, Standard for Installing Nonmetallic-Sheathed Cable (Type NM-B) and Underground Feeder and Branch-Circuit Cable (Type UF) (new standard) Final Action Date: 12/3/2024 | *New Standard*

ANSI/NECA 90-2024, Standard for Commissioning Building Electrical Systems (revision of ANSI/NECA 90-2015) Final Action Date: 12/2/2024 | *Revision*

NEMA (ASC C137) (National Electrical Manufacturers Association)

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

ANSI/C137.9-2024, Standard for Lighting Systems Network Lighting Control Systems Configuration Report (new standard) Final Action Date: 12/5/2024 | *New Standard*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 12-2025, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2018) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 12A-2025, Standard on Halon 1301 Fire Extinguishing Systems (revision of ANSI/NFPA 12A-2022) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 36-2025, Standard for Solvent Extraction Plants (revision of ANSI/NFPA 36-2021) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 285-2025, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2023) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 329-2025, Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases (revision of ANSI/NFPA 329-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 410-2025, Standard on Aircraft Maintenance (revision of ANSI/NFPA 410-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 501A-2025, Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities (revision of ANSI/NFPA 501A-2021) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 600-2025, Standard on Facility Fire Brigades (revision of ANSI/NFPA 600-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 601-2025, Standard for Security Services in Fire Loss Prevention (revision of ANSI/NFPA 601-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 660-2025, Standard for Combustible Dusts (revision and redesignation of NFPA 61, NFPA 484, NFPA 652, NFPA 654, NFPA 655 and NFPA 664) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 804-2025, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 804-2020) Final Action Date: 12/6/2024 | *Revision*

NFPA (National Fire Protection Association)

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ANSI/NFPA 805-2025, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 805-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 806-2025, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process (revision of ANSI/NFPA 806-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 853-2025, Standard for the Installation of Stationary Fuel Cell Power Systems (revision of ANSI/NFPA 853-2020) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 909-2025, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2021) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 1020-2025, Standard for Fire Officer and Emergency Services Instructor Professional Qualifications (revision, redesignation and consolidation of NFPA 1021 and NFPA 1041) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 1580-2025, Standard for Emergency Responder Occupational Health and Wellness (revision, redesignation and consolidation of NFPA 1581, NFPA 1582, NFPA 1583 and NFPA 1584) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 1930-2025, Standard on Fire and Emergency Service Use of Thermal Imagers, Two-Way Portable RF Voice Communication Devices, Ground Ladders, and Fire Hose, and Fire Hose Appliances (revision, redesignation and consolidation of NFPA 1801, NFPA 1802, NFPA 1932, NFPA 1937 and NFPA 1962) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 1955-2025, Standard on Surface Water Operations Protective Clothing and Equipment and Protective Ensembles for Contaminated Water Diving (revision, redesignation and consolidation of NFPA 1952 and NFPA 1953) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 2001-2025, Standard on Clean Agent Fire Extinguishing Systems (revision of ANSI/NFPA 2001-2022) Final Action Date: 12/6/2024 | *Revision*

ANSI/NFPA 2010-2025, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2020) Final Action Date: 12/6/2024 | *Revision*

PCI (Precast/Prestressed Concrete Institute)

8770 W. Bryn Mawr Ave., Suite 1150, Chicago, Illinois 60631 | egallandorm@pci.org, www.pci.org

ANSI/PCI 128-2024, Specification for Glass-Fiber-Reinforced Concrete Panels (revision of ANSI/PCI 128-2019) Final Action Date: 12/2/2024 | *Revision*

RESNET (Residential Energy Services Network, Inc.)

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

ANSI/RESNET/ICC 380-2022 Addendum B-2024, Central Fan Integrated Supply Systems (addenda to ANSI/RESNET/ICC 380-2022) Final Action Date: 12/3/2024 | *Addenda*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 455-224-A-2024, Calibration of fibre optic chromatic dispersion test sets (identical national adoption of IEC 61744:2023) Final Action Date: 12/3/2024 | *National Adoption*

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60201 | christina.riemer@ul.org, <https://ulse.org/>

ANSI/UL 60034-2-1-2024, Standard for Safety for Rotating Electrical Machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (identical national adoption of IEC 60034-2-1 and revision of ANSI/UL 60034-2-1-2017 (R2022)) Final Action Date: 11/15/2024 | *National Adoption*

ANSI/UL 60079-31-2024, Standard for Safety for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure t (identical national adoption of IEC 60079-31 and revision of ANSI/UL 60079-31-2015 (R2020)) Final Action Date: 11/18/2024 | *National Adoption*

ANSI/UL 60079-10-1-2024, Standard for Safety for Explosive Atmospheres - Part 10-1: Classification of Areas - Explosive Gas Atmospheres (national adoption with modifications of IEC 60079-10-1) Final Action Date: 12/6/2024 | *National Adoption*

ANSI/UL 60730-2-6-2024, Standard for Automatic Electrical Controls - Part 2-6: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements (national adoption of IEC 60730-2-6 with modifications and revision of ANSI/UL 60730-2-6-2021) Final Action Date: 12/2/2024 | *National Adoption*

ANSI/UL 61010-1-2024, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2023) Final Action Date: 11/15/2024 | *National Adoption*

ANSI/UL 497A-2019 (R2024), Standard for Safety for Secondary Protectors for Communication Circuits (reaffirmation of ANSI/UL 497A-2019) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/UL 2061-2020 (R2024), Standard for Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies (reaffirmation of ANSI/UL 2061-2020) Final Action Date: 12/5/2024 | *Reaffirmation*

ANSI/UL 62841-3-1000-2019 (R2024), Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1000: Particular Requirements for Transportable Laser Engravers (reaffirmation of ANSI/UL 62841-3-1000-2019) Final Action Date: 12/3/2024 | *Reaffirmation*

ANSI/UL 588-2024, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2023) Final Action Date: 12/5/2024 | *Revision*

ANSI/UL 2227-2024, Standard for Overfilling Prevention Devices (revision of ANSI/UL 2227-2019) Final Action Date: 12/5/2024 | *Revision*

ANSI/UL 2238-2024b, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2024) Final Action Date: 12/5/2024 | *Revision*

ANSI/UL 920004-2024, Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors (revision of ANSI/UL 920004-2014 (R2022)) Final Action Date: 12/6/2024 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

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

Call for Participation

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

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

Interest Category: manufacturer, user, general interest, distributor or dealer, labor, and regulatory agency.

To apply or obtain additional information please contact Kirk Sander at ksander@wasterecycling.org. For more information, see <https://wasterecycling.org/ans-z245-standards/>

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

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

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

DirectTrust™ (DirectTrust.org, Inc.)

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

BSR/DS2020-03-101-202x, Event Notifications via the Direct Standard® (revision of ANSI/DS2020-03-101-2024) Interest Categories: Call for Members: DS2020_03 - Event Notifications via the Direct Standard(R) Are you interested in contributing to the development and maintenance of an implementation guide for actors in the healthcare ecosystem who will use the Direct Standard(R) for the communication of various transactions in support of Encounter and Event Notifications? DirectTrust is currently seeking members in the following sectors/categories: Healthcare, Government, Payer, Consumer, Socialcare, General Interest and Advocacy, Information Technology, and Interoperability and Systems Integration. If you are interested in joining the DS2020_03- Event Notifications via the Direct Standard(R) Consensus Body, contact Standards@DirectTrust.org.

ECIA (Electronic Components Industry Association)

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

BSR/EIA 469-F-202x, Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision and redesignation of ANSI/EIA 469-E-2017)

NEMA (National Electrical Manufacturers Association)

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

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

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | kbailey@niso.org, www.niso.org

BSR/NISO Z39.108-202x, U.S. National PID Strategy (new standard)

NSF (NSF International)

789 N Dixboro Rd, Ann Arbor, MI 48105 | bfreeman@nsf.org, www.nsf.org

BSR/NSF/CAN 50-202x (i211r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2024)

ULSE (UL Standards & Engagement)

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

BSR/UL 858-202x, Standard for Household Electric Ranges (revision of ANSI/UL 858-2023)

American National Standards (ANS) Process

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

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

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

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

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

LIA (ASC Z136) - The Laser Institute Safe Use of Lasers

Z136 Annual Meeting - March 2, 2025

Event: Z136 Annual Meeting

Date: Sunday, March 2nd

Location: Orlando, FL

Place: Doubletree by Hilton at the Entrance to Universal Orlando

RSVP Form: <https://forms.gle/XVTjtn91m2V8HFgx8>

Contact Person: John McCormack (jmccormack@lia.org)

Open to Public: Yes

Cost: Free

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.

ABYC

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ASA (ASC S12)

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ISO & IEC Draft International Standards



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

COMMENTS

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

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 7304-1, Durum wheat semolina and alimentary pasta - Estimation of cooking quality of alimentary pasta by sensory analysis - Part 1: Reference method - 2/27/2025, \$53.00

Building construction (TC 59)

ISO/DIS 15686-1, Buildings and constructed assets - Service life planning - Part 1: General principles and framework - 2/23/2025, \$112.00

ISO/DIS 15686-2, Buildings and constructed assets - Service life planning - Part 2: Process considerations - 2/24/2025, \$77.00

ISO/DIS 15686-3, Buildings and constructed assets - Service life planning - Part 3: Methods, data and communication - 2/24/2025, \$98.00

Chain of custody - General terminology and models (TC 308)

ISO/DIS 13659, Chain of custody - Book and claim - Requirements and guidelines - 2/24/2025, \$71.00

ISO/DIS 13662, Chain of custody - Mass balance - Requirements and guidelines - 2/24/2025, \$112.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO/DIS 18726, Assessment, prevention, and repair for steel corrosion in reinforced concrete structures - 2/23/2025, \$58.00

Doors and windows (TC 162)

ISO/DIS 21174, Doors, windows and curtain walling - Hardware for doors and windows - Vocabulary - 2/24/2025, \$119.00

Environmental management (TC 207)

ISO 14001:2015/DAmD 2, - Amendment 2: Environmental management systems - Requirements with guidance for use - Amendment 2 - 2/27/2025, \$112.00

Ergonomics (TC 159)

ISO/DIS 16710-2, Ergonomics methods - Part 2: A methodology for work analysis to support design - 2/22/2025, \$98.00

Jewellery (TC 174)

ISO/DIS 19919, Jewellery and precious metals - Determination of silver - ICP-OES method using an internal standard element - 2/23/2025, \$46.00

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

ISO/DIS 21809-5, Oil and gas industries including lower carbon energy - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 5: External concrete coatings - 2/8/2025, \$107.00

Mechanical testing of metals (TC 164)

ISO/DIS 6892-2, Metallic materials - Tensile testing - Part 2: Method of test at elevated temperature - 2/24/2025, \$77.00

Nuclear energy (TC 85)

ISO/DIS 18990, Measurement of radioactivity in urine-238Pu, 239Pu and 240Pu-Test method using alpha spectrometry and ICP-MS - 2/22/2025, \$107.00

Paints and varnishes (TC 35)

ISO/DIS 11126-10, Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 10: Almandine garnet - 2/6/2025, \$40.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 22568-2:2019/DAMd 1, - Amendment 1: Foot and leg protectors - Requirements and test methods for footwear components - Part 2: Non-metallic toecaps - Amendment 1 - 2/24/2025, \$29.00

Petroleum products and lubricants (TC 28)

ISO/DIS 16675, Petroleum and related products - Determination of anti-aging for phosphate ester turbine control fluids - 2/27/2025, \$40.00

Railway applications (TC 269)

ISO/DIS 24675-2, Railway Applications - Running time calculation for timetabling - Part 2: Distance-speed diagrams and speed curves - 2/24/2025, \$77.00

Rubber and rubber products (TC 45)

ISO/DIS 1825, Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification - 2/21/2025, \$93.00

Ships and marine technology (TC 8)

ISO/DIS 6319, Ships and marine technology - Marine environment protection - Conducting and documenting in-water cleaning of ships biofouling - 2/22/2025, \$93.00

Steel and aluminium structures (TC 167)

ISO/DIS 18953, Steel structures - Structural bolting - Test method to determine loss of pretension from faying surface coatings - 2/24/2025, \$58.00

ISO/DIS 18954, Steel structures - Structural bolting - Test method to determine parameters of bolt tightening procedures - 2/21/2025, \$62.00

Sterilization of health care products (TC 198)

ISO/DIS 15883-6, Washer-disinfectors - Part 6: Requirements and tests for washer-disinfectors employing thermal disinfection for noncritical medical devices and health care equipment - 2/27/2025, \$58.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 16642, Management of terminology resources - Terminological markup framework - 2/27/2025, \$67.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 22471:2020/DAMd 1, - Amendment 1: Permissible mechanical connection combinations between towed and towing agricultural vehicles - Amendment 1 - 2/9/2025, \$29.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 27017, Information security, cybersecurity and privacy protection - Information security controls based on ISO/IEC 27002 for cloud services - 2/27/2025, \$107.00

ISO/IEC DIS 27028, Information security, cyber security and privacy protection - Guidance on ISO/IEC 27002 attributes - 2/8/2025, \$77.00

ISO/IEC DIS 18000-65, Information technology - Radio frequency identification for item management - Part 65: Parameters for air interface communications for streaming sensors based on ISO/IEC 18000-63 - 2/7/2025, \$82.00

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

94/1087A(F)/FDIS, IEC 63522-35 ED1: Electrical relays - Tests and Measurements - Part 35: Resistance to cleaning solvents, 12/20/2024

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

100/4247/FDIS, IEC 63563-1 ED1: Qi Specification version 2.0 - Part 1: Introduction, 01/17/2025

100/4254/FDIS, IEC 63563-10 ED1: Qi Specification version 2.0 - Part 10: MPP System Specification, 01/17/2025

100/4255/FDIS, IEC 63563-11 ED1: Qi Specification version 2.0 - Part 11: MPP Communications Protocol, 01/17/2025

100/4248/FDIS, IEC 63563-2 ED1: Qi Specification version 2.0 - Part 2: Glossary, 01/17/2025

100/4256/FDIS, IEC 63563-3 ED1: Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface, 01/17/2025

100/4249/FDIS, IEC 63563-4 ED1: Qi Specification version 2.0 - Part 4: Power Delivery, 01/17/2025

100/4250/FDIS, IEC 63563-5 ED1: Qi Specification version 2.0 - Part 5: Communications Physical Layer, 01/17/2025

100/4251/FDIS, IEC 63563-6 ED1: Qi Specification version 2.0 - Part 6: Communications Protocol, 01/17/2025

100/4257/FDIS, IEC 63563-7 ED1: Qi Specification version 2.0 - Part 7: Foreign Object Detection, 01/17/2025

100/4252/FDIS, IEC 63563-8 ED1: Qi Specification version 2.0 - Part 8: NFC Tag Protection, 01/17/2025

100/4253/FDIS, IEC 63563-9 ED1: Qi Specification version 2.0 - Part 9: Authentication Protocol, 01/17/2025

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

46A/1713/CD, IEC 61196-1-114 ED2: Coaxial communication cables - Part 1-114: Electrical test methods - Test for inductance, 01/31/2025

Capacitors and resistors for electronic equipment (TC 40)

40/3193(F)/FDIS, IEC 62391-2 ED2: Fixed electric double-layer capacitors for use in electronic equipment - Part 2: Sectional specification - Electric double-layer capacitors for power application, 01/03/2025

Electric cables (TC 20)

20/2209/CDV, IEC 60287-3-2 ED3: Electric cables - Calculation of the current rating - Part 3-2: Sections on operating conditions - Economic optimization of power cable size, 02/28/2025

Electric traction equipment (TC 9)

9/3160/FDIS, IEC 62590-1 ED1: Railway applications - Electronic power converters for fixed installations - Part 1: General requirements, 01/17/2025

Electrical accessories (TC 23)

23E/1384/CDV, IEC 63508 ED1: CDD Database - Circuit-breakers and similar equipment for household use, 01/31/2025

Electrical equipment in medical practice (TC 62)

62A/1628/CD, IEC 60601-1/FRAG1 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - General requirements (Fragment 1), 02/28/2025

62A/1629/CD, IEC 60601-1/FRAG11 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Electromagnetic exposure hazards (Fragment 11), 02/28/2025

62A/1630/CD, IEC 60601-1/FRAG2 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Physical environment hazard (Fragment 2), 02/28/2025

62A/1631/CD, IEC 60601-1/FRAG3 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - User interface hazards (Fragment 3), 02/28/2025

62A/1632/CD, IEC 60601-1/FRAG4 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Materials hazards (Fragment 4), 02/28/2025

62D/2188/CDV, ISO 80601-2-74 ED3: Medical electrical equipment - Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment, 02/28/2025

62D/2189/CDV, ISO 80601-2-90 ED2: Medical electrical equipment - Part 2-90: Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment, 02/28/2025

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

18A/495/CDV, IEC 60092-352 ED4: Electrical installations in ships - Part 352: Choice and installation of electrical cables, 01/31/2025

Electroacoustics (TC 29)

29/1189/CDV, IEC 60645-7 ED2: Electroacoustics - Audiometric equipment - Part 7: Instruments for the measurement of auditory evoked potentials, 02/28/2025

Electrostatics (TC 101)

101/723A(F)/FDIS, IEC 61340-4-11 ED1: Electrostatics - Part 4-11: Standard test methods for specific applications - Testing of electrostatic properties of composite IBC, 12/20/2024

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

112/670/CD, IEC TS 62332-1 ED3: Electrical insulation systems (EIS) - Thermal evaluation of combined liquid and solid components - Part 1: General requirements, 01/31/2025

Fibre optics (TC 86)

86C/1955/CD, IEC 61757-8-1 ED1: Fibre optic sensors - Part 8-1: Pressure measurement - Pressure sensors based on fibre Bragg gratings, 01/31/2025

Flat Panel Display Devices (TC 110)

110/1726/CD, IEC 63145-20-10 ED2: Eyewear display - Part 20-10: Fundamental measurement methods - Optical properties, 01/31/2025

110/1723/CD, IEC TR 62908-1-3 ED2: Touch and interactive displays - Part 1-3: General introduction of pen touch technology, 01/31/2025

110/1724/CD, IEC TR 63340-4 ED1: Electronic displays for special applications - Part 4: Public information and signage, 01/31/2025

Fuel Cell Technologies (TC 105)

105/1093/FDIS, IEC 62282-7-2 ED2: Fuel cell technologies - Part 7-2: Test methods - Single cell and stack performance tests for solid oxide fuel cells (SOFCs), 01/17/2025

Industrial-process measurement and control (TC 65)

65C/1329A(F)/FDIS, IEC 62657-2 ED4: Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management, 12/20/2024

65C/1330A(F)/FDIS, IEC 62657-4 ED2: Industrial networks - Coexistence of wireless systems - Part 4: Coexistence management with central coordination of wireless applications, 12/20/2024

Instrument transformers (TC 38)

38/808A(F)/FDIS, IEC 61869-20 ED1: Instrument transformers - Part 20: Safety requirements of instrument transformers for high voltage applications, 12/20/2024

Insulation co-ordination for low-voltage equipment (TC 109)

109/235(F)/FDIS, IEC 60664-1/AMD1 ED3: Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, 01/03/2025

Insulators (TC 36)

36/609(F)/FDIS, IEC 61109 ED3: Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria, 12/20/2024

Lamps and related equipment (TC 34)

34A/2421(F)/FDIS, IEC 62868-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, 12/27/2024

34A/2422(F)/FDIS, IEC 62868-2-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-1: Particular requirements - Semi-integrated OLED modules, 12/27/2024

34A/2423(F)/FDIS, IEC 62868-2-2/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-2: Particular requirements - Integrated OLED modules, 12/27/2024

34A/2424(F)/FDIS, IEC 62868-2-3/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, 12/27/2024

34A/2425(F)/FDIS, IEC 62868-2-4 ED1: Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-4: Particular requirements - Rigid OLED tiles and panels, 12/27/2024

34/1292/CD, IEC 63116 ED1: Lighting systems - General requirements, 02/14/2025

34A/2432/CD, IEC 63356-1 ED3: LED light source characteristics - Part 1: Data sheets, 02/07/2025

Nuclear instrumentation (TC 45)

45A/1564(F)/CDV, IEC 63413 ED1: Nuclear Power Plants - Instrumentation and control systems important to safety - Platform qualification, 02/07/2025

Performance of household electrical appliances (TC 59)

59D/526/FDIS, IEC 60704-2-4 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and spin extractors, 01/17/2025

59F/517/CD, IEC/ASTM 62885-10 ED1: Battery-related items for surface cleaning appliances for household or similar use - Methods for measuring the performance, 02/14/2025

Rotating machinery (TC 2)

2/2221/CD, IEC 60034-30-2 ED2: Rotating electrical machines - Part 30-2: Efficiency classes of variable speed AC motors (IE-code), 01/31/2025

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

116/857/FDIS, IEC 62841-2-14/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-14: Particular requirements for hand-held planers, 01/17/2025

116/858/FDIS, IEC 62841-2-17/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-17: Particular requirements for hand-held routers, 01/17/2025

116/864/FDIS, IEC 62841-2-4/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type, 01/17/2025

116/851/CDV, IEC 63241-3-3 ED1: Electric motor-operated tools - Dust measurement procedure - Part 3-3: Particular requirements for transportable planers and thicknessers, 02/28/2025

116/852/CDV, IEC 63241-3-9 ED1: Electric motor-operated tools - Dust measurement procedure - Part 3-9: Particular requirements for transportable mitre saws, 02/28/2025

Safety of household and similar electrical appliances (TC 61)

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

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

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

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

Semiconductor devices (TC 47)

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

47D/984/NP, PNW 47D-984 ED1: Date Code of individual electronic components, 02/28/2025

Solar photovoltaic energy systems (TC 82)

82/2335/CD, IEC 62116 ED3: Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures, 01/31/2025

System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A.C., particularly considering safety aspects (TC 99)

99/484/CD, IEC 61936-0 ED1: Power installations exceeding 1 kV AC and 1,5 kV DC - Part 0: Principles to be observed in the design and erection of high voltage installations - Safety of high voltage installations, 03/28/2025

(SyCAAL)

SyCAAL/377/NP, PNW TS SYCAAL-377 ED1: Guidance for the development and implementation of Active Assisted Living (AAL) Systems and Services, 02/28/2025

ISO/IEC JTC 1, Information Technology

(JTC1-SC41)

JTC1-SC41/480/DTR, ISO/IEC TR 30189-1 ED1: Internet of Things (IoT) - IoT-based management of tangible cultural heritage assets - Part 1: Framework, 01/03/2025



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

Biotechnology (TC 276)

[ISO 18162:2024](#), Biotechnology - Biobanking - Requirements for human neural stem cells derived from pluripotent stem cells, \$166.00

Building environment design (TC 205)

[ISO 16484-6:2024](#), Building automation and control systems (BACS) - Part 6: Data communication conformance testing, \$278.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

[ISO 19044:2024](#), Test methods for fibre-reinforced cementitious composites - Load-displacement curve using notched specimen, \$81.00

Corrosion of metals and alloys (TC 156)

[ISO 16784-1:2024](#), Corrosion of metals and alloys - Corrosion and fouling in industrial cooling water systems - Part 1: Guidelines and requirements for conducting pilot-scale evaluation of corrosion and fouling control additives for open recirculating cooling water systems, \$124.00

[ISO 16784-2:2024](#), Corrosion of metals and alloys - Corrosion and fouling in industrial cooling water systems - Part 2: Evaluation of the performance of cooling water treatment programmes using a pilot-scale test rig, \$166.00

Documents and data elements in administration, commerce and industry (TC 154)

[ISO 20197-1:2024](#), Buy-Ship-Pay reference data model - Part 1: Business requirements specification (BRS), \$124.00

Floor coverings (TC 219)

[ISO 20251:2024](#), Textile floor coverings - Water impermeability test, \$54.00

Geosynthetics (TC 221)

[ISO 12957-2:2024](#), Geosynthetics - Determination of friction characteristics - Part 2: Inclined plane test, \$81.00

Health Informatics (TC 215)

[ISO 14199:2024](#), Health informatics - Information models - Biomedical Research Integrated Domain Group (BRIDG) Model, \$81.00

Indirect, temperature-controlled refrigerated delivery services – land transport of parcels with intermediate transfer (TC 315)

[ISO 31512:2024](#), Cold chain logistics services in the business to business (B to B) sector - Requirements and guidelines for storage and transport, \$81.00

Industrial automation systems and integration (TC 184)

[ISO 15926-6:2024](#), Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 6: Rules for the development and validation of reference data of ISO/TS 15926 -4, \$194.00

[ISO 8000-210:2024](#), Data quality - Part 210: Sensor data: Data quality characteristics, \$194.00

Light metals and their alloys (TC 79)

[ISO 23515:2022/Amd 1:2024](#), - Amendment 1: Titanium and titanium alloys - Designation system - Amendment 1, \$23.00

Medical devices for injections (TC 84)

[ISO 23908:2024](#), Sharps injury protection - Sharps protection mechanisms for single-use needles, introducers for catheters and needles used for blood testing, monitoring, sampling and medical substance administration - Requirements and test methods, \$124.00

Metallic and other inorganic coatings (TC 107)

[ISO 23100:2024](#), Decorative physical vapor deposition (PVD) coatings on kitchen and sanitary ware fittings - Specification and test methods, \$81.00

Optics and optical instruments (TC 172)

[ISO 15004-2:2024](#), Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection, \$250.00

Other

[ISO 17234-1:2024](#), Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants, \$166.00

Plain bearings (TC 123)

[ISO 4385:2024](#), Plain bearings - Compression testing of bearing materials, \$81.00

Plastics (TC 61)

[ISO 15373:2024](#), Plastics - Polymer dispersions - Determination of free formaldehyde, \$124.00

[ISO 29862:2024](#), Self adhesive tapes - Determination of peel adhesion properties, \$124.00

[ISO 4892-4:2024](#), Plastics - Methods of exposure to laboratory light sources - Part 4: Open-flame carbon-arc lamps, \$81.00

[ISO 19069-2:2024](#), Plastics - Polypropylene (PP) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$81.00

Prosthetics and orthotics (TC 168)

[ISO 22675:2024](#), Prosthetics - Testing of ankle-foot devices and foot units - Requirements and test methods, \$278.00

Ships and marine technology (TC 8)

[ISO 28005-1:2024](#), Ships and marine technology - Electronic port clearance (EPC) - Part 1: Message structures and application programming interfaces, \$278.00

[ISO 28005-3:2024](#), Ships and marine technology - Electronic port clearance (EPC) - Part 3: Data elements for ship and port operation, \$278.00

Tractors and machinery for agriculture and forestry (TC 23)

[ISO 5674:2024](#), Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria, \$166.00

Traditional Chinese medicine (TC 249)

[ISO 19025:2024](#), Traditional Chinese medicine - Glycyrrhiza uralensis, Glycyrrhiza inflata, and Glycyrrhiza glabra root and rhizome, \$124.00

Water quality (TC 147)

[ISO 4702:2024](#), Water quality - Zirconium 93 - Test method using ICP-MS, \$124.00

[ISO 4721:2024](#), Water quality - Strontium 90 - Test method using ICP-MS, \$166.00

[ISO 4722-2:2024](#), Water quality - Thorium 232 - Part 2: Test method using ICP-MS, \$124.00

[ISO 13165-3:2024](#), Water quality - Radium-226 - Part 3: Test method using coprecipitation and gamma-ray spectrometry, \$124.00

Water re-use (TC 282)

[ISO 20466:2024](#), Guidance for performance grading of recovered reverse osmosis (RO) membranes for water reuse, \$81.00

ISO Technical Reports**Other**

[ISO/TR 22824:2024](#), Welding - Best practices for specification and measurement of ferrite in stainless steel weld metal, \$194.00

Transport information and control systems (TC 204)

[ISO/TR 6029-1:2024](#), Intelligent transport systems - Seamless positioning for multimodal transportation in ITS stations - Part 1: General information and use case definition, \$223.00

ISO Technical Specifications**Footwear (TC 216)**

[ISO/TS 23889:2024](#), Footwear - Performance requirements for components for footwear - Heels and top pieces, \$54.00

Health Informatics (TC 215)

[ISO/TS 17117-3:2024](#), Health informatics - Terminological resources - Part 3: Terminology implementation maturity model (TIMM), \$124.00

Petroleum products and lubricants (TC 28)

[ISO/TS 23877-2:2024](#), Petroleum and related products from natural or synthetic sources - Determination of pour point - Part 2: Automated linear cooling method, \$81.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 24722:2024](#), Information technology - Biometrics - Multimodal and other multibiometric fusion, \$166.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30181:2024](#), Internet of Things (IoT) - Functional architecture for resource identifier interoperability, \$104.00

[ISO/IEC 30194:2024](#), Internet of things (IoT) and digital twin - Best practices for use case projects, \$194.00

[ISO/IEC 20008-3:2024](#), Information security - Anonymous digital signatures - Part 3: Mechanisms using multiple public keys, \$166.00

[ISO/IEC 15045-3-1:2024](#), Information technology - Home Electronic System (HES) gateway - Part 3-1: Privacy, security, and safety - Introduction, \$223.00

[ISO/IEC TS 7339:2024](#), Information technology - Cloud computing
- Overview of platform capabilities type and platform as a service, \$223.00

[ISO/IEC TS 22604:2024](#), Information technology - Biometric recognition of subjects in motion in access-related systems, \$124.00

IEC Standards

All-or-nothing electrical relays (TC 94)

[IEC 63522-13 Ed. 1.0 b:2024](#), Electrical relays - Tests and measurements - Part 13: Corrosive atmospheres due to sulfur impact, \$52.00

[IEC 63522-15 Ed. 1.0 b:2024](#), Electrical relays - Tests and measurements - Part 15: Robustness of terminals, \$26.00

[IEC 63522-17 Ed. 1.0 b:2024](#), Electrical relays - Tests and measurements - Part 17: Shock, acceleration and vibration, \$103.00

[IEC 63522-48 Ed. 1.0 b:2024](#), Electrical relays - Tests and measurements - Part 48: Contact failure rate test, \$245.00

Documentation and graphical symbols (TC 3)

[IEC 81355-1 Ed. 1.0 b:2024](#), Industrial systems, installations and equipment and industrial products - Classification and designation of information - Part 1: Basic rules and classification of information, \$348.00

Electric cables (TC 20)

[IEC 60331-4 Ed. 1.0 en:2024](#), Tests for electric cables under fire conditions - Circuit integrity - Part 4: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage higher than 1 kV up to and including 30 kV, \$245.00

Electrical accessories (TC 23)

[IEC 60670-1 Ed. 3.0 b:2024](#), Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements, \$444.00

[S+ IEC 60670-1 Ed. 3.0 en:2024 \(Redline version\)](#), Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements, \$756.00

Flat Panel Display Devices (TC 110)

[IEC 62715-6-23 Ed. 1.0 en:2024](#), Flexible displays devices - Part 6-23: Mechanical test methods - Mechanical misaligned folding test method, \$103.00

Surface mounting technology (TC 91)

[IEC 61188-6-3 Ed. 1.0 b:2024](#), Circuit boards and circuit board assemblies - Design and use - Part 6-3: Land pattern design - Description of land pattern for through hole components (THT), \$303.00

[IEC 61189-2-809 Ed. 1.0 b:2024](#), Test methods for electrical materials, circuit boards and other interconnection structures and assemblies - Part 2-809: X/Y coefficient of thermal expansion (CTE) test for thick base materials by TMA, \$52.00

Switchgear and controlgear (TC 17)

[S+ IEC/TR 62271-307 Ed. 2.0 en:2024 \(Redline version\)](#), High-voltage switchgear and controlgear - Part 307: Guidance for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, \$657.00

IEC Technical Reports

Power system control and associated communications (TC 57)

[IEC/TR 61850-7-6 Ed. 2.0 en:2024](#), Communication networks and systems for power utility automation - Part 7-6: Guideline for definition of Basic Application Profiles (BAPs) using IEC 61850, \$515.00

[IEC/TR 61850-90-22 Ed. 1.0 en:2024](#), Communication networks and systems for power utility automation - Part 90-22: SCD based substation network automated management with with visualization and supervision support, \$483.00

Switchgear and controlgear (TC 17)

[IEC/TR 62271-307 Ed. 2.0 en:2024](#), High-voltage switchgear and controlgear - Part 307: Guidance for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, \$386.00

IEC Technical Specifications

Bare aluminium conductors (TC 7)

[IEC/TS 62818-2 Ed. 1.0 en:2024](#), Conductors for overhead lines - Fiber reinforced composite core used as supporting member material - Part 2: Metallic matrix composite cores, \$303.00

Accreditation Announcements (U.S. TAGs to ISO)

Public Review of Application for Accreditation of a U.S. TAG to ISO

TC 174, Jewellery and precious metals

Comment Deadline: January 13, 2025

The Jewelers of America has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 174, Jewellery and precious metals, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. To obtain a copy of the TAG application or to offer comments, please contact: James Evans Lombe, Jewelers of America: 120 Broadway Suite 2820, New York, NY 10271, P: (646) 658-0246 E: jevanslombe@jewelers.org. Please submit any comments to Jewelers of America by January 13, 2025 (please copy jthompso@ANSI.org)

Public Review of Application for Accreditation of a U.S. TAG to ISO

TC 297, Waste collection and transportation management

Comment Deadline: January 13, 2025

The National Waste & Recycling Association, an ANSI Member and Accredited Standards Developer (ASD), has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 297, Waste collection and transportation management, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. To obtain a copy of the TAG application or to offer comments, please contact: Kirk M. Sander, National Waste & Recycling Association: 1550 Crystal Drive, #804 Suite 804, Arlington, 22202, P: (202) 364-3750 E: ksander@wasterecycling.org. Please submit any comments directly to Mr. Sander by January 13, 2025 (please copy jthompso@ANSI.org)

International Organization for Standardization (ISO)

Call for comment on ISO 26000:2010

Comment Deadline: January 17, 2025

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

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

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

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

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

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

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

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

ANSI is seeking U.S. Stakeholders’ input on ISO 26000:2010 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO 26000:2010 can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, January 24, 2025**.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 262 - Risk Management

Comment Deadline: January 3, 2025

ANSI has been informed that the American Society of Safety Professionals (ASSP), the ANSI-accredited U.S. TAG Administrator for ISO/TC 262, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 262 operates under the following scope:

Standardization in the field of risk management

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

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.



2025 Standards Action Publishing | Volume No. 56

*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the *SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

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

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



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



ABYC E-11 July 20XX DRAFT

**Electrical Division Standard
Electrical Project Technical Committee**

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry, and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage, and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the standards and technical information reports.

ABYC E-11

AC AND DC ELECTRICAL SYSTEMS ON BOATS

ABYC E-11

3/2024

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**E-11
7/XX DRAFT*****Origin and Development***

ABYC E-11, *AC & DC Electrical Systems* is a result of combining standards E-8, *Alternating Current (AC) Electrical Systems on Boats*, and E-9, *Direct Current (DC) Electrical Systems on Boats*. ABYC first published E-11 in 2003. This standard was revised in 2008, again in 2009 for a technical amendment, in 2012, 2015, 2018, 2021, and was technically amended in 2023. The 20XX revision is the work of the Electrical Project Technical Committee.

Electrical Project Technical Committee

This list represents the membership at the time the committee was balloted.

Ward Eshleman, *Chair*
William Brian Criner *Vice Chair*

Colin Althen	David DeHorn	John Lach
Dorianne Aubin	William Drake	Robert Macias
Denis Bonneau	Kevin Ferrie	Thomas Marhevko
John Brower	Rick Gotwals	Aaron Meyer
Andy Brown	Emil Hasl	Dave Potter
Nigel Calder	Peter Hayden	Craig Shaffer
Jay Check	Clyde Head	Brad Taylor
James Coté	Ulrich Heinemann	Ray Toth
Jochen Czabke	Charles Johnson	Jose Verdecia
Steve D'Antonio	Chad Keskitalo	Neal Wood

Membership on a committee shall not in and of itself constitute an endorsement of ABYC or any document developed by the committee on which the member serves.

This standard, which is the result of extended and careful consideration of available knowledge and experience on the subject, was developed under procedures accredited as meeting the criteria for American National Standards and is intended to provide minimum performance requirements. The Project Technical Committee that approved the standard was balanced to ensure that individuals from competent and concerned interests have had an opportunity to participate.

ABYC's Project Technical Committee (PTC) meetings are open to the public. All inquiries regarding standards activity, interpretations, or meeting attendance should be directed to the ABYC Technical Department at comments@abycinc.org.

ABYC and its committees do not "approve" or "endorse" any item, construction, or proprietary device.

Request for Interpretations

Upon written request the Electrical PTC will render an interpretation of any requirement of the standard. The request for interpretation should be clear and unambiguous. Requests should be presented to the PTC in a manner in which they may be answered in a "Yes" or "No" fashion.

The committee reserves the right to reconsider any interpretation when or if additional information that might affect it becomes available to the PTC. Persons aggrieved by an interpretation may appeal to the committee for reinterpretation.

This excerpt from the E-11 draft includes substantive changes made by the Electrical PTC after the standard passed its first consensus ballot. These changes are now subject to review during the second consensus ballot and public review.

11.5.2.4 MULTIPLE ENGINE INSTALLATIONS - If a boat has more than one engine with a grounded cranking motor, which includes auxiliary generator engines, the engines negative terminals shall be connected to each other by a conductor, or the DC main negative bus, capable of carrying the cranking motor current of each of the grounded cranking motor circuits (see [DIAGRAM 14](#)).

EXCEPTION: Outboard engines may be connected at the battery negative terminals or DC main negative bus.

11.6.2.2 SHORE POWER

EXCEPTION to 11.6.2.2: The input connections to a pre-wired chargers compliant with [ABYC A-31, Battery Chargers and Inverters](#).

11.10.1.2 Overcurrent protection devices shall be accessible.

11.10.1.3.3 Overcurrent protection devices, when installed as the main battery overcurrent protection device, shall meet the requirements of E-11.10.1.9-10

11.10.1.5 BRANCH CIRCUIT OVERCURRENT PROTECTION

11.10.1.5.1 Branch overcurrent protection devices shall meet the ampere interrupting capacity (AIC) rating as stated in [TABLE 3B](#) and [TABLE 3C](#).

EXCEPTIONS:

1. *Overcurrent protection devices with current rating less than or equal to:*
 - 30 amps in 12 V systems
 - 15 amps in 24 V systems
 - 10 amps in 36 V systems
 - 7.5 amps in 48 V systems
2. *Solid state overcurrent protection devices.*

NOTE: AIC rating is not applicable to solid state devices.

11.10.1.8.3 *Panelboards* – a fuse or trip-free circuit breaker shall be installed for panelboards and shall not exceed 100% of the load capacity of that panelboard, or 100% of the current carrying capacity of the feeders.

EXCEPTION: a fuse or trip-free circuit breaker may be rated at up to 150% of the conductor ampacity if there is a sub main fuse or trip free circuit breaker in the panelboard that is rated at no more than 100% of the load capacity or the feeder ampacity, whichever is less.

11.10.1.8.4 *Power Distribution Assemblies* - a fuse or trip-free circuit breaker shall be installed for power distribution assembly and shall not exceed 100% of the load capacity of that power distribution assembly or 100% of the current carrying capacity of the feeders.

EXCEPTION: If multiple power distribution assemblies are protected by a single fuse or trip free circuit breaker its current rating shall not exceed load capacity of the lowest load capacity power distribution assembly or 100% of the current carrying capacity of the feeders.

11.10.1.11.1 Solid state overcurrent protection devices shall:

11.10.1.11.1.1 meet the requirements of UL 508 Part VIII – Industrial Control Equipment, Semiconductor Relays and Switches, Section 143 – Overload Test, and Section 144 – Endurance test.

11.10.1.11.1.1.1 Solid state overcurrent protection devices with programmable trip current settings shall be tested at the programmed values of 15%, 50% and 100% of its maximum setting.

Exception to 11.10.1.11.1.1: Circuits protected by a fuse or circuit breaker.



**BSR/ASHRAE Addendum s
to ANSI/ASHRAE Standard 62.2-2022**

Public Review Draft

**Proposed Addendum s to
Standard 62.2-2022, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (November 2024)
(Draft shows Proposed Changes to Current Standard)**

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

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.

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BSR/ASHRAE Addendum s to ANSI/ASHRAE Standard 62.2-2022, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

Proposed Addendum s adds an informative appendix on how to implement infectious risk management to reduce the risk of disease transmission due to infectious aerosols in dwelling units. As an informative appendix, this addendum is optional, meaning that compliance with the standard does not require compliance with the appendix. But the addendum is written in enforceable language so that it can be adopted by an authority having jurisdiction, if one chooses. The appendix is based on ASHRAE Standard 241, Control of Infectious Aerosols.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (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 s to 62.2-2022

Add the following new definition to Section 3.1.

3.1 Terms

equivalent clean airflow: the theoretical flow rate of pathogen-free air that, if distributed uniformly within the breathing zone, would have the same effect on infectious aerosol concentration as the sum of actual outdoor airflow, filtered airflow, and inactivation of infectious aerosols.

Add a new Informative Appendix X as shown below.

(This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

INFORMATIVE APPENDIX X **CONTROL OF INFECTIOUS AEROSOLS**

X1 Overview

This appendix provides prescriptive requirements for infectious risk management mode (IRMM) to reduce risk of long-range disease transmission due to infectious aerosols in dwelling units.

X2 Dwelling Unit Ventilation Rate During Infection Risk Management Mode

Dwelling units shall comply with ASHRAE Standard 241 or Section X.2.1.

X2.1 The ventilation rate (Q_{tot}) required in the dwelling unit to mitigate long-range transmission risk during

BSR/ASHRAE Addendum s to ANSI/ASHRAE Standard 62.2-2022, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

infection risk management mode shall be no less than the greater of Q_{tot} as determined in Section 4.1.1 and $Q_{tot,IRMM}$ as determined in accordance with Equation X-1. Infiltration credit per Section 4.1.2 shall not be taken.

$$Q_{tot,IRMM} = ECA_i \times P_{DU,IRMM} - \sum V_{ACS} \quad (X-1)$$

where

$Q_{tot,IRMM}$ = minimum total required ventilation rate during all occupied hours in IRMM, cfm (L/s)

ECA_i = required equivalent clean airflow per person for infection risk mitigation, 30 cfm (15 L/s) per person;

$P_{DU,IRMM}$ = number of people in the dwelling unit in IRMM. $P_{DU,IRMM}$ shall be no less than the number of occupants per Section 4.1.3.

V_{ACS} = infectious air cleaning system equivalent clean airflow rate, determined per Section 7 of ASHRAE Standard 241, cfm (L/s)

X3 Additional Requirements

X3.1 General Requirements

X3.1.1 All toilets shall be provided with lids. The Building Readiness Plan (BRP) shall indicate that lids are to be closed when flushing.

X3.1.2 All plumbing traps shall be filled with water.

X3.1.3 Fans used to meet the requirements of this appendix that are connected to ductwork exceeding 3 ft (1 m) shall have their flows measured in accordance with either Section 4.3 or 5.4.

X3.2 Building Readiness Plan (BRP). A BRP shall be created to describe the engineering and non-engineering controls and their operation that will be used to achieve its total required ventilation rate ($Q_{tot,IRMM}$) during IRMM. The BRP shall be included in a section of the operations and maintenance plan required by Section 8 of Standard 62.2. The BRP shall require that local exhaust ventilation be operated in bathrooms and toilets when in use.

X3.3 Multifamily Dwellings. Existing buildings with forced-air HVAC systems supplying air that is returned through ductwork from more than one dwelling unit shall have at least MERV13A filtration or ePM1 of 50 % per Table 7-1 of Standard 241 filtration or equivalent. Otherwise the HVAC systems shall be blocked off and portable HVAC and air filtration/air cleaning units shall be provided.

X4 Separation Areas

When a dwelling unit has infected or vulnerable occupants, a separate fully-enclosed space shall be used as a separation area. It shall be permitted to have a single space comply non-simultaneously with both Section X4.1 and X4.2 provided operation and any reconfiguration is described in the BRP. The BRP shall specify what protections caregivers shall take when entering a separation area. Where the separation area does not have restroom facilities, the BRP shall document how occupants of that area will access restroom facilities outside the area while minimizing infection risk.

X4.1 Separation Area for Infected Occupants. The separation area for infected occupants shall meet either X4.1.1 or X4.1.2.

X4.1.1 The separation area shall be air sealed from the rest of the dwelling unit. Unsealed transfer grilles or jump ducts shall have a damper that operates during IRMM to prevent flow from the separation space to other parts of

BSR/ASHRAE Addendum s to ANSI/ASHRAE Standard 62.2-2022, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

the dwelling unit. An exhaust ventilation system capable of a minimum of 140 cfm, shall be operated to exhaust the separation area to outdoors. A fan installed in a window or other opening shall be permitted. Any supply registers and return grilles in the room that are part of the dwelling's central conditioning systems shall be sealed, with temporary space conditioning provided as needed.

X4.1.2 The separation area shall contain an exhaust ventilation system that can maintain a measured negative pressure of 5 Pa with respect to the rest of the dwelling unit.

X4.2 Separation Area for Vulnerable Occupants. The separation area for vulnerable occupants, as determined in accordance with the Authority Having Jurisdiction, shall meet either X4.2.1 or X4.2.2. Air that is mechanically recirculated from other parts of the dwelling unit into the separation area, such as via supply registers, shall meet the requirements of X3.3.

Exception to X4.2: No separation area for vulnerable occupants is required when the dwelling unit *equivalent clean airflow* meets or exceeds required V_{ECA_i} per Equation x1-1 using ECA_i of 70 cfm (35 L/s) per person. For attached dwelling units, any ventilation greater than Q_{tot} from Section 4.1.1 shall not be provided by exhaust ventilation.

X4.2.1 The separation area shall be air sealed from other parts of the dwelling unit. Unsealed transfer grilles or jump ducts shall have a damper that operates during IRMM to prevent flow to the separation space from other parts of the dwelling unit. A supply ventilation system capable of a minimum of 140 cfm shall be operated to supply equivalent clean air to the separation area. A fan installed in a window or other opening shall be permitted.

X4.2.2 The separation area shall contain a supply system that can maintain a measured positive pressure of 5 Pa with respect to other parts of the dwelling unit is required.

X5. References

X5.1 ASHRAE Standard 241-2023, *Control of Infectious Aerosols*.



**BSR/ASHRAE/IES Addendum br
to ANSI/ASHRAE/IES Standard 90.1-2022**

Public Review Draft

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

**First Public Review (December 2024)
(Draft Shows Proposed Changes to Current Standard)**

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

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FOREWORD

This addendum provides an optional method to comply with the graphical display of the monitoring requirement.

No cost effectiveness analysis was conducted because the addendum only provides an optional method to comply with the requirement.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 br to 90.1-2022

8.4.3 Electrical Energy Monitoring

8.4.3.1 Monitoring. Measurement devices shall be installed in new *buildings* to monitor the electrical *energy* use for each of the following separately:

- a. Total electrical *energy*
- b. *HVAC systems*
- c. Interior lighting
- d. Exterior lighting
- e. Receptacle circuits
- f. Refrigeration *systems*

For *buildings* with tenants, these *systems* shall be separately monitored for the total *building* and (excluding shared *systems*) for each individual tenant.

Exception to 8.4.3.1: Where the design load of any of the categories (b) through (f) are less than 10% of the whole-building load, these categories shall be allowed to be combined with other categories.

8.4.3.2 Recording and Reporting. The electrical *energy* use for all loads specified in Section 8.4.3.1 shall be recorded a minimum of every 15 minutes and reported at least hourly, daily, monthly, and annually. The data for each tenant *space* shall be made available to that tenant. 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 and graphically displayed. The *system* shall be capable of maintaining all data collected for a minimum of 36 months.

Exceptions to 8.4.3.1 and 8.4.3.2:

1. *Building* less than 25,000 ft².
2. Individual tenant *spaces* less than 10,000 ft².
3. *Dwelling units*.
4. *Residential buildings* with less than 10,000 ft² of common area.
5. Critical *equipment* and life-safety branches of NFPA 70, Article 517.

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **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 Recreational Water Facilities –

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

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-
-

15 Ultraviolet (UV) light process equipment

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15.8 Disinfection efficacy

Per Section 15.12, residential and supplemental (for all pools and spas) disinfection efficacy testing shall be performed after the system and lamp have accumulated 3,000 h of operation.

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15.8.3 Ultraviolet light process equipment designed for secondary disinfection shall demonstrate a 3 log (99.9%) or greater inactivation of *C. parvum* when tested and evaluated according to Section [15.18](#). Equipment complying with secondary disinfection requirements ~~and~~ is exempt from supplemental disinfection testing as required under Section [N-8.1](#) if after the unit has completed life testing under Section 15.12, ~~testing if during secondary validation the lamp intensity (per Section [15.5](#))~~ the observed lamp intensity is greater than or equal to the lamp intensity validated for secondary disinfection. ~~after the unit has completed life testing.~~ The lamp intensity shall be observed under the conditions required for supplemental disinfection testing under 15.18.2 (94% UVT and full lamp power). Section [N-8.1](#) shall be required if the ~~ese~~ intensity is less.

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BSR/UL 858, Standard for Safety for Household Electric Ranges

1. GFCI Interoperability Test

PROPOSAL

54A GFCI Interoperability Test

54A.1 A sample of the appliance is tested to the UL 101 GFCI Interoperability Test requirements. The appliance shall be operated under the set of conditions defined in Section 59, Temperature Test.

2. 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 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 SA3.9.

SA3.9.2 The Class B firmware or software intended to be updated, shall comply with the 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, the Note of Clause H.9.12.4.2.3.1 in UL 60730-1, 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.9.12.4.5.3.

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 with UL 60730-1 is checked during hardware and software functional safety control certification review 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.

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