ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 W43RD STREET NY, NY 10036

VOL. 56, NO. 17 APRIL 25, 2025

CONTENTS

ISSN 0038-9633

Project Initiation Notification System (PINS)

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 192-202x, Best Practice Recommendation for Peer Review of Medicolegal Death Investigation Reports (new standard)
Stakeholders: MDI, forensic pathologists, coroners, medical examiners, professional MDI and forensic organizations, law enforcement and judicial systems (criminal and civil)

Project Need: Currently, there is a lack of consistency among MDI practitioners. This document provides recommendations to benefit the quality of work and promote consistency among MDI practitioners. By identifying sources of error and proposing solutions, this document aids in addressing error and bias.

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

This document provides recommendations for peer review of medicolegal death investigation reports and findings. Recommendations for the scope and documentation of peer reviews, and internal/external review options are provided.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 230-202x, Best Practice Recommendation for the Resolution of Conflicts in Toolmark Value Determinations and Source Conclusions (new standard)
Stakeholders: Firearm and Tool Mark Examiners and Technicians; Forensic Service Providers that provide firearm and tool mark examination services; Judicial System; Law Enforcement Investigators and General Public.

Project Need: The potential for differing value determinations or source conclusions is possible given that toolmark comparisons require human judgement and interpretation. This document has been developed with the objective of providing best practice recommendations for resolving conflicts with toolmark value determinations or source conclusions that arise during the Forensic Science Service Provider's (FSSP's) quality assurance process.

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

This document provides best practice recommendations for resolving conflicts with toolmark value determinations or source conclusions that may arise between examiners and verifiers at any point during the verification process. This document also provides recommendations for, and examples of, conflicting value determinations, conflicting source conclusions, and documentation and reporting of conflicts and their resolutions.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB G 236-202x, Guideline for Conducting Test Method Development, Validation, and Verification in Forensic Toxicology (new standard)
Stakeholders: The forensic toxicology community is the primary stakeholder, but the laboratory customers (e.g., medical examiners, law enforcement, attorneys, and judges) benefit from the products generated by this document.

Project Need: With the revision to ANSI/ASB Standard 036, this guideline document is intended to place the examples within a standalone document to keep the two documents within manageable lengths. It is intended to show the user how Standard 036 is to be implemented.

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

This document provides guidelines and examples for developing, validating, and verifying test methods in conformance with ANSI/ASB Standard 036, Standard for Test Method Selection, Development, Validation, and Verification in Forensic Toxicology.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 223-202x, Standard for Care During Medical Forensic Examinations (new standard)
Stakeholders: Licensed health care providers/professionals who perform medical forensic examinations; legal community.

Project Need: The purpose of a medical forensic examination is to address patients' healthcare needs and collect items that might have evidentiary value when appropriate for potential use within the justice system. At this time, there are no published ANSI standards for patient care during medical forensic examinations.

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

This document provides the minimum requirements for the medical forensic examination and care of living patients by licensed health care providers/professionals following suspected or disclosed violence. This standard sets the foundation for medical forensic services that assures care is patient-centered and trauma-informed while preserving the integrity of items that might have evidentiary value.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 229-202x, Standard for the Examination and Comparison of Toolmarks for Source Attribution (new standard)
Stakeholders: Firearm and Tool Mark Examiners and Technicians; Forensic Service Providers that provide firearm and tool mark examination services; Judicial System; Law Enforcement Investigators and General Public.

Project Need: No standard currently exists providing minimum requirements for the examination and comparison of toolmarks for source attribution.

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

This document provides the minimum requirements for the microscopic evaluation, classification, and comparison of toolmarks for source attribution. The document also defines the minimum requirements for supporting documentation.

ANS (American Nuclear Society)

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

New Standard

BSR/ANS 31.1-202x, Standard for Testing and Facilities for Space Nuclear Power and Propulsion Reactors (new standard)

Stakeholders: The most relevant stakeholders in this area are expected to be:
- Existing government sponsors of space reactor development (e.g., DOE, DoD, NASA);
- Agencies that may have a regulatory role earlier in the mission execution (e.g., NRC, FAA, Commerce, FCC);
- Agencies that may have equities in the event of a mishap that affects Earth;
- Biosphere (e.g., DoS, EPA, DHS);
- US industry (e.g., those entities currently developing space reactor designs under government sponsorship, those that are developing space reactor designs for their own applications, or other);
- Academia (e.g., those entities that work in the space nuclear reactor research and development arena); and
- Non-Governmental Organizations.

Project Need: At present, there are no known standard development efforts in this area. Historically, only government-sponsored missions have sought to use space reactors, and each program has developed its own practice for the testing and validation of space reactors and their facilities. Currently there are no accepted standards or guidelines for testing of space reactors, meaning that government sponsors or commercial entities have no consistent methodology or measures of effectiveness related to the testing of space reactor systems and components. This presents a challenge both to government sponsors and to entities that may need to represent the government's interests in future commercial activities. Existing terrestrial standards provide...

Interest Categories: Individual, Vendor, University, Government Agency, National Laboratories/ Government Facilities, Owner

This standard provides criteria for the testing of nuclear reactors to be utilized for in-space related applications such as the production of electrical power for use on space platforms, on the surface of the moon or other solar system bodies and for the propulsion of space platforms and vehicles. This standard provides criteria to be used by the developers, analyzers, and evaluators of space reactors when considering the ground and in-space testing of space reactors and their associated equipment, as well as the facilities in which such testing is conducted. This standard is intended to be design, mission, sponsor, location, and facility agnostic.

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

Carl Jordan <cjordan@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

Revision

BSR/ASHRAE 219-202x, Method of Testing the Ability of Liquid Line Filter Driers or Adsorbents to Remove Organic Acid (revision of ANSI/ASHRAE Standard 219-2021)

Stakeholders: Equipment Manufacturers, Chemical Producers, Laboratories, Component Manufacturers

Project Need: References need correction and some permissive language should be corrected along with the appendix.

Interest Categories: Producers, Users, and General Interest

This standard establishes a suitable laboratory apparatus and test method for determining the ability of various adsorbents and refrigerant liquid line filter driers to remove specific organic acids from refrigerant-lubricant mixtures

AWS (American Welding Society)

Jennifer Rosario <jrosario@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

Revision

BSR/AWS D1.1/D1.1M-202x, Structural Welding Code—Steel (revision of ANSI/AWS D1.1/D1.1M-2025)
Stakeholders: Structural steel fabricators, welding equipment manufacturers, welding filler metal manufacturers, welding consultants, structural steel engineering firms, structural steel inspectors and firms, and testing agencies.

Project Need: Industry needs a standard for weld design, weld fabrication, weld inspection, and weld quality control of welded steel structures.

Interest Categories: Producers, Users, General Interest, and Educators

This code covers the welding requirements for any type of welded structure made from the commonly used carbon and low-alloy constructional steels. Clauses 1 through 11 constitute a body of rules for the regulation of welding in steel construction. There are eight normative and eleven informative annexes in this code. A Commentary of the code is included with the document.

HPS (ASC N13) (Health Physics Society)

Amy Wride-Graney <awride-graney@burkinc.com> | 950 Herndon Parkway, Suite 450 | Herndon, VA 20170 www.hps.org

New Standard

BSR HPS N13.12-202x, Surface and Volume Radioactivity Standards for Clearance (new standard)
Stakeholders: The nuclear industry and federal and state regulators.

Project Need: To provide consensus guidance for protecting the public and the environment for the clearance of items and materials by harmonizing the 2011 version of this standard with current IAEA recommendations.

Interest Categories: Government or Regulatory Agency Professional Society Trade Association or Labor Union Technical Expert

During the 2024 reaffirmation of this standard, the review record provided several comments on the standard and noted that the International Atomic Energy Agency (IAEA) recommendations have been revised as IAEA-GSG-17 (on Exemption) and IAEA-GSG-18 (on Clearance). In response, a new writing group was formed to respond to the reaffirmation concerns and specifically harmonize the standard with updated IAEA clearance guidance.

HPS (ASC N13) (Health Physics Society)

Amy Wride-Graney <awride-graney@burkinc.com> | 950 Herndon Parkway, Suite 450 | Herndon, VA 20170 www.hps.org

Revision

BSR HPS N13.14-202x, Bioassay Program for Tritium (revision of ANSI N13.14-2018)
Stakeholders: Tritium producers in the U.S. Government, Canadian Government, and Industry

Project Need: The standard requires revision to address the use of different models by different regulatory bodies, changes in N13.39 that will affect this standard, and some technical issues including proper intake retention fractions for tritium gas and metal trities.

Interest Categories: Government or Regulatory Agency Professional Society Trade Association or Labor Union Technical Expert

The existing standard describes development and implementation of radiobiossay programs for H-3. This includes types of monitoring, collection, and measurement of samples, interpretation of results, and use of models to calculate intakes and doses.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LS-4-202x, Lighting Science: Measurement of Light - The Science of Photometry (revision of ANSI/IES LS-4-20 (R2023))
Stakeholders: Lighting practitioners, manufacturers, contractors, building owners/managers, code officials and organizations, the general public.

Project Need: Update standard to revise photometric center.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM) Test Equip User (TEU), Test Equip Manf (TEM).

Photometry is the measurement of radiation accounting for human visual response. This document describes the various types of photometry and photometric instrumentation, including laboratory and field equipment and measurement types, and instructions for some types of field measurements.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-20-202x, Approved Method: Photometry of Reflector Type Lamps (revision of ANSI/IES LM-20-20)
Stakeholders: Lighting practitioners, testing labs, luminaire manufacturers.

Project Need: Update standard to revise photometric center.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Photometric testing procedures and reporting guidelines for reflector-type lamps and LED-based lamps that mimic this traditional style of lamp. The application of the described procedures and guidelines will improve reproducibility within a laboratory, and will improve measurement agreement and facilitate comparison of results between laboratories.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-28-202x, Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (revision of ANSI/IES LM-28-20)
Stakeholders: Lighting practitioners, testing labs, luminaire manufacturers.

Project Need: Update guidance for electrical requirements in LM-79; Impedance in system; LM-90 concerns; current measurements (shunt measurements); capacitance issues; switching vs. linear power supplies; Power supply crest factors.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Terms used to define instrument capabilities for electrical quantities, angular positioning, optical radiation detectors, airflow, and temperature; as well as what should be observed when selecting, maintaining, and using measuring instruments in the photometric laboratory all while maintaining appropriate levels of uncertainty.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-37-202x, Approved Method: IES Guide for Determination of Average Luminance (Calculated) for Indoor Luminaires (revision of ANSI/IES LM-37-20)
Stakeholders: Lighting practitioners, testing lab personnel, luminaire manufacturers.

Project Need: The methods of calculating average luminance contained in this Guide cover various open bottom apertures as well as flat- and drop-lensed units including units with multiple openings in the light-emitting area. The candela values of interest are obtained by means of IES techniques for relative or absolute photometry, and are not obtained from field measurements in application.
NOTE: Average luminaire luminance is not a reliable indicator of either direct or reflected glare due to potential luminance non-uniformity.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Calculate average luminance for all commercially available sources, and IES-approved techniques for relative and absolute photometry.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-45-202x, Approved Method: Electrical and Photometric Measurements of General Service Incandescent Filament Lamps (revision of ANSI/IES LM-45-2020 (R2023))
Stakeholders: Lighting practitioners, testing labs, luminaire manufacturers.

Project Need: Update standard to revise photometric center.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Procedures necessary to obtain uniform and reproducible measurements of the electrical and photometric characteristics of general-service incandescent filament lamps under standard conditions.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-54-202x, Approved Method: Guide to Lamp Seasoning (revision of ANSI/IES LM-54-20)
Stakeholders: Lighting practitioners, electrical engineers, luminaire/control manufacturers, luminaire testing laboratories.

Project Need: Revise the Main Body of LM-54 to include recommendations for the seasoning of UV sources including low-pressure mercury (LPM) and KrCl excimer technologies, consider whether LED and/or Xenon technologies should be addressed in the document as well. The text will be updated to include references to radiometric measurements where appropriate. Additionally, appropriate statements cautioning lab workers about safety when working around strong UV energy will be added.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

This document will provide clear recommendations and requirements on procedures for seasoning of lamps to attain a state of sufficient stability for reproducible measurement of initial photometric, colorimetric, and/or electrical characteristics.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-72-202x, Approved Method: Directional Positioning of Photometric Data (revision of ANSI/IES LM-72-20)
Stakeholders: Lighting practitioners, test labs, luminaire manufacturers

Project Need: Review the standard in parallel with BSR/IES LM-75 changes and revise as needed for harmonization.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Intended for use by both the providers and users of lighting software, this standard outlines, unambiguously and consistently, and specifies how photometric data is to be “rotated” before it is used. This document assigns specific, standard meaning to certain words.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-75-202x, Guide to Goniometer Measurements and Types, and Photometric Coordinate Systems (revision of ANSI/IES LM-75-19)
Stakeholders: Luminaire manufacturers, testing labs, entertainment organizations and equipment manufacturers, lighting practitioners

Project Need: (1) Correct errors in equations for summation in Section 8.1;
(2) Revise/add definitions of terms related to “photometric center”:
- “photometric center” and “radiometric center”;
- “reference center”, “goniometric center”, “design center”;
- “measurement distance”;
(3) Reconcile instances of “photometric center” in the main text with the new definitions;
(4) Correct references to “polar angle” (Should be “apolar angle”);
(5) Expand the scope statement to acknowledge applicability to measurements in the UV and NIR.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

IES-approved definitions of spherical coordinate systems and goniophotometer types used to measure light sources. The operating principles behind each type of goniophotometer are addressed, and a general guideto goniophotometer calibration, stray light elimination,and stray light correction is presented.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-77-202x, Approved Method: Luminous Intensity Distribution Measurement of Luminaires and Lamps Using Screen Imaging Photometry (revision of ANSI/IES LM-77-20)
Stakeholders: Luminaire manufacturers, testing labs, entertainment organizations and equipment manufacturers, lighting practitioners

Project Need: This IES Approved Method addresses the use of digital cameras incorporating a CCD (charge-coupled device) or CMOS (complementary metal oxide semiconductor) array for luminous intensity distribution measurement of luminaires and lamps with a screen. However, it should be noted that other types of imaging sensors could be acceptable for photometry. Requirements for camera and the special conditions for this form of light measurement are covered. The numerous factors to be taken into account for camera selection and software development are described. Calibration requirements are specified, as are data reduction techniques.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Measurement procedures for the determination of the luminous intensity distribution of certain lamps and luminaires, using a digital camera to capture the projected light distribution from a luminaire onto a screen.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-80-202x, Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources (revision of ANSI/IES LM-80-21)
Stakeholders: Luminaire manufacturers, testing laboratories, end users .

Project Need: Review and modify LM-80 as required to reference TM-41, Standard Format for the Electronic Data Transfer of Light Output Maintenance Characteristics of Solid-State Light Sources, as a data reporting format for LM -80 data. This will entail modifying Section 2.2, Normative References, to replace the reference to TM-27-20 with a reference to TM-41. Likewise, the reference in Section 6.4.5 will need to be updated. Finally, Section 9, Test Report, will require modification. The working group will need to decide if TM-41 data is required for LM-80 practitioners or if it is optional.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

This Approved Method provides the methods for measurement of flux maintenance, including luminous, radiant, and photon flux. It also provides methods for measurement of spectrum-dependent characteristic maintenance, including changes in chromaticity coordinates, peak wavelength, dominant wavelength, or centroid wavelength versus time. The maintenance characteristics are measured under controlled conditions that may allow direct comparison of results obtained at different laboratories.

IES (Illuminating Engineering Society)

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

Reaffirmation

BSR/IES LM-84-20 (R202x), Approved Method: Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires (reaffirmation of ANSI/IES LM-84-20)
Stakeholders: Accreditation bodies, manufacturers, specifiers, laboratories, governmental agencies, efficiency programs.

Project Need: Remove Annex A and reference LM-98.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

IES-approved method for measuring the luminous, radiant, and/or photon flux, as well as chromaticity and other spectral properties over time. This method applies to LED lamps, LED light engines, LED luminaires, OLED light engines, and OLED luminaires.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES TM-21-202x, Technical Memorandum: Projecting Long Term Lumen, Photon, and Radiant Flux Maintenance of LED Light Sources (revision of ANSI/IES TM-21-21)
Stakeholders: Lighting practitioners, luminaire manufacturers, LED light source manufacturers, light laboratories, energy efficiency organizations.

Project Need: Formally address uncertainty of projection parameters. This will include variation in measurements of different DUTs at the same time interval as well as the uncertainty of the calculated values of a and B. Review projection model, including specifically the “minimum alpha rule” - given the improved flux maintenance over time, consider alternative projection model. Review extrapolation limits and consider agreement between model and data to determine allowable extrapolation limit.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

IES-approved recommendations for projecting flux maintenance of LED light sources using data obtained when testing them per ANSI/IES LM-80

IES (Illuminating Engineering Society)

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

Revision

BSR/IES TM-28-202x, Technical Memorandum: Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires (revision of ANSI/IES TM-28-20)
Stakeholders: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighitng specifiers.

Project Need: Review draft overall in relation to updates to BSR/IES TM-21.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Sampling, test intervals and duration, and a method for long-term luminous flux maintenance projection for LED lamps and luminaires. The intent is to help product manufacturers and users, standards-developing bodies, and other organizations to avoid any unnecessary burdens related to excessive product testing.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES/IUVA LM-92-202x, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (revision of ANSI/IES/IUVA LM-92-22)
Stakeholders: All including the General Public, lighting test labs.

Project Need: Mean Current Correction, add equations and clear steps to calculate results. Voltage Measurement - some comments received about clarity of voltage measurement section. Check Annex B should be updated to bring in some of the content in LM-85. Add a reference to the NIST paper on MDCP. Discuss shunt accuracy for M-DCP, poor shunt accuracy may make measurement worse.

Interest Categories: Specifier (US), Affected (UA), Public Interest (UP), Academic, Research (GAR), Government, Regulatory (GGR), General SME (GSME), Organizational (OM), Testing Equipment Users (TEU), Testing Equipment Manufacturers (TEM).

Procedures to be followed and precautions to be observed in performing measurements of total radiant flux (total radiant power), electrical power, and wavelength characteristics of ultraviolet (UV) light-emitting diodes (LEDs). This document covers measurement of UV LEDs in the wavelength range of 200 nm to 400 nm under continuous-pulse operation.

MHI (Material Handling Industry)

Patrick Davison <pdavison@mhi.org> | 8720 Red Oak Boulevard, Suite 201 | Charlotte, NC 28217 www.mhi.org

Revision

BSR/MH29.1-202x, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2020)
Stakeholders: Manufacturing, material handling, automotive, warehousing.

Project Need: The standard is undergoing revision and updating in accordance with ANSI's Essential Requirements.

Interest Categories: User, Manufacturer, Distributor/Integrator, General Interest

This standard applies to industrial scissors lifts that are raised and lowered by means of hydraulic, pneumatic, or mechanical actuation. These industrial scissors lifts are intended for commercial applications on firm and level surfaces and may be either stationary or mobile and used to position, feed, transfer, load, or unload materials or personnel. Industrial scissors lifts are available in a range of capacities, sizes, and travels and include dock lifts, work access lifts and lift tables. This standard does not apply to aerial or work platforms, elevators, vertical reciprocating conveyors, automotive vehicle service lifts, vehicle transport lifts, performing art lifts, or similar equipment.

MHI (Material Handling Industry)

Patrick Davison <pdavison@mhi.org> | 8720 Red Oak Boulevard, Suite 201 | Charlotte, NC 28217 www.mhi.org

Revision

BSR/MH29.2-202x, Safety Requirements for Industrial Tilters (revision of ANSI MH29.2-2020)
Stakeholders: Manufacturing, material handling, automotive, warehousing.

Project Need: The standard is undergoing revision and updating in accordance with ANSI's Essential Requirements.

Interest Categories: User, Manufacturer, Distributor/Integrator, General Interest

This standard applies to industrial tilters that are rotated about a horizontal axis by means of hydraulic, pneumatic, mechanical, or electro/mechanical actuation. Industrial tilters can be stationary or movable and are generally used to position, feed, transfer, load, or unload materials only. This standard does not apply to dumpers or upenders whose angular travel exceeds 110 degrees, invertors or rotators, refuse dumpers, self-dumping hoppers, or truck-mounted dump bodies.

MSS (Manufacturers Standardization Society)

Stefania Adjei <standards@msshq.org> | 441 N. Lee Street | Alexandria, VA 22314 www.mss-hq.org

Revision

BSR/MSS SP-134-202x, Valves for Cryogenic Service, including Requirements for Body/Bonnet Extensions (revision of ANSI/MSS SP-134-2012)
Stakeholders: Paper, Chemical, Petroleum Production and Transport, Petro-chemical, Nuclear Power, Hydroelectric Power, Fossil Fuel Power and others that involve requirements for cryogenic valves.

Project Need: This Standard Practice includes additional construction detail requirements specifically related to valves, including body/bonnet extensions essential for cryogenic applications.

Interest Categories: Paper, Chemical, Petroleum Production and Transport, Petro-chemical, Nuclear Power, Hydroelectric Power, Fossil Fuel Power and others that involve requirements for cryogenic valves.

This Standard Practice covers additional requirements for material, design, dimensions, fabrication, non-destructive examination, and pressure testing of metallic valves intended for service at cryogenic temperatures. Unplanned non-cryogenic events, such as auto-refrigeration during gas blow-down events where low temperatures may result, are outside the scope of this document. This Standard Practice applies to cryogenic gate, globe, butterfly, ball, and check valves, and may be used in conjunction with other valve-specific standards

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-055.1-202x, NENA Standard for Medical Condition Types (new standard)
Stakeholders: Public Safety Answering Point, Emergency Medical Responders, 9-1-1 Products and Services Industry Partners

Project Need: Standardize Medical Condition Types for NG9-1-1.

Interest Categories: Users, Producers, General Interest

The Working Group is to determine the appropriate medical condition types, their descriptions, and related guidance regarding their use in NG9-1-1.

NSF (NSF International)

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

New Standard

BSR/NSF 564-202x, Standard for Homeopathic Products (new standard)
Stakeholders: Product and ingredient manufacturers, brand owners, consumers, homeopathic practitioners, re-packagers, retailers, industry associations, consumer organizations, regulators, certification bodies and testing laboratories.

Project Need: Establish a national standard for ensuring the safe production and consistent evaluation of homeopathic products. This initiative would support standardization and coordination of manufacturer and brand owner requirements.

Interest Categories: Public Health/Regulatory User Industry

This Standard is intended to define a standardized approach for evaluating single-ingredient and combination formulation homeopathic products; including product safety, quality, labeling, and manufacturing process.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 38-3 202x, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2017 (R2022))
Stakeholders: Cable telecomunications industry

Project Need: Update current technology

Interest Categories: Producer, User, General Interest

This document defines common information about NEs. This includes administrative information such as name, ID, model number, serial numbers vendor, and location; health indicators such as status and service state; and functional information such as power level and frequency range.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 81 202x, Surge Withstand Test Procedure (revision of ANSI/SCTE 81-2018)
Stakeholders: Cable telecommunications industry

Project Need: Update current technology

Interest Categories: Producer, user, general interest

This document describes a procedure for subjecting a broadband device to surge conditions as specified in IEEE C62.45. Ports shall be tested in compliance with IEEE C62.45 Category B Combination Waveform or IEEE C62.45 Category A Ring Waveform as specified for the Device Under Test.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 101 202x, Hard Line Splice Connector Return Loss (revision of ANSI/SCTE 101-2019)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

This document describes a procedure to measure the Return Loss characteristics of a single Hard Line Splice Connector interfaced between two (2) Hard Line cables that meet the requirements of ANSI/SCTE 15, Specification for Trunk, Feeder and Distribution Coaxial Cable. It implements the time domain-gating features of the network analyzers, which removes the interfaces, and far-end termination from the DUT (device under test) measurement. This test method allows for testing up to 3 GHz. All requirements of this document are measured after installation per manufacturer's instructions of the cable into the connector.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 108 202x, Test Method for Dielectric Strength Withstand of Coaxial Cable (revision of ANSI/SCTE 108-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

The purpose of this document is to provide a test standard for detecting flaws in the insulation (sometimes referred to as the dielectric) of a completed coaxial cable. This test, usually referred to as a Hipot or Dielectric Withstand Test, verifies that the insulation can withstand a specified voltage applied between the center conductor and outer conductor for a specified time interval, without resulting in a dielectric breakdown. Upon successful completion of this Hipot test, it can be concluded that the inner and outer conductors are properly insulated from each other. Under normal operating conditions there will be a small amount of leakage current within the dielectric of any product (in this case, the insulation between the center and outer conductors of a coaxial cable). However, if two conductors are not properly insulated from each other, the application of high voltage can cause dielectric breakdown. Dielectric breakdown results in excessive current flow that is substantially larger than the nominal leakage current for the dielectric material being tested. Traditionally, either an AC or DC voltage may be used for the test. The DC voltage used should be the peak of the equivalent AC (RMS) voltage, or 1.414 times the AC (RMS) voltage.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 126 202x, Test Method for Distortion of 2-way Amplifier Caused by Insufficient Isolation of Built in Diplex Filter (revision of ANSI/SCTE 126-2019)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: User, Producer, General Interest

This test procedure applies as a method to measure distortion created in a 2-way amplifier caused by an upstream signal. The purpose of this document is to establish the standard methodology to measure an amplifier's distortion caused by an upstream signal leaking through the diplex filter that is built inside of the amplifier of a Cable Telecommunications System.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 176 202x, Specification for 75 ohm MCX Connector, Male & Female Interface (revision of ANSI/SCTE 176 -2019)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: User, Producer, General Interest

This document outlines the mechanical, electrical and environmental requirements for the 75-ohm MCX connector interface. The purpose of this document is to specify requirements for the male/female interface of a 75-ohm, 3-GHz rated connector series generically known as MCX. This is an indoor connector with applications in controlled environment headends and hubsites. All requirements of this document are measured after installation per manufacturer's instructions of the cable into the connector. This document will address only the interface, not the connector body or the cable requirements. Mechanical, electrical, and environmental performance is defined to ensure a reliable connection for permanent installations, as well as temporary adapters and calibration standards.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 210 202x, Energy and Density Benchmark Measurement (revision of ANSI/SCTE 210-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

This standard enables a cable operator to determine how well a piece of rack or shelf equipment performs in terms of minimizing the power required to do a particular job. It provides the means to quantify the amount of useful work the equipment provides per physical space. This standard focuses on the data-transport critical-facility equipment. These energy-efficiency and functional-density metrics apply to all indoor equipment used in critical spaces. These include the following data center, headend, and hub data transport equipment including:
- Server blades, storage devices, enterprise switching and routing , devices;
- Routing and switching equipment for interface to the IP backbone and nationwide network, such as metro and core routing equipment and network management equipment.
This standard does NOT apply to the following equipment classes: customer premise equipment; outside plant equipment; and building support devices such as generators, air conditioning units, and other items mentioned in SCTE 184.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 211 202x, Energy Metrics for Cable Operator Access Networks (revision of ANSI/SCTE 211-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

This document contains metrics for measuring the energy efficiency of access networks (ANs) that are utilized to transport information between a service provider and a plurality of users. For the purposes of this document, the AN includes all active and passive equipment between the headend or hub, referred herein as the “hub,” and the demarcation point at the user premises. This document does not include any equipment inside the hub, nor does it include any customer premises equipment (CPE). The metrics defined in this document are designed to capture the overall energy efficiency of the network and are not designed to evaluate the energy efficiency of individual components within the network. The metrics defined in this document may be calculated for the entire operator network as a whole or across individual segments of the network. Additionally, the metrics may be calculated over various time spans, ranging from hours to days or weeks. The period over which calculations are performed should be clearly noted along with the results.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 212 202x, Cable Operator Energy Audit Framework and Establishment of Energy Baseline (revision of ANSI/SCTE 212-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

SCTE 212 defines a framework for cable system operators to establish energy baselines for their facilities and networks. This document defines how cable operators should audit power consumption and accurately establish an energy baseline for inside and outside plant excluding any customer-powered equipment.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 213 202x, Energy Metrics for Cable Operator Edge and Core Facilities (revision of ANSI/SCTE 213-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

This document provides a metric to help operators measure how changes in the service impact energy consumption at the critical facility, from both a high-level and functional work perspective. The metric is designed to:
- Drive the energy strategy and direction of the organization;
- Provide a focus of energy for an operator;
- Help make decisions regarding energy ;
- Drive performance operationally, financially and environmentally;
- Measure energy change and within the organization;
- Produce good internal and external public relations regarding energy impact.

The scope of the energy metric standard includes edge and core network facilities servicing the customers. Excluded from this standard are labs and testing facilities, people space, parking lots, parking garages, warehouses, and customer premise equipment (CPE). Please refer to SCTE 211, Energy Metrics for Cable Operator Access Networks, for similar metrics for the access portion of the network.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 216 202x, Adaptive Power System Interface Specification (APSIS™) (revision of ANSI/SCTE 216-2021)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology

Interest Categories: Producers, Users, General Interest

This document is part of the work being done in SCTE's Standards Energy Management Subcommittee (EMS). The Adaptive Power System Interface Specification (APSIS) working group under the EMS is responsible for the creation and updates of this document. The document was developed for the benefit of the cable industry and includes contributions by cable operators, vendors, and industry support organizations. While the initial intent of this document is to support the cable industry, the process, methodology and results of this effort may be applicable to other telecommunications networks. The focus of this specification is to define interfaces within the domain of cable service delivery networks, including the cable 'plant', data centers, digital voice platforms, wireless platforms, and other communications and distribution electronics. The intent of this document is to identify the appropriate energy-related data necessary to measure and manage energy consumption and define protocols used for the data exchange. This specification is intended to enhance business continuity and disaster recovery by optimizing the performance, availability, and reliability of cable networks; optimize expenditure on energy; and improve the Mean Time Between Failures (MTBF); and extend the useful life of components and equipment.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

New Standard

BSR/SCTE NOS 216-202x, Information Model for Broadband Transponders (new standard)
Stakeholders: Cable Telecommunications Industry

Project Need: Create new ANS

Interest Categories: Producers, Users, General Interest

This standard defines an information model for communications with transponders used in broadband communications networks. The information model includes configuration and status information specific to the transponder functionality, distinct from the information about the associated broadband device(s) for which the transponder provides status monitoring and control. This release of the standard is applicable for, but not limited to, narrowband transponders in SCTE 279 amplifiers. Other types of transponders can follow this standard as well.

TIA (Telecommunications Industry Association)

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

Addenda

BSR/TIA 322-A-1-202x, Loading, Analysis, and Design Criteria Related to the Installation, Alteration and Maintenance of Communication Structures- Addendum 1 (addenda to ANSI/TIA 322-A-2023)
Stakeholders: Mobile network providers Tower Companies / Owners Telecommunication Contractors Telecommunication Consultants

Project Need: Update standard

Interest Categories: User, Producer and General Interest

Addendum is created to address minor edits within the text / tables / figures, as well as directly address the inclusion of personnel loads in the prescribed load combinations in Section 4.

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60079-19-202x, Standard for Safety for Equipment Repair, Overhaul and Reclamation (national adoption with modifications of IEC 60079-19)
Stakeholders: Industrial users with facilities having hazardous (classified) locations, Oil & Gas facilities, Petrochem facilities, Refineries, AHJs (Authorities having jurisdiction), Rotating machine repair shops, NRTLs, Certifiers.

Project Need: In the recent edition of the NEC (NFPA70) has included information and requirements for repair and refurbishment of electrical equipment to be installed in hazardous (classified) locations. This guidance is very generic and provides no details or requirements for the repair or refurbishment of Hazloc certified electrical equipment. These new additions to the NEC have generated the need for a new ANS to provide the needed guidance and requirements for repairing Hazloc certified, listed, approved, identified for use in Hazardous (Classified) Locations.

Interest Categories: Authorities Having Jurisdiction (AHJ), Commercial/Industrial User, General, Producer, Testing Laboratories, Standards development.

This part of IEC 60079:
- Gives instructions, principally of a technical nature, on the repair, overhaul, reclamation and modification of Ex equipment designed for use in explosive atmospheres;
- Applies to overhaul and repair which mitigates deficiencies identified during operation, inspection and maintenance;
- Does not give advice on cable and wiring systems which can require a renewal when the equipment is re-installed; and
- Is not applicable to Type of Protection “m”.

VITA (VMEbus International Trade Association (VITA))

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

Revision

BSR/VITA 65.0-202x, OpenVPX System Standard (revision of ANSI/VITA 65.0-2023)
Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: Add new profiles to ANSI/VITA 65

Interest Categories: General interest, producers, users

The OpenVPX System Standard was created to bring versatile system architectural solutions to the VPX market. Based on the extremely flexible VPX family of standards, the OpenVPX standard uses Plug-In Module mechanical, connectors, thermal, communications protocols, utility, and power definitions provided by specific VITA standards to define a series of Slot, Backplane, Module, and Standard Development Chassis Profiles. This revision adds additional communication protocols and Optical Profiles. There are also some clarifications made to the existing text. The associated standard (VITA 65.1) adds Connector Modules and Slot Profile dash options to support the new Optical Profiles as well as some other additions.

VITA (VMEbus International Trade Association (VITA))

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

Revision

BSR/VITA 65.1-202x, OpenVPX System Standard - Profile Tables (revision of ANSI/VITA 65.1-2023)
Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: Add new profiles to ANSI/VITA 65.1

Interest Categories: General interest, producers, users

This standard documents variations of Slot, Backplane, and Modules Profiles. As part of the Slot Profile Description, there are also some Connector Modules defined. This document is primarily tables which are referenced by VITA 65.0. This revision adds Connector Modules and Slot Profile dash options to support the new Optical Profiles as well as some other additions.

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: May 25, 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 170w-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)
Bronchoscopy procedures are performed in many locations depending on clinical need, which may mean that they are not performed under ventilation conditions currently specified in ASHRAE/ASHE 170. This proposed addendum adds the word "room" after Bronchoscopy in Tables 7-1 and 8-1, as well as in the text. The reference to bronchoscopy rooms was removed from footnote p for Tables 7-1 and 8-1. Sputum collection and pentamidine administration are currently included on the same line as bronchoscopy in Table 7-1. This proposed addendum removes "sputum collection and pentamidine administration" from tables and text and modifies Bronchoscopy Room notes to indicate that local exhaust be provided for sputum collection for patients with suspected or confirmed tuberculosis. Language has been added to indicate that the Exception to 6.3.2.2(a) for HEPA filtration applies to airborne infection control room types, not just All rooms.
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

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 a to ANSI/ASHRAE/IES Standard 90.2-2024-2024, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)
This addendum introduces energy monitoring requirements in dwelling units greater than 2300 square feet.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: May 25, 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 ci 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 updates the Building Performance Factors (BPFs) that are used for determining compliance with Appendix G to coordinate with changes that have been made to the prescriptive and mandatory requirements of the standard since the release of 90.1-2022.
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

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-66B-202x, EMI Shielding Effectiveness Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-66A-2000 (R2019))
This standard establishes test methods for the measurement of the EMI shielding effectiveness of electrical connectors over the frequency range of 1.0 GHz to 10.0 GHz using the mode-stirred technique. The procedure applies to both circular and rectangular connectors.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

FM (FM Approvals)

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

New Standard

BSR/FM 7730-202x, Explosion Venting Devices (new standard)
This standard contains requirements for devices used to protect vessels by venting internal pressure caused by deflagrations arising from the rapid burning of suspended dust in the protected volume. These devices are commonly referred to as explosion venting devices. The standard includes requirements for both standard and flameless explosion venting device product categories.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Josephine Mahnken <josephine.mahnken@fmapprovals.com>

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i201r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2024)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

Comment Deadline: May 25, 2025

RESNET (Residential Energy Services Network, Inc.)

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

New Standard

BSR/RESNET/ICC 1580-202x, Standard for Calculating CO2e Emissions Based on Metered Data, for Operational Ratings (new standard)
This standard will provide a consistent methodology for using long run marginal emission rates by Cambium generation and emission assessment (GEA) region in the calculation of CO2e emissions. The provisions of this standard provide requirements on how to estimate CO2e emissions from measured data on electricity and fuel consumption of a facility or organization. It is intended for the purposes of complying with standards on disclosure of emissions and of reducing emissions year after year using an Energy Management System.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rick Dixon, Standards Manager, RESNET, P.O. Box 4561, Oceanside, CA 92052

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 13-202X, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2022)
1. PLTC-ER Tag Marking Reference to the National Electrical Code (NEC)
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Linda.L.Phinney@ul.org, https://ulse.org/

Revision

BSR/UL 719-202X, Standard for Safety for Nonmetallic-Sheathed Cables (revision of ANSI/UL 719-2023)
Editorial Changes to UL 719, Revised 5.13.1.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 858-202x, Standard for Household Electric Ranges (revision of ANSI/UL 858-2023)
This proposal for UL 858 covers 1) GCFI Interoperability Test; and 2) OTA Requirements
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Ashley Seward: Ashley.Seward@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2250-202X, Standard for Safety for Instrumentation Tray Cable (revision of ANSI/UL 2250-2022)
1. ITC-ER References to the National Electrical Code (NEC)
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

Comment Deadline: June 9, 2025

ARESCA (American Renewable Energy Standards and Certification Association)
256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 61400-16-202x, Wind energy generation systems - Part 16: Standard file format for sharing power curve information (identical national adoption of IEC 61400-16:2027)
The proposed standard will establish minimum reporting requirements for OEMs to communicate wind turbine power curve information. The design basis of the turbine associated with a particular power curve will always be tracked, to ensure that site suitability evaluations can be conducted in parallel with energy analysis. A key objective of the proposed standard is to define a machine-readable file format that will benefit all stakeholders.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ARESCA (American Renewable Energy Standards and Certification Association)
256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 61400-32-202x, Wind energy generation systems - Part 32: Operations and maintenance of blades (identical national adoption of IEC 61400-32:2026)
An international standard to provide general requirements and guidelines for the operation and maintenance (O&M) of wind turbine rotor blades from the time of departure from the blade factory through end of life.
The scope of this standard is not proposed to include requirements for original equipment manufacturers (OEMs) related to defining blade O&M requirements as may be defined as part of the original design of the blade, a subject already addressed in the IEC 61400-5 standard (Chapter 8).
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ARESCA (American Renewable Energy Standards and Certification Association)
256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 61400-40-202x, Wind energy generation systems - Part 40: Electromagnetic Compatibility (EMC) - Requirements and test methods (identical national adoption of IEC 61400-40:2025)
This part of IEC 61400 applies to all type of wind turbine plants.
This standard defines the requirements and test methods for the verification of the wind turbine plants performance against emissions and their immunity against conducted and radiated interferences.
The requirements and test methods will be defined according the behaviour and the installations of this type of generating systems and all the sub systems included.
This standard is applicable to both wind turbine plants to be installed in offshore and onshore locations.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: June 9, 2025

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 62600-100-202x, Marine energy - Wave, tidal and other water current converters - Part 100: Electricity producing wave energy converters - Power performance assessment (identical national adoption of IEC TS 62600-100:2024)
IEC TS 62600-100 applied in conjunction with the IEC Technical Specification on wave energy resource assessment and characterization (IEC TS 62600-101), provides a method for estimation of the mean annual energy production of a WEC, assessing the electrical power production performance of a single, non-array, wave energy converter, at Location 2 based on the performance at Location 1.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 62600-101-202x, Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization (identical national adoption of IEC TS 62600-101:2024)
IEC TS 62600-101 establishes a system for estimating, analysing and reporting the wave energy resource at sites potentially suitable for the installation of Wave Energy Converters (WECs). This document is to be applied at all stages of site assessment, from initial investigations to detailed project design. This document is to be applied in conjunction with the IEC Technical Specification on WEC performance (IEC TS 62600-100) to estimate the mean annual energy production of a WEC or WEC array as described in the methodology in Annex A. This document is not intended for estimation of extreme wave conditions. The framework and methodologies prescribed in this document are intended to ensure that only adequate models are used, and that they are applied in an appropriate manner to ensure confidence and consistency in the reported results. Moreover, the document prescribes methods for analysing metocean data (including the data generated by modelling) in order to properly quantify and characterize the temporal and spatial attributes of the wave energy resource, and for reporting the results of a resource assessment in a comprehensive and consistent manner.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: June 9, 2025

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 62600-103-202x, Marine energy - Wave, tidal and other water current converters - Part 103: Guidelines for the early stage development of wave energy converters - Best practices and recommended procedures for the testing of pre-prototype devices (identical national adoption of IEC TS 62600-103:2024)
IEC TS 62600-103 is concerned with the sub-prototype scale development of wave energy converters (WECs). It includes wave tank test programmes, where wave conditions are controlled so they can be scheduled, and first sea trials, where sea states occur naturally and the programmes are adjusted and flexible to accommodate the conditions. Commercial-scale prototype tests are not covered in this document.
This document prescribes the minimum test programmes that form the basis of a structured technology development schedule. For each testing campaign, the prerequisites, goals and minimum test plans are specified. This document serves a wide audience of wave energy stakeholders, including device developers and their technical advisors; government agencies and funding councils; test centres and certification bodies; private investors; and environmental regulators and NGOs.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 62600-200-202x, Marine energy - Wave, tidal and other water current converters - Part 200: Electricity producing tidal energy converters - Power performance assessment (identical national adoption of IEC TS 62600-200:2025)
IEC/TS 62600-200 provides the following items:
- a systematic methodology for evaluating the power performance of tidal current energy converters (TECs) that produce electricity for utility scale and localized grids;
- a definition of TEC rated power and rated water velocity;
- a methodology for the production of the power curves for the TECs in consideration;
- a framework for the reporting of results.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: June 9, 2025

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 62600-201-202x, Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization (identical national adoption of IEC TS 62600-201:2025)
IEC TS 62600-201 establishes a system for analysing and reporting, through estimation or direct measurement, the theoretical tidal current energy resource in oceanic areas including estuaries (to the limit of tidal influence) that may be suitable for the installation of arrays of Tidal Energy Converters (TECs). It is intended to be applied at various stages of project lifecycle to provide suitably accurate estimates of the tidal resource to enable the arrays' projected annual energy production to be calculated at each TEC location in conjunction with IEC 62600-200.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

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

New Standard

BSR/ASHRAE Standard 241P-202x, Control of Infectious Aerosols (new standard)
This standard is ASHRAE's first in more than a century to set requirements for control of airborne disease transmission in non-health care facilities. It addresses requirements for minimum clean airflow, air distribution, use of filters and air cleaners, and the assessment, planning, and implementation process for all types of occupiable space, including residential and health care spaces. It is complementary to standards that specify requirements for acceptable indoor air quality. It is intended to be used to enable systems to exceed the requirements of these standards when necessary.
Single copy price: $35.00
Obtain an electronic copy from: 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 | cking@ashrae.org, www.ashrae.org

New Standard

BSR/ASHRAE/ASPE/AWWA Standard 191-202x, Standard for Water Balances and Efficiency in Mechanical and Process Systems (new standard)
The purpose of ASHRAE/ASPE/AWWA Standard 191-202x is to document a comprehensive water balance and define baseline requirements for the efficient use of water in mechanical and process systems.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: June 9, 2025

ASIS (ASIS International)

1625 Prince Street, Alexandria, VA 22314-2818 | standards@asisonline.org, www.asisonline.org

New Standard

BSR/ASIS SSEC-202x, School Security (new standard)
This Standard provides requirements ("shall" statements) and recommendations ("should" statements) for the development, implementation, maintenance, and continual improvement of a comprehensive school security program (that includes physical security, behavioral threat assessment and management, and emergency operations planning). It addresses assessing risk and developing protective strategies (utilizing physical security principles) for applying security measures necessary to support and promote safe educational environments (K -12).
Single copy price: $50.00
Obtain an electronic copy from: https://www.asisonline.org/publications--resources/standards--guidelines/
Send comments (copy psa@ansi.org) to: Aivelis Opicka <standards@asisonline.org>

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B30.26-202x, Rigging Hardware (revision of ANSI/ASME B30.26-2015 (R2020))
B30.26 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of detachable rigging hardware used for load handling activities.
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 <petersonk@asme.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C222-202x, Polyurethane Coatings and Linings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C222-2018)
This standard sets minimum requirements for shop-applied and field-applied polyurethane coatings and linings used in the water supply industry. Polyurethanes are used for steel water pipe, special sections, welded joints, connections, and fittings for steel water pipelines installed underground or underwater operating under normal conditions.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

BHMA (Builders Hardware Manufacturers Association)

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

New Standard

BSR/BHMA A156.45-202x, STANDARD FOR DETERMINATION OF BUILDERS HARDWARE ENERGY CONSUMPTION (new standard)
This Standard establishes methods for measuring the energy consumed in defined use cases for various types of externally powered architectural hardware.
Single copy price: $36.00 (non-member): $18.00 (member)
Obtain an electronic copy from: agambrall@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 9, 2025

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | publications@bicsi.org, www.bicsi.org

Revision

BSR/BICSI 006-202x, Distributed Antenna System (DAS) Design and Implementation Best Practices (revision of ANSI/BICSI 006-2019)
This standard provides industry and service provider neutral requirements and acceptable best practices for the design and installation of a DAS. For brevity, as used in this document, the terms distributed antenna system or DAS includes other in-building wireless and similar systems, such as radiating cable and small-cell networks.
Single copy price: Free
Obtain an electronic copy from: publications@bicsi.org
Send comments (copy psa@ansi.org) to: Allen Dean <publications@bicsi.org>

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

Revision

BSR/GBI 02-202X, Green Globes Assessment Protocol for Existing Buildings (revision of ANSI/GBI 02-2023) (revision of ANSI/GBI 02-2023)
The standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial existing buildings. Six areas of green building design will be included: environmental, social, and governance management; site; energy; water; materials; and indoor environment quality.
Single copy price: $40.00
Obtain an electronic copy from: https://thegbi.org/green-building-standards/eb/
Send comments (copy psa@ansi.org) to: Same

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

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

Revision

BSR/IAPMO Z1033-202x, Flexible PVC Hoses and Tubing for Pools, Hot Tubs, Spas, and Jetted Bathtubs (revision of ANSI/IAPMO Z1033-2015 (R2020))
This Standard covers flexible PVC hoses and tubing for use on pools, hot tubs, spas, and jetted bathtubs and specifies requirements for materials, physical characteristics, performance tests, and markings. Flexible PVC hoses and tubing covered by this Standard are intended to be used on hot tub, spa, and jetted bathtub (a) water circulation systems; and (b) pneumatic systems.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 9, 2025

IES (Illuminating Engineering Society)

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

Reaffirmation

BSR/IES LP-4-20 (R202x), Lighting Practice: Electric Light Sources - Properties, Selection, and Specification (reaffirmation of ANSI/IES LP-4-20)
Light source selection for those involved in the design of the luminous environment, including architects, interior designers, engineers, lighting designers, owners, sustainability consultants, energy engineers, landscape architects, lighting product representatives, lighting manufacturers, contractors, and distributors.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

IES (Illuminating Engineering Society)

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

Reaffirmation

BSR/IES LM-48-20 (R202x), Approved Method: Testing Calibration of Locking Type Photoelectric Control Devices (reaffirmation of ANSI/IES LM-48-20)
Procedures and test equipment by which photoelectric control devices can be tested to obtain accurate, optimally comparable data. This document also covers the system aspects that need to be understood to calibrate light sensitive control devices used in roadway and outdoor area lighting.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

IES (Illuminating Engineering Society)

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

Reaffirmation

BSR/IES TM-31-20 (R202x), Technical Memorandum: Measurement Uncertainty for Lighting Equipment Calibration Using Integrating Spheres (reaffirmation of ANSI/IES TM-31-20)
A common approach to the uncertainty analysis for calibration of lumen measuring equipment (integrating spheres) with standard incandescent lamps, including halogen, that have been assigned values of total luminous flux and/or total spectral radiant flux.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

Comment Deadline: June 9, 2025

IES (Illuminating Engineering Society)

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

Reaffirmation

BSR/IES TM-38-21 (R202x), Technical Memorandum: Photometric and Electrical Measurements of Tunable-White Solid-State Lighting Products (reaffirmation of ANSI/IES TM-38-21)
Protocol for measuring photometric, colorimetric, and electrical characteristics of tunable-white solid-state lighting products - including lamps, luminaires, and light engines - as covered by ANSI/IES LM-79-19. This protocol applies to products for which the spectral power distribution can be adjusted with a single one-dimensional input having a quantitative, interval format, either continuous or discrete, that is nominally independent of flux control.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

IES (Illuminating Engineering Society)

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

Revision

BSR/IES RP-28-25-202x, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-20)
This document is intended to increase the designers' understanding of age-related vision loss and the importance of their design decisions that could affect the safety and independence of this growing sector of the population. Includes revisions for Loss of Contrast Sensitivity, Safety Accents: Lighting and Contrast, Exterior Ramps and Stairs contrast marking, Stairs, Escalators, Elevator contrast markings, physiological responses to light, exit stairway and landing calculations, new Annexes on luminance contrast recommendations and space upgrade examples.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

IES (Illuminating Engineering Society)

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

Revision

BSR/IES RP-29-25-202x, Recommended Practice: Lighting Hospital and Healthcare Facilities (revision of ANSI/IES RP-29-22)
The objective of this document is to provide context, define challenges, and identify recommended lighting design practices for healthcare-specific environments. This document is not prescriptive but is intended to provide guidance and to inspire by identifying possibilities that enable designers to develop the appropriate solutions for complex situations and spaces. Includes revisions to incorporate ANSI/IES TM-30 color metrics, many new illustrative application images, and revisions to Clinical Lab design guidance.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

Comment Deadline: June 9, 2025

IKECA (International Kitchen Exhaust Cleaning Association)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@ikeca.org, www.ikeca.org

Revision

BSR/IKECA I10-202x, Standard for the Methodology for Inspection of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA I10-2020)
This standard shall provide minimum requirements for inspecting commercial kitchen exhaust systems and exhaust system components for mechanical conditions, structural integrity, fire safety, and cleanliness levels.
Single copy price: $20.00 (IKECA member)/$30.00 (non-member)
Obtain an electronic copy from: https://www.ikeca.org/store/viewproduct.aspx?id=25593906
Send comments (copy psa@ansi.org) to: https://form.jotform.com/250975026948165

NENA (National Emergency Number Association)

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

Revision

BSR/NENA/APCO-STA-050.3-202x, NENA-APCO Standard for Telecommunicator Emergency Response Taskforce (TERT) Deployment (revision of ANSI/APCO/NENA 1.105.2-2015)
This document includes information to provide guidance and helpful information regarding the development, maintenance, and deployment of a Telecommunicator Emergency Response Taskforce (TERT).
Single copy price: Free
Obtain an electronic copy from: Download and submit comments at https://url.us.m.mimecastprotect.com/s/fN65C1wqMwi6GVqSLf0cVIZM_?domain=dev.nena.org
Send comments (copy psa@ansi.org) to: Download and submit comments at https://url.us.m.mimecastprotect.com/s/fN65C1wqMwi6GVqSLf0cVIZM_?domain=dev.nena.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i182r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/groups/c08c82a5-9ad4-4de3-927f-018976f8aafc/download/79211
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

Comment Deadline: June 9, 2025

SEIA (Solar Energy Industries Association)

1425 K Street, NW, Suite 1000, Washington 20005 | jmartin@seia.org, www.seia.org

New Standard

BSR/SEIA 251-202x, Solar and Energy Storage Installation Requirements Standard: Large Commercial and Industrial Systems (new standard)
This standard sets forth criteria for the design and installation of 250kW to 5MW utility-interactive solar photovoltaic systems, energy storage systems, and energy storage systems connected with solar photovoltaic systems installed on commercial, and industrial properties. This standard covers all parts of the PV array, balance of system, microgrids, and energy storage. This standard also includes contractor and finance provider qualifications, quality control and management, and inspection processes.
Single copy price: $150.00 SEIA association basic members (other prices depend on membership level) and $200.00 non-SEIA members; Electronic version is free for viewing on-line at SEIAs standards website.
Obtain an electronic copy from: https://www2.seia.org/l/139231/2025-04-04/2rr8x7
Send comments (copy psa@ansi.org) to: standards@seia.org

TIA (Telecommunications Industry Association)

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

National Adoption

BSR/TIA 455-157-A-202x, FOTP-157 Adoption of IEC 61300-3-2:2009, Examination and Measurement Polarization Dependent Loss in a Single-mode Fibre Optic Device (identical national adoption of IEC 61300-3-2)
Revise FOTP-157 (PDL Measurements in a single-mode fibre optic device) to adopt IEC 61300-3-2:2009. Entire document is open for comment.
Single copy price: $77.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60079-31-202x, Standard for Safety for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure t (national adoption of IEC 60079-31 with modifications and revision of ANSI/UL 60079 -31-2024)
Revisions to the proposal document dated September 13, 2024, to replace installation codes with the specific country code as provided in the original Proposal ballot dated June 7, 2024, which is the current practice for CSA harmonized standards.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: June 9, 2025

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60384-14-202x, Safety Requirements for Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains (identical national adoption of IEC 60384-14 and revision of ANSI/UL 60384-14-2017 (R2023))
Proposed Third Edition of UL 60384-14 which is a UL-only identical adoption of IEC 60384-14:2023 (5th Edition)
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
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

VITA (VMEbus International Trade Association (VITA))

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

Reaffirmation

BSR/VITA 17.3-2018 (R202x), Serial Front Panel Data Port (sFPDP) Gen 3.0 (reaffirmation of ANSI/VITA 17.3 -2018)
This document describes an open standard for the third generation “Serial FPDP”, a high-speed low-latency serial communications protocol for use in high-speed data transfer applications. As the name implies, it is directly related to Standard Front Panel Data Port (FPDP), deriving its serial protocol from the defined protocol and control signals of FPDP. Although some recommended industry standard configurations are encouraged in Chapter 10, VITA 17.3 standard moves away from the concept of defined link rates and instead allows any link rate to be used. The VITA 17.3 standard also supports multi-lane channel bonding and advanced 64B/67B encoding to greatly increase the bandwidth capabilities of the link.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

VITA (VMEbus International Trade Association (VITA))

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

Stabilized Maintenance

BSR/VITA 60-2012 (S202x), Alternative Connector for VPX (stabilized maintenance of ANSI/VITA 60-2012 (R2018))
This standard provides an alternate connector to the one specified in the VITA 46.0 VPX Baseline Standard. Because the VITA 46.0 and the VITA 60.0 connectors are not intermateable, a VITA 60.0 module will not plug into a VITA 46.0.0 backplane and vice versa. However, the VITA 60.0 standard provides VPX users with the flexibility to choose a VPX module and backplane connector combination for their specific application requirements.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: June 24, 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

Withdrawal

ASME A112.19.14, Six-Liter Water Closets Equipped with a Dual Flushing Device (withdrawal of ANSI/ASME A112.19.14-2013 (R2018))
This Standard establishes physical, material, testing, and marking requirements for 6-L water closets that incorporate a water-conserving, dual-flushing feature into the fixture.
Single copy price: $50.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE 135.100-202x, Standard for Line Hardware for Overhead Line Construction (new standard)
Covered in this standard are the requirements for line hardware used in overhead lines, including clevis and eye fittings, Y-clevis fittings, socket fittings, ball fittings, chain links, shackles, triangular and rectangular yoke plates, suspension clamps, strain clamps, straight-line deadend clamps, and shoulder live-line extension links.
Single copy price: $59.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-c135-100-2024?product_id=2582018
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.20.10-202x, Standard Definitions for AC (52 kV and below) and DC (3.2 kV and below) Switchgear Assemblies (new standard)
Terms and definitions encompassing the products within the scope of ac (38 kV and below for air insulated equipment, 52 kV and below for gas insulated equipment) and dc (3.2 kV and below) power switchgear assemblies, including components for switching, interrupting, metering, protection, and regulating purposes as used primarily in connection with generation, transmission, distribution, and conversion of electric power are included in this standard.
Single copy price: $56.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-pc37-20-10?product_id=2580340
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

Comment Deadline: June 24, 2025

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.62-202x, Standard for Pad-Mounted Dry Vault, Submersible, and Overhead Fault Interrupters for Alternating Current Systems Up to and Including 38 kV (new standard)
Required definitions, ratings, procedures for performing design tests and production tests, and construction requirements for pad-mounted, dry vault, submersible, and overhead fault interrupters for alternating current systems up to and including 38 kV are provided in this standard.
Single copy price: $107.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-pc37-62?product_id=2918219
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.122.3-202x, Guide for Sulphur Hexafluoride (SF6) Gas Handling for High-Voltage (over 1000 Vac) Equipment (new standard)
Significant aspects of handling SF^6 gas used in electric power equipment such as gas recovery, reclamation, recycling in order to keep the gas permanently in a closed cycle and aid to prevent any deliberate release in environment are described. The purpose of this guide is to provide state-of-the-art technologies and procedures to reduce SF6 gas emission to a minimum functional level for the electric power equipment to preserve the environment. This guide will include all the aspects for consideration during commissioning and recommissioning, topping up, refilling, checking the gas quality at site, sampling and shipment for off-site gas analysis, and recovering and reclaiming during normal operation and at the end of the life of power equipment while dismantling. This guide also presents the state-of-the art tools and measuring devices including the necessary personnel protective equipment. The basis for the preparation of this guide is CIGRE Brochure No. 276, Guide for preparation of customized “Practical SF6 handling instructions,” August 2005 edition, developed by the Study Committee B3, Task Force B3.02.01.
Single copy price: $106.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-pc37-122-3?product_id=2913330
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE N42.49.1-202x, Standard for Performance Criteria for Non-Alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard)
The purpose of this standard is to specify technical performance requirements and performance testing requirements for those purchasing and using non-alarming personal emergency radiation detectors (PERDs) for Homeland Security and other radiological emergency applications.
Single copy price: $70.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-n42-49-1-2024?product_id=2912981
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

Comment Deadline: June 24, 2025

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE N42.59-202x, Standard for Measuring the Imaging Performance of Active Millimeter-Wave Systems for Security Screening of Humans (new standard)
This standard establishes test methods and test objects for measuring the imaging performance of active millimeter wave (MMW) radio frequency systems for security screening of humans. This standard applies to security screening systems that inspect people who are not inside vehicles, containers, or enclosures. Specifically, this standard applies to systems used to detect objects carried on the body of the individual being screened. The purpose of this standard is to provide standard test objects and methods of evaluating and reporting imaging quality characteristics. The quality of the data that are used for automated threat recognition is the primary concern.
Single copy price: $124.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-pn42-59?product_id=2927264
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

Revision

BSR/IEEE C37.41-202x, Standard for Design Tests and Specifications for High-Voltage (1000 V) Fuses and Accessories (revision of ANSI/IEEE C37.41-2016)
Required procedures for performing design tests for high-voltage fuses, as well as for fuse disconnecting switches, are specified. These design tests, as appropriate to a particular device, include the following test types: dielectric, interrupting, radio-influence, temperature-rise, time-current, manual-operation, liquid-tightness, thermal-cycle, bolt-torque, withstand tests for motor circuit fuses, expulsion fuses using polymeric insulators, load-break, and short-time current.
Single copy price: $171.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-pc37-41?product_id=2581684
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

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

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

National Adoption

INCITS/ISO/IEC 13888-3:2020 [202x], Information security - Non-repudiation Part 3: Mechanisms using asymmetric techniques (identical national adoption of ISO/IEC 13888-3:2020)
Specifies mechanisms for the provision of specific, communication-related, non-repudiation services using asymmetric cryptographic techniques.
Single copy price: $127.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: June 24, 2025

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

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

National Adoption

INCITS/ISO/IEC 15444-1:2024 [202x], Information technology - JPEG 2000 image coding system Part 1: Core coding system (identical national adoption of ISO/IEC 15444-1:2024)
Defines a set of lossless (bit-preserving) and lossy compression methods for coding bi-level, continuous-tone grey-scale, palletized colour, or continuous-tone colour digital still images.
Single copy price: $287.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 18014-2:2021 [202x], Information security - Time-stamping services Part 2: Mechanisms producing independent tokens (identical national adoption of ISO/IEC 18014-2:2021)
Specifies mechanisms that generate, renew, and verify independent time-stamps. In order to verify an independent time-stamp token, time-stamp verifiers do not need access to any other time-stamp tokens. That is, such time-stamp tokens are not linked.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 29794-1:2024 [202x], Information technology - Biometric sample quality Part 1: Framework (identical national adoption of ISO/IEC 29794-1:2024)
Establishes the following items for any or all biometric sample types as necessary: terms and definitions that are useful in the specification and use of quality measures; purpose and interpretation of biometric quality scores; motivation for developing biometric sample datasets for the purpose of quality score normalization; format for exchange of quality assessment algorithm results; methods for aggregation of quality scores; methods for evaluating the efficiency of quality assessment algorithms.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: June 24, 2025

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

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

National Adoption

INCITS/ISO/IEC 29794-4:2024 [202x], Information technology - Biometric sample quality Part 4: Finger image data (identical national adoption of ISO/IEC 29794-4:2024)
Establishes terms and definitions for quantifying finger image quality, methods used to quantify the quality of finger images, and standardized encoding of finger image quality, for finger images at 196,85 px/cm spatial sampling rate scanned or captured using optical sensors with capture dimension (width, height) of at least 1,27 cm x 1,651 cm.
Single copy price: $259.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 18092:2023 [202x], Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol 1 (NFCIP-1) (identical national adoption of ISO/IEC 18092:2023)
Defines communication modes for Near Field Communication Interface and Protocol 1 (NFCIP-1) using inductive coupled devices operating at the centre frequency of 13,56 MHz for interconnection of computer peripherals; both the active and the passive communication modes of NFCIP-1 to realize a communication network using Near Field Communication (NFC) devices for networked products and for consumer equipment; a transport protocol including protocol activation and data exchange methods.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 21481:2021 [202x], Information technology - Telecommunications and information exchange between systems - Near field communication interface and protocol 2 (NFCIP-2) (identical national adoption of ISO/IEC 21481:2021)
Specifies the communication mode selection and switching mechanism, designed not to disturb any ongoing communication at 13,56 MHz, for devices implementing ISO/IEC 18092, the ISO/IEC 14443 or ISO/IEC 15693 series. The communication modes are specified in the respective International Standards and are outside of the scope of this document.
Single copy price: $56.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: June 24, 2025

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

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

National Adoption

INCITS/ISO/IEC 23917:2023 [202x], Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol 1 (NFCIP-1) - Protocol test methods (identical national adoption of ISO/IEC 23917:2023)
Specifies protocol test methods for Near Field Communication Interface and Protocol 1 (NFCIP-1), as defined in ISO/IEC 18092 (the base standard). The radio frequency (RF) test methods for NFCIP-1 (also defined in ISO/IEC 18092) are specified in ISO/IEC 22536.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 27019:2024 [202x], Information security, cybersecurity and privacy protection - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2024)
Provides information security controls for the energy utility industry, based on ISO/IEC 27002:2022, for controlling and monitoring the production or generation, transmission, storage and distribution of electric power, gas, oil and heat, and for the control of associated supporting processes.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 1309A-202x, Standard for Safety for Cable for Use in Mobile Installations (new standard)
This standard covers cables up through 2000 volts which may be used in accordance with Article 337 of the National Electrical Code (NEC), ANSI/NFPA 70. Cables complying with this Standard are eligible to be marked with the designation “Type P”. Cable marked Type P is a cross-linked polyolefin insulated, single or multi conductor cable, with an equipment grounding conductor, overall nonmetallic jacket and may be armored and sheathed or unarmored. Type P cables are designed for use in offshore and marine environments and are constructed to provide resistance to oil, moisture, chemicals, sunlight, mechanical damage, and flame propagation. Type P cable can be used on mobile installations such as land drilling rigs, or other similar equipment and for industrial installations under engineering supervision.
Single copy price: Free
Order from: https://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: June 24, 2025

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 448-202x, Standard for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2025)
1. Exception for single phase motors per NFPA 20 2. Hydrostatic testing of proprietary column flanges 3. Updating and clarification of construction and marking requirements
Single copy price: Free
Order from: Griff Edwards <griff.edwards@ul.org>
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1395-202X, Standard for Transients Test Method (revision of ANSI/UL 1395-2024)
ULSE proposes revisions to the Standard for Transients Test Method, UL 1395.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2443-202X, Standard for Flexible Sprinkler Hose with Fittings for Fire Protection Service (revision of ANSI/UL 2443-2024)
ULSE proposes revisions to the Standard for Flexible Sprinkler Hose with Fittings for Fire Protection Service, UL 2443.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Same

Project Withdrawn

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

NEMA (National Electrical Manufacturers Association)

1300 N. 17th St. Suite 900, Arlington, VA 22209 | Daniel.Abbate@nema.org, www.nema.org

BSR/IEC 62262-202x, Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (identical national adoption of IEC 62262)
Send comments (copy psa@ansi.org) to: Daniel Abbate <Daniel.Abbate@nema.org>

Final Actions on American National Standards

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

ADA (American Dental Association)

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

ANSI/ADA Standard No. 113-2025, Dentistry - Periodontal Curettes and Dental Scalers (national adoption of ISO 13397-1:1995ISO 13397-2/Amendment 1:2012ISO 13397-3:1996ISO 13397-5:2015 with modifications and revision of ANSI/ADA Standard No. 113-2015) Final Action Date: 4/16/2025 | *National Adoption*

ANSI/ADA Standard No. 170-2025, Dentistry - Excavators (national adoption of ISO 23940:2021 with modifications and revision of ANSI/ADA Standard No. 170-2019) Final Action Date: 4/16/2025 | *National Adoption*

ANSI/ADA Standard No. 176-2025, Dentistry - Test Method for Machining Accuracy of Computer-Aided Milling Machines (national adoption with modifications of ISO 23298:2023) Final Action Date: 4/16/2025 | *National Adoption*

ANSI/ADA Standard No. 200-2025, Dentistry - Extraction Forceps (national adoption with modifications of ISO 9173-1:2016ISO 9173-2:2010ISO 9173-3:2014) Final Action Date: 4/16/2025 | *National Adoption*

AGMA (American Gear Manufacturers Association)

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

ANSI/AGMA 1003-H07 (R2025), Tooth Proportions for Fine-Pitch Spur and Helical Gearing (reaffirmation of ANSI/AGMA 1003-H07 (R2020)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 1103-H07 (R2025), Tooth Proportions for Fine-Pitch Spur and Helical Gearing (Metric Edition) (reaffirmation of ANSI/AGMA 1103-H07 (R2020)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 1107-A19 (R2025), Tolerance Specification for Form Milling Cutters (reaffirmation of ANSI/AGMA 1107-A19) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 2011-B14 (R2025), Cylindrical Wormgearing Tolerance and Inspection Methods (reaffirmation of ANSI/AGMA 2011-B14 (R2019)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 6022-D19 (R2025), Design Manual for Cylindrical Wormgearing (reaffirmation of ANSI/AGMA 6022-D19) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 6033-C08 (R2025), Materials for Marine Propulsion Gearing (reaffirmation of ANSI/AGMA 6033-C08 (R2020)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 6035-A02 (R2025), Design, Rating and Application of Industrial Globoidal Wormgearing (reaffirmation of ANSI/AGMA 6035-A02 (R2019)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 6133-C08 (R2025), Materials for Marine Propulsion Gearing (Metric Edition) (reaffirmation of ANSI/AGMA 6133-C08 (R2020)) Final Action Date: 4/21/2025 | *Reaffirmation*

ANSI/AGMA 6135-A02 (R2025), Design, Rating and Application of Industrial Globoidal Wormgearing (Metric Edition) (reaffirmation of ANSI/AGMA 6135-A08 (R2019)) Final Action Date: 4/21/2025 | *Reaffirmation*

AmericanHort

2130 Stella Court, Columbus, OH 43215 | rachelp@americanhort.org, http://www.americanhort.org

ANSI/AmericanHort Z60.2-2024-2025, American Standard for Nursery Stock (new standard) Final Action Date: 4/17/2025 | *New Standard*

ANS (American Nuclear Society)

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

ANSI/ANS 2.27-2020 (R2025), Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments (reaffirmation of ANSI/ANS 2.27-2020) Final Action Date: 4/15/2025 | *Reaffirmation*

ANSI/ANS 54.1-2020 (R2025), Nuclear Safety Criteria and Design Process for Sodium Fast Reactor Nuclear Power Plants (reaffirmation of ANSI/ANS 54.1-2020) Final Action Date: 4/15/2025 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME TDP-2-2012 (R2025), Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Nuclear-Fueled Plants (reaffirmation of ANSI/ASME TDP-2-2012 (R2017)) Final Action Date: 4/21/2025 | *Reaffirmation*

ASTM (ASTM International)

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

ANSI/ASTM E1588-2025, Practice for Gunshot Residue Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (revision of ANSI/ASTM E1588-2020) Final Action Date: 4/15/2025 | *Revision*

ANSI/ASTM E2926-2025, Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence (-XRF) Spectrometry (revision of ANSI/ASTM E2926-2017) Final Action Date: 4/15/2025 | *Revision*

ANSI/ASTM E2998-2025, Practice for Characterization and Classification of Smokeless Powder (revision of ANSI/ASTM E2998-2016) Final Action Date: 4/15/2025 | *Revision*

ANSI/ASTM E2999-2025, Test Method for Analysis of Organic Compounds in Smokeless Powder by Gas Chromatography-Mass Spectrometry and Fourier Transform Infrared Spectroscopy (revision of ANSI/ASTM E2999 -2017) Final Action Date: 4/15/2025 | *Revision*

ANSI/ASTM E3406-2025, Guide for Microspectrophotometry in Forensic Fiber Analysis (revision of ANSI/ASTM E3406 -2024) Final Action Date: 4/15/2025 | *Revision*

AWS (American Welding Society)

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

ANSI/AASHTO/AWS D1.5M/D1.5-2025, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2020) Final Action Date: 4/14/2025 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C655-2025, Field Dechlorination (revision of ANSI/AWWA C655-2017) Final Action Date: 4/14/2025 | *Revision*

BHMA (Builders Hardware Manufacturers Association)

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

ANSI/BHMA A156.42-2025, Standard for Acoustic Performance Rating for Operational Noise of Architectural Hardware (new standard) Final Action Date: 4/16/2025 | *New Standard*

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | publications@bicsi.org, www.bicsi.org

ANSI/BICSI 004-2025, Information Communication Technology Systems Design and Implementation Best Practices for Healthcare Institutions and Facilities (revision of ANSI/BICSI 004-18-2018) Final Action Date: 4/15/2025 | *Revision*

BIFMA (Business and Institutional Furniture Manufacturers Association)

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

ANSI/BIFMA e3-2024, Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2019 (i23r2)) Final Action Date: 4/21/2025 | *Revision*

CTA (Consumer Technology Association)

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

ANSI/CTA 2043-B-2025, Set-top Box (STB) Power Measurement (revision of ANSI/CTA 2043-A-2019) Final Action Date: 4/14/2025 | *Revision*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 2426-2025, Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System - Part 1: Measuring techniques (new standard) Final Action Date: 4/16/2025 | *New Standard*

ANSI/IEEE 1680.3-2025, Standard for Environmental Assessment of Televisions (revision of ANSI/IEEE 1680.3-2012) Final Action Date: 4/16/2025 | *Revision*

NECA (National Electrical Contractors Association)

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

ANSI/NECA 500-2025, Standard for Installing and Maintaining Indoor Commercial Lighting Systems (new standard) Final Action Date: 4/21/2025 | *New Standard*

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

ANSI C136.22-2025, Roadway and Area Lighting Equipment - Internal Labeling of Luminaires (revision of ANSI C136.22 -2019) Final Action Date: 4/15/2025 | *Revision*

SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | deanna@saiaonline.org, www.saiaonline.org

ANSI/SAIA A11.6-2025, Standard for Testing and Rating Scaffold Planks and Decks (new standard) Final Action Date: 4/21/2025 | *New Standard*

ULSE (UL Standards & Engagement)

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

ANSI/UL 62841-3-4-2025, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery Safety - Part 3-4: Particular Requirements for Transportable Bench Grinders (identical national adoption of IEC 62841-3-4 Amendment 2 (2024) and revision of ANSI/UL 62841-3-4-2019) Final Action Date: 2/28/2025 | *National Adoption*

ANSI/UL 961-2014 (R2025), Standard for Electric Hobby and Sports Equipment (reaffirmation of ANSI/UL 961-2014 (R2020)) Final Action Date: 4/16/2025 | *Reaffirmation*

ANSI/UL 62133-1-2020 (R2025), Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems (reaffirm a national adoption ANSI/UL 62133-1-2020) Final Action Date: 1/28/2025 | *Reaffirmation*

ANSI/UL 644-2025, Standard for Container Assemblies for LP-Gas (revision of ANSI/UL 644-2014 (R2019)) Final Action Date: 4/11/2025 | *Revision*

ANSI/UL 1450-2025, Standard for Safety for Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment (revision of ANSI/UL 1450-2019 (R2021)) Final Action Date: 4/16/2025 | *Revision*

ANSI/UL 1696-2025, Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2021) Final Action Date: 4/11/2025 | *Revision*

ANSI/UL 3300-2025, Standard for Safety for Service, Communication, Information, Education and Entertainment Robots - SCIEE Robots (revision of ANSI/UL 3300-2024) Final Action Date: 4/16/2025 | *Revision*

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 86-2025, High Voltage Input Sealed Connector Power Supply (revision of ANSI/VITA 86-2019) Final Action Date: 4/16/2025 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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.

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-16-202x, Wind energy generation systems - Part 16: Standard file format for sharing power curve information (identical national adoption of IEC 61400-16:2027)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-32-202x, Wind energy generation systems - Part 32: Operations and maintenance of blades (identical national adoption of IEC 61400-32:2026)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-40-202x, Wind energy generation systems - Part 40: Electromagnetic Compatibility (EMC) - Requirements and test methods (identical national adoption of IEC 61400-40:2025)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-100-202x, Marine energy - Wave, tidal and other water current converters - Part 100: Electricity producing wave energy converters - Power performance assessment (identical national adoption of IEC TS 62600-100:2024)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-101-202x, Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization (identical national adoption of IEC TS 62600-101:2024)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-103-202x, Marine energy - Wave, tidal and other water current converters - Part 103: Guidelines for the early stage development of wave energy converters - Best practices and recommended procedures for the testing of pre-prototype devices (identical national adoption of IEC TS 62600-103:2024)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-200-202x, Marine energy - Wave, tidal and other water current converters - Part 200: Electricity producing tidal energy converters - Power performance assessment (identical national adoption of IEC TS 62600-200:2025)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-201-202x, Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization (identical national adoption of IEC TS 62600-201:2025)

AWS (American Welding Society)

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

BSR/AWS D1.1/D1.1M-202x, Structural Welding Code-Steel (revision of ANSI/AWS D1.1/D1.1M-2025)

BHMA (Builders Hardware Manufacturers Association)

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

BSR/BHMA A156.45-202x, STANDARD FOR DETERMINATION OF BUILDERS HARDWARE ENERGY CONSUMPTION (new standard)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-66B-202x, EMI Shielding Effectiveness Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-66A-2000 (R2019))

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

BSR/GBI 02-202X, Green Globes Assessment Protocol for Existing Buildings (revision of ANSI/GBI 02-2023) (revision of ANSI/GBI 02-2023)

IES (Illuminating Engineering Society)

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

BSR/IES LS-4-202x, Lighting Science: Measurement of Light - The Science of Photometry (revision of ANSI/IES LS-4 -20 (R2023))

IES (Illuminating Engineering Society)

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

BSR/IES LM-20-202x, Approved Method: Photometry of Reflector Type Lamps (revision of ANSI/IES LM-20-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-28-202x, Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (revision of ANSI/IES LM-28-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-37-202x, Approved Method: IES Guide for Determination of Average Luminance (Calculated) for Indoor Luminaires (revision of ANSI/IES LM-37-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-45-202x, Approved Method: Electrical and Photometric Measurements of General Service Incandescent Filament Lamps (revision of ANSI/IES LM-45-2020 (R2023))

IES (Illuminating Engineering Society)

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

BSR/IES LM-54-202x, Approved Method: Guide to Lamp Seasoning (revision of ANSI/IES LM-54-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-72-202x, Approved Method: Directional Positioning of Photometric Data (revision of ANSI/IES LM-72 -20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-75-202x, Guide to Goniometer Measurements and Types, and Photometric Coordinate Systems (revision of ANSI/IES LM-75-19)

IES (Illuminating Engineering Society)

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

BSR/IES LM-77-202x, Approved Method: Luminous Intensity Distribution Measurement of Luminaires and Lamps Using Screen Imaging Photometry (revision of ANSI/IES LM-77-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-80-202x, Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources (revision of ANSI/IES LM-80-21)

IES (Illuminating Engineering Society)

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

BSR/IES LP-4-20 (R202x), Lighting Practice: Electric Light Sources - Properties, Selection, and Specification (reaffirmation of ANSI/IES LP-4-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-48-20 (R202x), Approved Method: Testing Calibration of Locking Type Photoelectric Control Devices (reaffirmation of ANSI/IES LM-48-20)

IES (Illuminating Engineering Society)

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

BSR/IES LM-84-20 (R202x), Approved Method: Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires (reaffirmation of ANSI/IES LM-84-20)

IES (Illuminating Engineering Society)

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

BSR/IES RP-28-25-202x, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-20)

IES (Illuminating Engineering Society)

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

BSR/IES RP-29-25-202x, Recommended Practice: Lighting Hospital and Healthcare Facilities (revision of ANSI/IES RP-29-22)

IES (Illuminating Engineering Society)

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

BSR/IES TM-21-202x, Technical Memorandum: Projecting Long Term Lumen, Photon, and Radiant Flux Maintenance of LED Light Sources (revision of ANSI/IES TM-21-21)

IES (Illuminating Engineering Society)

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

BSR/IES TM-28-202x, Technical Memorandum: Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires (revision of ANSI/IES TM-28-20)

IES (Illuminating Engineering Society)

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

BSR/IES TM-31-20 (R202x), Technical Memorandum: Measurement Uncertainty for Lighting Equipment Calibration Using Integrating Spheres (reaffirmation of ANSI/IES TM-31-20)

IES (Illuminating Engineering Society)

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

BSR/IES TM-38-21 (R202x), Technical Memorandum: Photometric and Electrical Measurements of Tunable-White Solid-State Lighting Products (reaffirmation of ANSI/IES TM-38-21)

IES (Illuminating Engineering Society)

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

BSR/IES/IUVA LM-92-202x, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (revision of ANSI/IES/IUVA LM-92-22)

IKECA (International Kitchen Exhaust Cleaning Association)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@ikeca.org, www.ikeca.org

BSR/IKECA I10-202x, Standard for the Methodology for Inspection of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA I10-2020)

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 13888-3:2020 [202x], Information security - Non-repudiation Part 3: Mechanisms using asymmetric techniques (identical national adoption of ISO/IEC 13888-3:2020)

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 15444-1:2024 [202x], Information technology - JPEG 2000 image coding system Part 1: Core coding system (identical national adoption of ISO/IEC 15444-1:2024)

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 18014-2:2021 [202x], Information security - Time-stamping services Part 2: Mechanisms producing independent tokens (identical national adoption of ISO/IEC 18014-2:2021)

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 29794-1:2024 [202x], Information technology - Biometric sample quality Part 1: Framework (identical national adoption of ISO/IEC 29794-1:2024)

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 29794-4:2024 [202x], Information technology - Biometric sample quality Part 4: Finger image data (identical national adoption of ISO/IEC 29794-4:2024)

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 18092:2023 [202x], Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol 1 (NFCIP-1) (identical national adoption of ISO/IEC 18092:2023)

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 21481:2021 [202x], Information technology - Telecommunications and information exchange between systems - Near field communication interface and protocol 2 (NFCIP-2) (identical national adoption of ISO/IEC 21481:2021)

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 23917:2023 [202x], Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol 1 (NFCIP-1) - Protocol test methods (identical national adoption of ISO/IEC 23917:2023)

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 27019:2024 [202x], Information security, cybersecurity and privacy protection - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2024)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR/MH29.1-202x, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2020)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR/MH29.2-202x, Safety Requirements for Industrial Tilters (revision of ANSI MH29.2-2020)

NENA (National Emergency Number Association)

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

BSR/NENA STA-055.1-202x, NENA Standard for Medical Condition Types (new standard)
Interest Categories: Interest Categories: NENA is seeking volunteers to participate as a Working Group (WG) member for the Agency Systems Committee (ASC) Medical Condition Types WG. The WG determines the appropriate medical condition types, their descriptions and related guidance regarding use in NG9-1-1. Needed are operational and technical subject matter experts in the User, Producer and General Interest categories from Public Safety Answering Points, Emergency Medical Response and 9-1-1 products and services industry partners. To join, please complete the form at https://www.nena.org/page/NENAMedicalConditionTypes.

NSF (NSF International)

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

BSR/NSF 49-202x (i201r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2024)

NSF (NSF International)

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

BSR/NSF 564-202x, Standard for Homeopathic Products (new standard)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i182r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)

TIA (Telecommunications Industry Association)

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

BSR/TIA 322-A-1-202x, Loading, Analysis, and Design Criteria Related to the Installation, Alteration and Maintenance of Communication Structures- Addendum 1 (addenda to ANSI/TIA 322-A-2023)

TIA (Telecommunications Industry Association)

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

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

ULSE (UL Standards & Engagement)

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

BSR/UL 448-202x, Standard for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448 -2025)

ULSE (UL Standards & Engagement)

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

BSR/UL 1309A-202x, Standard for Safety for Cable for Use in Mobile Installations (new standard)
Interest Categories: UL Standards & Engagement is looking for participants in the following interest categories: Authorities Having Jurisdiction, Commercial/Industrial Users, Consumer, General Interest, Government, Supply Chain, and Testing and Standards Organization.

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 17.3-2018 (R202x), Serial Front Panel Data Port (sFPDP) Gen 3.0 (reaffirmation of ANSI/VITA 17.3-2018)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 60-2012 (S202x), Alternative Connector for VPX (stabilized maintenance of ANSI/VITA 60-2012 (R2018))

VITA (VMEbus International Trade Association (VITA))

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

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

VITA (VMEbus International Trade Association (VITA))

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

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

American National Standards (ANS) Announcements

Dentistry – Dental CAD/CAM Machinable Ceramic Blanks

Corrections

ADA (Organization) - American Dental Association

ANSI/ADA Standard No. 187-2024

ANSI/ADA Standard No. 187:2024 for Dentistry – Dental CAD/CAM Machinable Ceramic Blanks was mistakenly announced through the ANS process (PINS, BSR-8, BSR-9) as “Create new ANS.” The standard is a modified national adoption of ISO 18675:2022 Dentistry — Machinable ceramic blanks and we should have indicated, “Adopt ISO or IEC standard with modifications”. We have indicated that it is a modified national adoption on the standard for publication on both the cover and in our Foreword, showing the modifications from the ISO standard.

Questions: Kathy Medic medick@ada.org

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ICC - International Code Council

Effective April 18, 2025

The reaccreditation of **ICC - International Code Council** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ICC-sponsored American National Standards, effective **April 18, 2025**. For additional information, please contact: Karl Aittaniemi, International Code Council (ICC) | 4051 Flossmoor Road, Country Club Hills, IL 60478 | (888) 422-7233, kaittaniemi@iccsafe.org

Public Review of Revised ASD Operating Procedures

ACCT - Association for Challenge Course Technology

Comment Deadline: May 26, 2025

ACCT - Association for Challenge Course Technology has submitted revisions to its currently accredited operating procedures for documenting consensus on ACCT-sponsored American National Standards, under which it was last reaccredited in 2024. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: John Voegtlin , Association for Challenge Course Technology (ACCT) | P.O. Box 19797, Boulder, CO 80308 | (303) 827-2432, John@acctinfo.org

To view/download a copy of the revisions during the public review period, click URL here

Please submit any public comments on the revised procedures to ACCT by **May 26, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Public Review of Revised ASD Operating Procedures

ARESCA - American Renewable Energy Standards and Certification Association

Comment Deadline: May 26, 2025

ARESCA - American Renewable Energy Standards and Certification Association has submitted revisions to its currently accredited operating procedures for documenting consensus on ARESCA-sponsored American National Standards, under which it was last reaccredited in 2025. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: George Kelly, American Renewable Energy Standards and Certification Association (ARESCA) | 256 Farrell Farm Road, Norwich, VT 05055 | (301) 788-7836, secretary@aresca.us

To view/download a copy of the revisions during the public review period, click URL here:

Please submit any public comments on the revised procedures to ARESCA by **May 26, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Accreditation Announcements (Standards Developers)

Withdrawal of Accreditation – ASD

Argentum - Expanding Senior Living

Effective March 27, 2025

The ANSI accreditation of Argentum - Expanded Senior Living as a developer of American National Standards (ANS) has been formally withdrawn per its request, effective March 27, 2025.

Argentum currently maintains no American National Standards.

For additional information, please contact: Mr. John Schulte, Vice President, Quality Management, Argentum, 1650 King Street, 6th Floor, Alexandria, VA 22314; ph. 571.527.2623 | email: jschulte@argentum.org

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
tambrosius@aafs.org

ADA (Organization)
American Dental Association
211 E. Chicago Avenue
Chicago, IL 60611
www.ada.org

Mary Swick
swickm@ada.org

AGMA
American Gear Manufacturers Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
www.agma.org

Phillip Olson
olson@agma.org

Todd Praneis
praneis@agma.org

AmericanHort
AmericanHort
2130 Stella Court
Columbus, OH 43215
http://www.americanhort.org

Rachel Pick
rachelp@americanhort.org

ANS
American Nuclear Society
1111 Pasquinelli Drive, Suite 350
Westmont, IL 60559
www.ans.org

Kathryn Murdoch
kmurdoch@ans.org

ARESCA
American Renewable Energy Standards and Certification Association
256 Farrell Farm Road
Norwich, VT 05055
www.aresca.us

George Kelly
secretary@aresca.us

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

Carl Jordan
cjordan@ashrae.org

Carmen King
cking@ashrae.org

Emily Toto
etoto@ashrae.org

Mark Weber
mweber@ashrae.org

Ryan Shanley
rshanley@ashrae.org

ASIS
ASIS International
1625 Prince Street
Alexandria, VA 22314
www.asisonline.org

Aivelis Opicka
standards@asisonline.org

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

Terrell Henry
ansibox@asme.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

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

Jennifer Rosario
jrosario@aws.org

Stephen Borrero
sborrero@aws.org

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

Madeline Rohr
mrohr@awwa.org

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

Tony Gambrall
agambrall@kellencompany.com

BICSI
Building Industry Consulting Service International
8610 Hidden River Parkway
Tampa, FL 33637
www.bicsi.org

Allen Dean
publications@bicsi.org

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

Steven Kooy
skooy@bifma.org

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
www.cta.tech

Catrina Akers
cakers@cta.tech

ECIA
Electronic Components Industry Association
13873 Park Center Road, Suite 315
Herndon, VA 20171
www.ecianow.org

Laura Donohoe
ldonohoe@ecianow.org

FM
FM Approvals
One Technology Way
Norwood, MA 02062
www.fmapprovals.com

Josephine Mahnken
josephine.mahnken@fmapprovals.com

GBI
Green Building Initiative
PO Box 80010
Portland, 97280
www.thegbi.org

Emily Marx
emarx@thegbi.org

HPS (ASC N13)
Health Physics Society
950 Herndon Parkway, Suite 450
Herndon, VA 20170
www.hps.org

Amy Wride-Graney
awride-graney@burkinc.com

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

Terry Burger
standards@iapmostandards.org

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

Suzanne Merten
s.merten@ieee.org

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

Patricia McGillicuddy
pmcgillicuddy@ies.org

IKECA
International Kitchen Exhaust Cleaning Association
2331 Rock Spring Road
Forest Hill, MD 21050
www.ikeca.org

Nikki Augsburger
nikki@ikeca.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW, Suite 600
Washington, DC 20001
www.incits.org

Deborah Spittle
INCITS-comments@connectedcommunity.org

MHI
Material Handling Industry
8720 Red Oak Boulevard, Suite 201
Charlotte, NC 28217
www.mhi.org

Patrick Davison
pdavison@mhi.org

MSS
Manufacturers Standardization Society
441 N. Lee Street
Alexandria, VA 22314
www.mss-hq.org

Stefania Adjei
standards@msshq.org

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

Jeff Noren
Jeff.Noren@NECAnet.org

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street Suite 900
Rosslyn, VA 22209
www.nema.org

Zijun Tong
Zijun.Tong@nema.org

NENA
National Emergency Number Association
1700 Diagonal Road, Suite 500
Alexandria, VA 22314
www.nena.org

Nena Staff
crm@nena.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org

Allan Rose
arose@nsf.org

Amy Jump
ajump@nsf.org

Rachel Brooker
rbrooker@nsf.org

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

Richard Dixon
rick.dixon@resnet.us

SAIA (ASC A11)
Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
www.saiaonline.org

DeAnna Martin
deanna@saiaonline.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341
www.scte.org

Natasha Aden
naden@scte.org

SEIA
Solar Energy Industries Association
1425 K Street, NW
Suite 1000, Washington 20005
www.seia.org

Jennifer Martin
jmartin@seia.org

TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
www.tiaonline.org

Teesha Jenkins
tjenkins@tiaonline.org

ULSE
UL Standards & Engagement
100 Queen Street, Suite 1040
Ottawa, ON K1P 1
https://ulse.org/

Celine Eid
celine.eid@ul.org

Hilal Misilmani
hilal.elmisilmani@ul.org

Sabrina Khrebtov
sabrina.khrebtov@ul.org

ULSE
UL Standards & Engagement
12 Laboratory Drive
Research Triangle Park, NC 27709
https://ulse.org/

Ashley Seward
ashley.seward@ul.org

Doreen Stocker
Doreen.Stocker@ul.org

Griff Edwards
griff.edwards@ul.org

Haley Callahan
haley.callahan@ul.org

Michael Niedermayer
michael.niedermayer@ul.org

Nicolette Weeks
Nicolette.A.Weeks@ul.org

Tony Partridge
Tony.Partridge@ul.org

Vickie Hinton
Vickie.T.Hinton@ul.org

ULSE
UL Standards & Engagement
1603 Orrington Ave, Suite 2000
Evanston, IL 60201
https://ulse.org/

Aaron Zheng
aaron.zheng@ul.org

Jeff Prusko
Jeffrey.prusko@ul.org

ULSE
UL Standards & Engagement
47173 Benicia Street
Fremont, CA 94538
https://ulse.org/

Linda Phinney
Linda.L.Phinney@ul.org

VITA
VMEbus International Trade Association
(VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com

Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards

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

COMMENTS

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

Those regarding IEC documents should be sent to the USNC/IEC team at ANSI's New York offices (usnc@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

ISO Standards

Applications of statistical methods (TC 69)

ISO/DIS 5725-6, Accuracy (trueness and precision) of measurement methods and results - Part 6: Use in practice of accuracy values - 7/10/2025, $134.00

Building construction (TC 59)

ISO/DIS 7728, Typical horizontal joints between an external wall of prefabricated ordinary concrete components and a concrete floor - Properties, characteristics and classification criteria - 7/5/2025, $58.00

ISO/DIS 7729, Typical vertical joints between two prefabricated ordinary concrete external wall components - Properties, characteristics and classification criteria - 7/6/2025, $58.00

Cleaning equipment for air and other gases (TC 142)

ISO/DIS 10121-1, Test method for assessing the performance of gas-phase air cleaning media and devices for general ventilation - Part 1: Gas-phase air cleaning media - 7/5/2025, $112.00

Market, opinion and social research (TC 225)

ISO/DIS 20252, Market, opinion and social research, including insights and data analytics - Vocabulary and service requirements - 7/6/2025, $146.00

Photography (TC 42)

ISO/DIS 18928, Imaging materials - Unprocessed photographic films and papers - Storage practices - 7/5/2025, $40.00

Road vehicles (TC 22)

ISO/DIS 14229-1, Road vehicles - Unified diagnostic services (UDS) - Part 1: Application layer - 7/6/2025, $269.00

Traditional Chinese medicine (TC 249)

ISO/DIS 25099, Traditional Chinese Medicine - Curcuma phaeocaulis, Curcuma kwangsiensis, and Curcuma wenyujin rhizome - 7/7/2025, $71.00

Transfusion, infusion and injection equipment for medical use (TC 76)

ISO/DIS 13926-1, Cartridge systems - Part 1: Glass cylinders for cartridge-type needle-based injection systems (NIS) for medical use - 7/5/2025, $46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 20538, Information technology - Computer Graphics, image processing and environmental data representation - Human information data model for VR-based smart cities - 7/5/2025, $146.00

ISO/IEC DIS 19763-13, Information technology - Metamodel framework for interoperability (MFI) - Part 13: Metamodel for form design registration - 7/10/2025, $125.00

ISO/IEC DIS 23090-23, Information technology - Coded representation of immersive media - Part 23: Conformance and reference software for MPEG immersive video - 7/5/2025, $62.00

IEC Standards

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

100/4293/CDV, IEC 63448 ED1: Low and Ultra-low Latency communication and control systems, 07/11/2025

Dependability (TC 56)

56/2095/CD, IEC 60300-3-18 ED1: Dependability Management - Application guide - Guide on Reliability, 06/13/2025

Documentation and graphical symbols (TC 3)

3D/437/VD, IEC 61360-C00176 ED3: Harmonize the different BLOCKS for "identification of product" in the IEC CDD, 06/13/2025

3D/436/VD, IEC 61360-C00177 ED3: Lists of Dynamic Properties (LOPDs) of process analysers for electronic data exchange, 05/30/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1050/FDIS, IEC 63119-1 ED2: Information exchange for electric vehicle charging roaming service - Part 1: General, 05/30/2025

69/1051/FDIS, IEC 63380-3 ED1: Standard interface for connecting charging stations to local energy management systems - Part 3 Communication protocol and cybersecurity specific aspects, 05/30/2025

Electric traction equipment (TC 9)

9/3207(F)/FDIS, IEC 62278-1 ED1: Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) - Part 1: Generic RAMS process, 05/09/2025

9/3208(F)/FDIS, IEC 62278-2 ED1: Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) - Part 2: Systems approach to safety, 05/09/2025

Electrical accessories (TC 23)

23B/1573/FDIS, IEC 61995-1 ED2: Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements, 05/30/2025

23B/1574/FDIS, IEC 61995-2 ED2: Devices for the connection of luminaires for household and similar purposes - Part 2: Standard sheets, 05/30/2025

23H/574/DTS, IEC TS 63379 ED1: Vehicle connector, vehicle inlet and cable assembly for Megawatt DC charging, 06/13/2025

23H/573/NP, PNW TS 23H-573 ED1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part X: Couplers for portable battery chargers, 07/11/2025

Electrical Energy Storage (EES) Systems (TC 120)

120/415/FDIS, IEC 62933-5-2 ED2: Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid-integrated EES systems - Electrochemical-based systems, 05/30/2025

Electrical installations of buildings (TC 64)

64/2754/CDV, IEC 60364-7-702 ED4: Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains, 07/11/2025

Electroacoustics (TC 29)

29/1203/CD, IEC 60601-2-66 ED4: Medical electrical equipment - Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems, 06/13/2025

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

48B/3161/CD, IEC 61076-3-128 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 3-128: Rectangular connectors - Detail specification for 16-pole wrench locking connectors with 3,5 A rated current and IP65 plastic housing, 06/13/2025

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

104/1107/FDIS, IEC 60068-2-1 ED7: Environmental testing - Part 2-1: Tests - Test A: Cold, 05/30/2025

104/1108/FDIS, IEC 60068-2-2 ED6: Environmental testing - Part 2-2: Tests - Test B: Dry heat, 05/30/2025

104/1109/FDIS, IEC 60068-2-78 ED3: Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state, 05/30/2025

104/1110/CD, IEC 60721-3-4/AMD1 ED3: Amendment 1 - Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations, 06/13/2025

Fibre optics (TC 86)

86A/2568/FDIS, IEC 60794-1-133 ED1: Optical fibre cables - Part 1-133: Generic specifications - Basic optical cable test procedures - Mechanical test methods - Multiple cable coiling and uncoiling performance, Method E33, 05/30/2025

Fluids for electrotechnical applications (TC 10)

10/1261/CDV, IEC 63585 ED1: Interpretation of Dissolved Gas Analysis in natural and synthetic esters, 07/11/2025

Fuel Cell Technologies (TC 105)

105/1114/FDIS, IEC 62282-3-201 ED3: Fuel cell technologies - Part 3-201: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems, 05/30/2025

105/1113(F)/FDIS, IEC 63341-3 ED1: Railway applications - Fuel cell systems for rolling stock - Part 3: Performance test methods for fuel cell power system, 05/09/2025

Lamps and related equipment (TC 34)

34/1315/CD, IEC 61547 ED4: Equipment for general lighting purposes - EMC immunity requirements, 07/11/2025

Piezoelectric and dielectric devices for frequency control and selection (TC 49)

49/1506/FDIS, IEC 60122-2 ED3: Quartz crystal units of assessed quality - Part 2: Guidelines for the use, 05/30/2025

49/1494/CDV, IEC 63041-1 ED3: Piezoelectric sensors - Part 1: Generic specifications, 07/11/2025

49/1495/CDV, IEC 63041-3 ED2: Piezoelectric sensors - Part 3: Physical sensors, 07/11/2025

49/1496/CDV, IEC 63541 ED1: Lithium tantalate and lithium niobate crystals for surface acoustic wave (SAW) device applications - Specifications and measuring methods, 07/11/2025

Power electronics (TC 22)

22F/823/DTR, IEC TR 63575 ED1: Performance of power electronic reactive power shunt compensators in high voltage alternating current (HVAC) systems, 06/13/2025

22F/822/CD, IEC TR 63604 ED1: Performance of power electronics transformer for flexible transmission and distribution systems, 06/13/2025

Power system control and associated communications (TC 57)

57/2773/FDIS, IEC 62488-1 ED2: Power line communication systems for power utility applications - Part 1: Planning of analogue and digital power line carrier systems operating over HV electricity grids, 05/30/2025

Solar photovoltaic energy systems (TC 82)

82/2407/CD, IEC 60904-8 ED4: Photovoltaic devices - Part 8: Measurement of spectral responsivity of a photovoltaic (PV) device, 06/13/2025

82/2408/DTS, IEC TS 62257-301 ED1: Renewable energy off-grid systems - Part 301: Generators - Integration of solar with other forms of power generation within hybrid power systems, 06/13/2025

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

121B/213/CDV, IEC 61439-8 ED1: Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations, 06/13/2025

(TC)

CIS/D/507/FDIS, CISPR 12 ED7: Vehicles, boats and devices with internal combustion engines or traction batteries - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers, 05/30/2025

(TC 128)

128/59/DTS, IEC TS 63527 ED1: Safe management and operation of electrical installations, 06/13/2025

Wearable electronic devices and technologies (TC 124)

124/323/NP, PNW 124-323 ED1: Information Technology-Telecommunications and information exchange between systems - Wearable suit area network (WSAN), 07/11/2025

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC25/3318/CD, ISO/IEC 14543-5-105 ED1: Information technology - Home Electronic System (HES) architecture - Part 5 -105: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - RA server-based smart lock application - Test and verification, 06/13/2025

JTC1-SC25/3317/CD, ISO/IEC 24383 ED1: Information technology - Generic cabling - Physical network security for the accommodation of customer premises cabling infrastructure and information technology equipment, 06/13/2025

Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers).

ISO Standards

Agricultural food products (TC 34)

ISO 1003:2025, Spices and condiments - Whole/pieces and ground dried ginger (Zingiber officinale Roscoe) - Specification, $84.00

Anaesthetic and respiratory equipment (TC 121)

ISO 19223-2:2025, Lung ventilators and related equipment - Vocabulary and semantics - Part 2: High frequency and jet ventilation, $127.00

Cryogenic vessels (TC 220)

ISO 21013-2:2025, Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 2: Non-reclosable pressure-relief devices, $56.00

Textiles (TC 38)

ISO 9073-5:2025, Nonwovens - Test methods - Part 5: Determination of resistance to mechanical penetration (ball burst procedure), $84.00

ISO Technical Specifications

Natural gas (TC 193)

ISO/TS 26762:2025, Design and operation of allocation systems used in gas productions facilities, $287.00

Railway applications (TC 269)

ISO/TS 18973:2025, Railway infrastructure - Rail fastening systems - Two directional test method for resistance to repeated loading, $201.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 23951:2025, Information technology - Cloud computing - Best practices for using the cloud service level agreement (SLA) metric model, $201.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29794-5:2025, Information technology - Biometric sample quality - Part 5: Face image data, $259.00

ISO/IEC 14496-32:2025, Information technology - Coding of audio-visual objects - Part 32: File format reference software and conformance, $172.00

IEC Standards

All-or-nothing electrical relays (TC 94)

IEC 63522-9 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 9: Climatic tests, $52.00

IEC 63522-32 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 32: Acoustic noise, $52.00

IEC 63522-40 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 40: Short circuit testing, $52.00

Electric road vehicles and electric industrial trucks (TC 69)

IEC 63380-1 Ed. 1.0 b:2025, Standard interface for connecting charging stations to local energy management systems - Part 1: General requirements, use cases and abstract messages , $580.00

High-voltage testing techniques (TC 42)

IEC 60060-1 Ed. 4.0 b:2025, High-voltage test techniques - Part 1: General terminology and test requirements, $470.00

IEC 60060-2 Ed. 4.0 b:2025, High-voltage test techniques - Part 2: Measuring systems, $496.00

S+ IEC 60060-1 Ed. 4.0 en:2025 (Redline version), High-voltage test techniques - Part 1: General terminology and test requirements, $800.00

S+ IEC 60060-2 Ed. 4.0 en:2025 (Redline version), High-voltage test techniques - Part 2: Measuring systems, $844.00

Industrial-process measurement and control (TC 65)

IEC 63270-1 Ed. 1.0 b:2025, Predictive maintenance of industrial automation equipment and systems - Part 1: General requirements, $361.00

IEC 61987-41 Ed. 1.0 b:2025, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 41: Lists of properties (LOPs) of process analysers for electronic data exchange - Generic structures, $200.00

U.S. Technical Advisory Groups

ECCMA – Code Management Association

Combined U.S. TAG to ISO/TC 184, ISO/TC 184/SC 4 and ISO/TC 184/SC 5

Meeting Date: 2025-04-28, 9:00am-11:00am US Eastern

The ANSI Accredited U.S. Technical Advisory Group (U.S. TAG) to the Combined U.S. TAG to ISO/TC 184 – *Automation systems and integration*; ISO/TC 184/SC 4 – *Industrial data*; and ISO/TC 184/SC 5 – *Interoperability, integration, and architectures for enterprise systems and automation application* has announced a meeting on 2025-04-28, 9:00am-11:00am US Eastern. To learn more about the U.S. TAG and these committees, including upcoming events, please visit https://eccma.org/ustagmembership/

For more information or to participate, please contact the U.S. TAG Administrator, ECCMA, Sheron Koshy, sheron.koshy@eccma.org

International Electrotechnical Commission (IEC)

USNC Technical Advisory Group (TAG) Technical Advisor Needed

USNC TAG to IEC/SC 23A

Respond by: May 23, 2025

The USNC TAG to IEC/SC 23A is looking for a new Technical Advisor.

If individuals are interested in the USNC TAG Technical Advisor role for the USNC TAG to IEC/SC 23A, they are invited to contact Betty Barro at bbarro@ansi.org by Friday May 23rd, 2025.

Please see the scope for **the IEC/SC 23A** below:

Scope: **SC 23A - Cable management systems**

To prepare international standards for products and systems used for the management of all types of cables, information and communication lines, electrical power distribution conductors and associated accessories. Management includes support and/or containment and/or retention and/or protection against external influences.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 8/SC 25 – Maritime GHG reduction

Reply Deadline: May 2, 2025

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 8/SC 25 – *Maritime GHG reduction*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 8/SC 25 to the U.S. Coast Guard (USCG). The USCG has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 8/SC 25 operates under the following scope:

Standardization of ship GHG assessment and documentation procedures; bunkering and/or charging operations associated, and on-dock power generation.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 8/SC 25. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 8/SC 25 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity **by Friday, May 2, 2025**, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

BSR/ASHRAE/ASHE Addendum w
to ANSI/ASHRAE/ASHE Standard 170-2021

Public Review Draft

Proposed Addendum w to Standard 170-2021, Ventilation of Health Care Facilities

First Public Review (April 2025)
(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.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

(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

Bronchoscopy procedures are performed in many locations depending on clinical need, which may mean that they are not performed under ventilation conditions currently specified in ASHRAE/ASHE 170 (i.e., for patients in an ICU setting who cannot be moved or in an operating room as needed by a patient undergoing surgery). The listing in ASHRAE/ASHE 170 should specify the minimum requirements for ventilation provided in a room designed as a dedicated space for performing bronchoscopies (and/or other procedures such as endoscopy, which may be performed in a negative pressure environment). This addendum adds the word "room" after Bronchoscopy in the Tables 7-1 and 8-1, as well as where rooms for bronchoscopy are mentioned in the text. Additionally, reference to bronchoscopy rooms was removed from footnote p for Tables 7-1 and 8-1, as it was deemed unnecessary.

Sputum collection and pentamidine administration are currently included on the same line as bronchoscopy in Table 7-1. These cough-inducing or aerosol-generating procedures, as indicated by FGI, require ventilation precautions for patients that may have infectious Mycobacterium tuberculosis*. Healthcare facilities do not typically design spaces or rooms dedicated to either of these procedures. Prior to sputum collection, facilities should operationalize administrative, environmental, and respiratory-protection controls for inpatient settings in which patients with suspected or confirmed infectious TB disease are expected to be encountered per CDC Guidelines[1]; primary environmental controls using source control (e.g., hoods, tents, or booths) with local exhaust are preferrable to secondary controls such as using a specially designed room (e.g., AII room). Pentamidine administration is no longer common, but when it is used, CDC Guidelines[1] indicate screening protocols for TB and alternate treatment. This addendum removes "sputum collection and pentamidine administration" from tables and text and modifies Bronchoscopy Room notes to indicate that local exhaust be provided for sputum collection for patients with suspected or confirmed tuberculosis.*

Due to equivalency in ventilation specifications for airborne infection control, AII rooms and Bronchoscopy rooms require a dedicated exhaust stream (i.e., AII Room Air Exhausted Directly to Outdoors), which can be shared among these room types. This proposed addendum adds language to indicate that the Exception to 6.3.2.2(a) for HEPA filtration applies to both of these airborne infection control room types, not just AII rooms.

[1]Centers for Disease Control and Prevention. Guidelines for preventing the transmission of Mycobacterium tuberculosis in health-care facilities, 2005. MMWR 2005;54 (No. RR-17).

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

Addendum w to 170-2021

Revise Section 6.3.2 as shown.

6.3.2 Exhaust Discharges

6.3.2.1 General. Exhaust discharge outlets that discharge air from AII rooms, bronchoscopy rooms, ~~and sputum collection and pentamidine administration~~, emergency department public waiting areas, nuclear medicine hot labs, radiology waiting rooms programmed to hold patients who are waiting for chest x-rays for diagnosis of respiratory disease, pharmacy hazardous-drug exhausted enclosures, and laboratory work area chemical fume hoods shall

a. be designed so that all ductwork within the building is under negative pressure.

Exception to 6.3.2.1(a): Ductwork located within mechanical equipment rooms. Positive- pressure exhaust ductwork located within mechanical equipment rooms shall be sealed in accordance with SMACNA duct leakage Seal Class A[2].

b. be located such that they reduce the potential for the recirculation of exhausted air back into the building.

6.3.2.2 Additional Requirements

a. Exhaust discharge outlets from AII rooms, bronchoscopy rooms, ~~and sputum collection exhaust,~~ pharmacy hazardous-drug exhausted enclosures, and laboratory work area chemical fume hoods shall additionally be arranged to discharge to the atmosphere in a vertical direction (with no rain cap or other device to impede the vertical momentum) and meet the following:

1. A discharge termination shall be a minimum of 10 ft (3 m) above service access level.

2. Discharge termination shall be higher than any roof surface within 4 ft (1.2 m).

3. Discharge termination shall be a minimum of 6 ft (1.8 m) from exterior walls.

4. Discharge termination shall be a minimum of 30 ft (10 m) from outdoor air intakes, openable windows/doors, and areas that are normally accessible to the public.

Exception to 6.3.2.2(a):

1. AII room and bronchoscopy room exhaust that first passes through a high-efficiency particulate air (HEPA) filter.

2. If permitted by the AHJ, an alternate location may be used (Informative Note: e.g., located adjacent to an air intake but with the exhaust discharge point above the top of the air intake). The submitted re-entrainment analysis shall demonstrate that an exhaust discharge outlet located at a distance less than 30 ft (10 m) horizontally provides a lower concentration of re-entrainment than all the areas located at a distance greater than 30 ft (10 m) horizontally on the roof level where the exhaust discharge is located.

Revise Section 6.8.3 as shown.

6.8 Energy Recovery Systems

6.8.3 Energy Recovery Systems with Leakage Potential. If energy recovery systems with leakage potential are used, they shall be arranged to minimize the potential to transfer exhaust air directly back into the supply airstream. Energy recovery systems with leakage potential shall be designed to have no more than 5% of the total supply airstream consisting of exhaust air. Energy recovery systems with leakage potential shall not be used from these exhaust air- stream sources: emergency department waiting rooms, triage, emergency department decontamination, radiology waiting rooms, darkroom, bronchoscopy rooms, ~~sputum collection and pentamidine administration,~~ laboratory fume hood and other directly ducted laboratory equipment exhaust, waste anesthesia gas disposal, autopsy, nonrefrigerated body holding, endoscope cleaning, central medical and surgical supply soiled or decontamination room, laundry general, hazardous

material storage, dialyzer reprocessing room, nuclear medicine hot lab, nuclear medicine treatment room, and any other space identified by the AHJ or the infection control risk assessment (ICRA) team.

Revise Table 7-1 Design Parameters – Inpatient Spaces as shown.

Function of Space (ee)
DIAGNOSTIC AND TREATMENT
Bronchoscopy room, ~~sputum collection, and pentamidine administration~~ *(FGI 2.2–3.9.2)* (n), (x)

Revise Normative Notes for Table 7-1 as shown.

p. ~~Treatment rooms used for bronchoscopy shall be treated as bronchoscopy rooms.~~ Treatment rooms used for procedures with nitrous oxide shall contain provisions for exhausting anesthetic waste gases.

x. If the planned space is designated in the organization's operational plan to be used for both bronchoscopy and gastrointestinal endoscopy, the design parameters for "bronchoscopy room~~, sputum collection, and pentamidine administration~~" shall be used.

Revise Section 7.2.1 as shown.

7.2 Additional Room-Specific Requirements

7.2.1 Airborne Infection Isolation (AII) Rooms.

…

b. All exhaust air from the AII rooms, associated anterooms, and associated toilet rooms shall be discharged by one of the following methods:

1. Discharged directly to the outdoors mixing only with exhaust from other spaces designed for airborne infection control (e.g., AII rooms, bronchoscopy rooms, emergency department waiting areas). Air shall not be mixed ~~without mixing~~ with exhaust air from any other non-~~AII~~ airborne infection control room or general exhaust system.
2. Discharged into the general exhaust stream, provided the AII exhaust air first passes through a HEPA filter. The HEPA filter, including ductwork and fans, shall be under negative pressure (suction side) for any supplemental fan used to account for filter pressure drop, and all exhaust ductwork shall be kept under negative pressure in accordance with Section 6.3.2.1. (Informative Note: If fans are used/needed due to static pressure drop of HEPA filtration, consideration should be given to the fan operation being inter- locked with the general exhaust system fan. Alarms for filter loading and fan failure should be considered.)

Revise Section 7.3.1 as shown.

7.3 Support Spaces

7.3.1 Bronchoscopy Room

a. Differential pressure between bronchoscopy room ~~procedure and sputum induction rooms~~ and any adjacent spaces that have other functions shall be a minimum of –0.01 in. of water (–2.5Pa).

~~b. Local exhaust shall be provided for sputum collection procedures.~~

Revise Table 8-1 Design Parameters – Specialized Outpatient Spaces as shown.

DIAGNOSTIC AND TREATMENT
…
Bronchoscopy room *(FGI 2.1–3.2.2.1)* (n) (x)

Revise Normative Notes for Table 8-1 as shown.

h. If the planned space is designated in the organization's operational plan to be used for both bronchoscopy and gastrointestinal endoscopy, the design parameters for "bronchoscopy room, ~~sputum collection, and pentamidine administration~~" shall be used.

…

p. ~~Treatment or procedure rooms used for bronchoscopy shall be treated as bronchoscopy rooms.~~ Treatment or procedure rooms used for procedures with nitrous oxide shall contain provisions for exhausting anesthetic waste gases.

Revise Section 8.2.1 as shown.

8.2 General Outpatient Facility Requirements.

8.2.1 Bronchoscopy Room

a. Differential pressure between bronchoscopy room ~~procedure and sputum induction rooms~~ and any adjacent spaces that have other functions shall be a minimum of –0.01 in. of water (–2.5 Pa).

~~b. Local exhaust shall be provided for sputum collection procedures~~

BSR/ASHRAE/IES Addendum a
to ANSI/ASHRAE/IES Standard 90.2-2024

Public Review Draft

Proposed Addendum a to Standard 90.2-2024, High-Performance Energy Design of Residential Buildings

First Public Review (April 2025)
(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.
The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

(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

This addendum introduces energy monitoring requirements to this standard, aligning it with similar provisions found in commercial energy standards and codes such as ASHRAE 90.1 and IECC. ASHRAE 90.2 should include energy monitoring requirements to maintain its position as a leading residential energy performance standard.

Energy monitoring provides several benefits for occupants:

- *It allows them to view energy usage before receiving their energy bill, enabling proactive measures to address any issues and avoid unexpected charges.*
- *It helps in identifying and reducing unnecessary energy consumption, leading to cost savings.*
- *It promotes energy awareness and encourages more efficient energy use habits.*

The proposal sets a threshold for energy monitoring at larger than 2,300 square feet of conditioned floor area. This size is chosen because larger homes typically consume more energy, and 2,300 square feet is the average size of a single-family home in the U.S. (source: Median home size in the U.S. 2000-2022 | Statista).

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

Addendum a to 90.2-2024

Modify the standard as follows (IP and SI Units)

7.6 Other Systems
[…]

7.6.8 Energy Monitoring. Energy monitoring devices shall be installed in new *dwelling units* larger than 2,300 square feet of *conditioned floor area* to monitor at least two of the following separate *energy* load types:

a. Permanently installed heating
b. Permanently installed cooling
c. Permanently installed interior general lighting
d. Permanently installed exterior general lighting

e. Refrigeration
f. Clothes drying
g. Dishwashing
h. Cooking
i. Water heating
j. EV charging

The monitored load types (a through j) shall be allowed to include up to 10% of related or unrelated loads.

7.6.8.1 Recording and Reporting. The *energy* use for all loads monitored to comply with Section 7.6.8 shall be recorded a minimum of every 30 minutes and reported at least hourly, daily, monthly, and annually. *Energy* use data shall be graphically displayed on an app or somewhere within the *dwelling unit*. The data shall be maintained for a minimum of 36 months.

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

Public Review Draft

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

First Public Review (April 2025)
(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.
The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

(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

This addendum updates the Building Performance Factors (BPFs) that are used for determining compliance with Appendix G (see section 4.2.1.1). The BPFs represent the regulated energy savings of a design minimally compliant with the current edition of Standard 90.1 compared to design compliant with Appendix G PRM baseline requirements. The BPFs are updated each cycle to align with changes made to the prescriptive and mandatory requirements of the Standard as quantified by energy simulation using prototype building models approved by SSPC 90.1 (https://www.energycodes.gov/prototype-building-models).

Cost effectiveness
This addendum impacts an optional performance path in the Standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

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

Addendum ci to 90.1-2022

Revise Table 4.2.1.1 as follows:

Table 4.2.1.1 Building Performance Factor (BPF)

~~Building Area Type~~	~~Climate Zone~~																	
	~~0A~~	~~0B~~	~~1A~~	~~1B~~	~~2A~~	~~2B~~	~~3A~~	~~3B~~	~~3C~~	~~4A~~	~~4B~~	~~4C~~	~~5A~~	~~5B~~	~~5C~~	~~6A~~	~~6B~~	~~7~~	~~8~~
~~Multifamily~~	~~0.69~~	~~0.68~~	~~0.71~~	~~0.70~~	~~0.72~~	~~0.72~~	~~0.71~~	~~0.76~~	~~0.63~~	~~0.69~~	~~0.76~~	~~0.71~~	~~0.66~~	~~0.72~~	~~0.71~~	~~0.65~~	~~0.67~~	~~0.65~~	~~0.67~~
~~Healthcare/hospital~~	~~0.69~~	~~0.69~~	~~0.70~~	~~0.68~~	~~0.67~~	~~0.65~~	~~0.65~~	~~0.66~~	~~0.64~~	~~0.64~~	~~0.66~~	~~0.63~~	~~0.67~~	~~0.65~~	~~0.65~~	~~0.66~~	~~0.67~~	~~0.68~~	~~0.70~~
~~Hotel/motel~~	~~0.66~~	~~0.66~~	~~0.69~~	~~0.65~~	~~0.65~~	~~0.64~~	~~0.64~~	~~0.65~~	~~0.65~~	~~0.63~~	~~0.65~~	~~0.63~~	~~0.62~~	~~0.63~~	~~0.62~~	~~0.61~~	~~0.62~~	~~0.59~~	~~0.58~~
~~Office~~	~~0.54~~	~~0.54~~	~~0.53~~	~~0.52~~	~~0.52~~	~~0.52~~	~~0.50~~	~~0.54~~	~~0.48~~	~~0.48~~	~~0.53~~	~~0.48~~	~~0.49~~	~~0.52~~	~~0.48~~	~~0.48~~	~~0.49~~	~~0.46~~	~~0.48~~
~~Restaurant~~	~~0.62~~	~~0.59~~	~~0.57~~	~~0.57~~	~~0.57~~	~~0.53~~	~~0.57~~	~~0.53~~	~~0.51~~	~~0.55~~	~~0.54~~	~~0.54~~	~~0.57~~	~~0.56~~	~~0.55~~	~~0.59~~	~~0.58~~	~~0.61~~	~~0.64~~
~~Retail~~	~~0.51~~	~~0.49~~	~~0.48~~	~~0.48~~	~~0.44~~	~~0.43~~	~~0.43~~	~~0.43~~	~~0.44~~	~~0.42~~	~~0.43~~	~~0.46~~	~~0.43~~	~~0.42~~	~~0.47~~	~~0.43~~	~~0.43~~	~~0.41~~	~~0.44~~
~~School~~	~~0.52~~	~~0.57~~	~~0.57~~	~~0.56~~	~~0.52~~	~~0.53~~	~~0.52~~	~~0.49~~	~~0.50~~	~~0.46~~	~~0.47~~	~~0.47~~	~~0.47~~	~~0.46~~	~~0.46~~	~~0.46~~	~~0.44~~	~~0.45~~	~~0.45~~
~~Warehouse~~	~~0.26~~	~~0.26~~	~~0.22~~	~~0.25~~	~~0.21~~	~~0.22~~	~~0.25~~	~~0.21~~	~~0.19~~	~~0.25~~	~~0.22~~	~~0.22~~	~~0.28~~	~~0.24~~	~~0.22~~	~~0.31~~	~~0.28~~	~~0.29~~	~~0.32~~
~~All others~~	~~0.62~~	~~0.60~~	~~0.62~~	~~0.59~~	~~0.55~~	~~0.51~~	~~0.53~~	~~0.52~~	~~0.55~~	~~0.53~~	~~0.52~~	~~0.55~~	~~0.53~~	~~0.53~~	~~0.56~~	~~0.54~~	~~0.54~~	~~0.54~~	~~0.54~~

Building Area Type	Climate Zone																		
	0A	0B	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Multifamily	0.61	0.56	0.59	0.56	0.58	0.58	0.58	0.58	0.44	0.55	0.57	0.54	0.53	0.55	0.55	0.53	0.53	0.53	0.59
Healthcare/hospital	0.60	0.58	0.59	0.60	0.60	0.60	0.58	0.60	0.56	0.55	0.58	0.55	0.56	0.55	0.57	0.56	0.57	0.57	0.59
Hotel/motel	0.59	0.57	0.58	0.56	0.56	0.54	0.54	0.55	0.54	0.52	0.52	0.52	0.52	0.51	0.52	0.52	0.52	0.52	0.52
Office	0.48	0.47	0.46	0.47	0.42	0.45	0.41	0.45	0.39	0.40	0.43	0.40	0.41	0.43	0.41	0.42	0.42	0.40	0.43
Restaurant	0.58	0.55	0.56	0.55	0.55	0.54	0.59	0.55	0.53	0.59	0.56	0.58	0.62	0.59	0.61	0.63	0.60	0.65	0.69
Retail	0.42	0.42	0.39	0.41	0.35	0.36	0.34	0.34	0.34	0.35	0.36	0.37	0.38	0.37	0.38	0.37	0.37	0.38	0.42
School	0.44	0.45	0.43	0.45	0.41	0.44	0.44	0.40	0.37	0.37	0.38	0.38	0.38	0.39	0.38	0.38	0.37	0.39	0.42
Warehouse	0.24	0.26	0.22	0.24	0.20	0.22	0.24	0.21	0.18	0.24	0.21	0.22	0.28	0.24	0.22	0.31	0.28	0.29	0.32
All others	0.53	0.52	0.50	0.51	0.44	0.43	0.44	0.43	0.42	0.44	0.42	0.44	0.43	0.43	0.46	0.44	0.44	0.46	0.48

1.3 Standard laboratory ambient conditions

Unless otherwise specified, all testing and measurements shall be conducted within the following ambient conditions:

- Temperature: 15 °C to 35 °C,
- Atmospheric pressure: 650 millimeters of mercury to 800 millimeters of mercury,
- Relative humidity: 80% maximum, except for US Department of Defense qualifications, the ambient relative humidity shall be 20% to 80%.

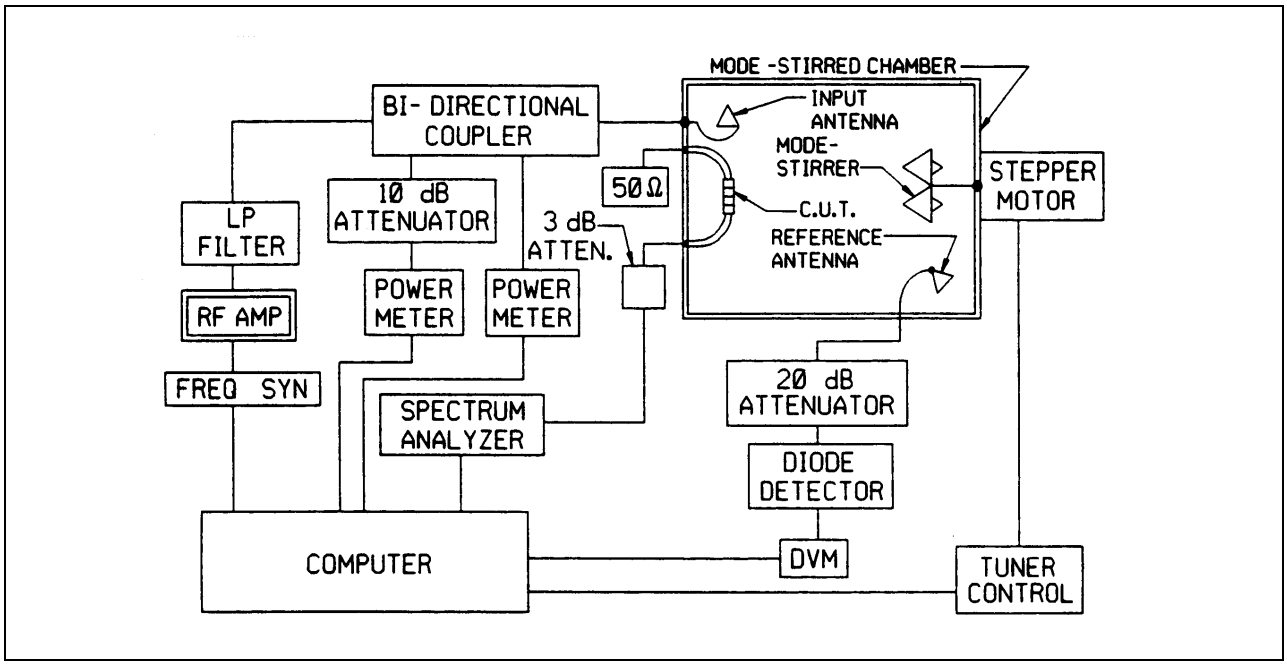

Figure 1 – Mode stirred shielding effectiveness measurement system

2 Test resources

2.1 Equipment

The essential test equipment and components required for an automated mode-stirred shielding effectiveness measurement system are shown in figure 1. The desired performance criteria for each primary item are summarized in annex C.

2.1.1 Test chamber

2.1.1.1 Mode-stirred shielded enclosure

2.1.1.1.1 Details of recommended test chamber design and construction are given in annex A, together with a description of the mode-tuner and the ridged horn antennas.

2.1.1.1.2 The minimum of any chamber internal dimension shall be greater than three wavelengths at the lowest test frequency. For optimum chamber performance at the lower frequencies, the volume of the chamber should be as large (with respect to a wavelength) as possible. The ratio of the squares of the chamber's linear dimensions should be as non-rational as possible. [1)] The test chamber is described further in annex A.

2.1.1.1.3 The chamber should have a shielding effectiveness of at least 100 dB as measured by MIL-STD-285. This level of shielding will enable the measurement of CUT shielding effectiveness levels of greater than 100 dB. As a minimum, the test chamber and the test instrumentation shall have a combined shielding effectiveness at each test frequency that is 10 dB greater than the minimum shielding requirements of the CUT.

2.1.1.2 Mode-tuner

The mode-tuner should be large with respect to a wavelength and be bent at angles to the walls of the chamber. The tuner should be at least two wavelengths from tip to tip at the lowest test frequency. The mode-tuner is further described in annex B.

2.1.1.3 Antennas

The input and reference horn antennas should be placed in different corners of the chamber and located so that they face into the corners. This orientation will minimize possible direct-path coupling from the input antenna to the reference antenna or to the CUT. The preferred relative placement of the antennas and the CUT within the test chamber are shown in figure 1.

2.1.2 Input power monitoring

The incident-signal power meter, see figure 1, is used to monitor the level and stability of the incident power to the input antenna. The reflected power meter enables the determination of the new input power to the chamber.

2.1.3 VSWR of components and cables

2.1.3.1 The individual components of the measurement system should be of good quality, with an input and output VSWR of 1.3:1 or less. This applies especially to all components, cables, and instrumentation in the signal paths from both the reference antenna and the CUT assembly. This precaution will minimize the magnitude of mismatch uncertainties, and facilitate measurement error analysis; see annex D for further discussion on corrections for mismatch errors.

2.1.3.2 The range of mismatch uncertainty in dB can be found from the following:

Maximum mismatch loss = $-10 \log [1 - (|\Gamma_S| + |\Gamma_L|)^2]$ (dB)

Minimum mismatch loss = $-10 \log [1 - (|\Gamma_S| - |\Gamma_L|)^2]$ (dB)

where:

Γ_S = Reflection coefficient of the source (reference antenna or CUT)

Γ_L = Reflection coefficient of the load (detector or receiver/spectrum analyzer)

The magnitudes, $| \Gamma_S |$ and $| \Gamma_L |$ can be obtained from the appropriate VSWR by the equation:

$$\left|\Gamma_i\right| = \frac{VSWR - 1}{VSWR + 1}$$

where:

i = S or L

2.1.3.3 Cable and component losses

Characterize all cables, attenuators, directional couplers, and switches for VSWR and attenuation (or coupling factor) at each test frequency prior to beginning the test.

2.1.3.3.1 This data will be used to correct the measurement system readings of reference antenna and CUT output levels, and if desired, the input power to the test chamber. These corrections can be made part of the test program for an automated mode-stirred system.

NOTE — All individual data that is to be averaged later should be stored in units of power (milliwatts), not in dBm or other measurement units.

2.1.4 Alternative test equipment configuration

2.1.4.1 The method used in figure 1 to monitor the signal level from the reference antenna provides several advantages. The use of the calibrated attenuator/diode detector assembly enables simultaneous monitoring of both the reference and the CUT signals, reducing errors due to any drift in the rf source power level and decreases the required test time by one half.

2.1.4.2 The use of a switched input to the receiver/spectrum analyzer to enable monitoring the outputs of first the reference antenna, and then the CUT, may be used in lieu of a separate monitoring channel. This alternative test system configuration is shown in figure 2.

NOTE — The coaxial switch configuration used to switch between the reference antenna and the CUT shall provide a 50 ohm termination to the unused signal channel. The maximum crosstalk between inputs should be at least 10 dB greater than the difference between the two test signal levels.

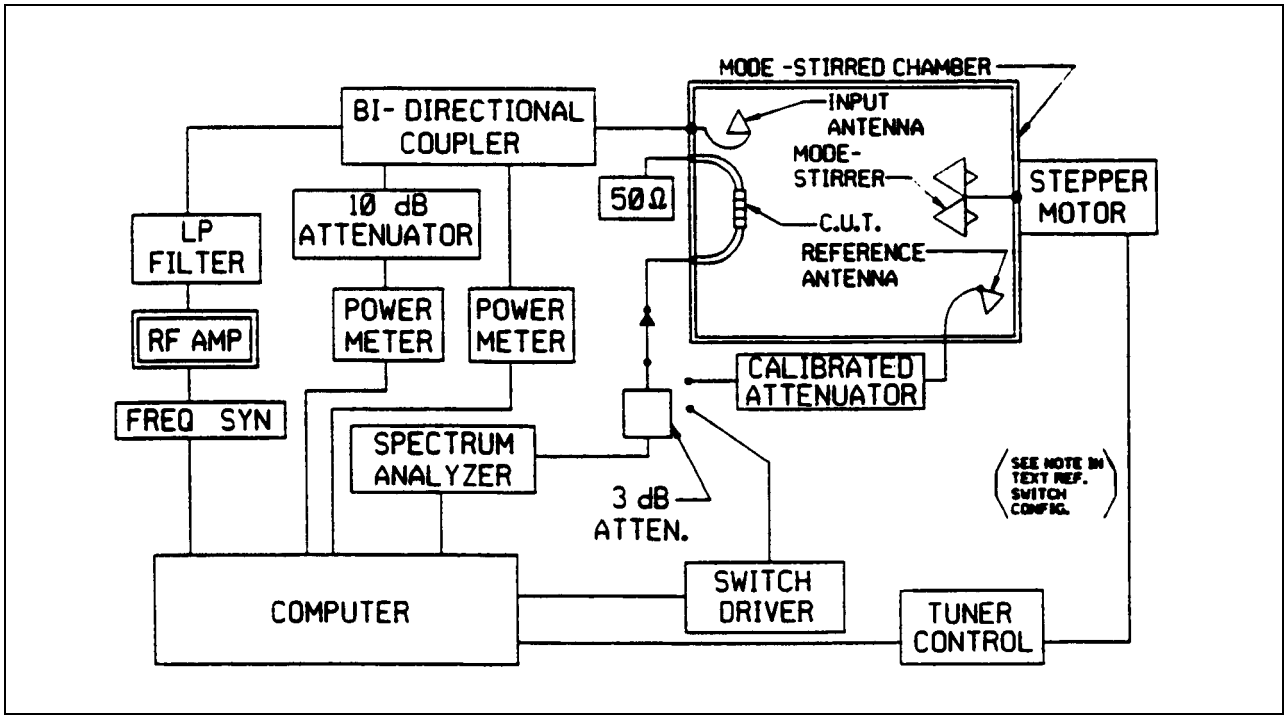

Figure 2 – Alternate test equipment configuration

1. INTRODUCTION

1.5 Normative References

ANSI Z535.3, *Criteria for Safety Symbols*

~~ASTM B 117, *Standard Practice for Operating Salt Spray (Fog) Apparatus*~~

EN 14491, *Dust Explosion Venting Protective Systems*

1.6 Definitions

Dust Class

The categorization of the deflagration rate of a combustible dust based on the dust reactivity, K_{st} ~~value~~, value measured in bar m/s, where: ~~K_{st} = 0 < ST1 ≤ 200 bar m/s < ST2 ≤ 300 bar m/s < ST3.~~

Dust Class	Minimum K_{st} (bar m/s)	Maximum K_{st} (bar m/s)
ST1	0	200
ST2	>200	300
ST3	>300	Maximum Specified

Dust, Fibrous

~~Because of their shape, it is possible that these types of dusts can cause additional clogging of explosion venting devices.~~

Dust, Low Melting Point

Dust particles with a melting temperature less than 500°F (260°C), e.g., plastics (PVC, PP, PE, nylon), ~~and~~ sugar. ~~Because of their low melting point, it is possible that melted material could cause additional clogging of explosion venting devices.~~

Dust, Metal

Dust particles consisting of metals, e.g., aluminum, magnesium, iron, zinc. ~~Because of their high heat of combustion (twice or more times that of ordinary organic materials) and flame temperature, these types of dusts can have a detrimental effect on the components of explosion venting devices.~~

Explosion Vent

A pressure relief device designed to activate at a pre-determined differential pressure caused by a combustible dust deflagration.

Explosion Venting Device

The combination of an explosion vent and its mounting frame arrangement (if applicable).

Flameless Explosion Venting Device

A type of explosion venting device that includes a flame arresting element to quench a vented explosion. ~~These devices can minimize~~ and minimize the external hazards that can be generated during venting, such as a flame jet, blast wave effects, ejection of burning particles, and potential external explosion of vented unburned explosive mixture.

Pressure Relief Valve

A ~~reusable, resealable~~reclosing pressure relief device designed to operate at a~~some~~ pre-determined ~~differential~~ inlet pressure.

Rupture Disc

A single-use, non-reclosing pressure relief device designed to activate~~fail~~ at a~~some~~ pre-determined differential pressure.

Static Operating Pressure

The nominal pressure at which an explosion venting device operates under ~~hydro~~static pressure.

3. GENERAL REQUIREMENTS

3.2.2 Materials

3.2.2.1 All components shall be made of materials suitably corrosion resistant for their intended use~~, as confirmed by successful performance when subjected to the requirements listed in Section 4.7 (Salt~~

~~Spray Corrosion Test).~~.

3.2.2.2 Any seals used in the devices shall be suitable for their intended use. ~~intended protected atmospheres.~~

3.3 Markings

3.3.1 Easily visible nameplates or other permanent markings shall be affixed to the explosion vent~~device~~, and shall display the following information at a minimum:

- lot number or other identifier unique to the specific individual product or batch of product, as applicable.

3.3.3 When hazard warnings are required, the markings should be universally recognizable, such as per ANSI Z535.3.~~.~~

3.4 Manufacturer's Design, Installation, Operation, and Maintenance Instructions

3.4.2 A design, installation, operation, and maintenance manual shall be provided with each explosion venting device or be made available upon request. A copy of the manual shall be provided to the certification agency as a reference prior to the examination and testing of the device~~system~~.

4. PERFORMANCE REQUIREMENTS

4.1 Standard Explosion Venting Device Performance Tests (Non-Reactive)

4.1.1 Requirement

The effective dynamic operating pressure and venting efficiency of the device shall be determined in order to verify the equipment ratings. Additionally, the average effective dynamic operating pressure that is determined shall be less than the nominal static deployment pressure of the vent plus 1.5 psi (0.1 bar) for devices rated up to 1.5 psi (0.1 bar), or ~~.~~the nominal static deployment pressure of the vent plus 50% of the nominal value for devices rated greater than 1.5 psi (0.1 bar).

4.1.2 Tests/Verification

Alternatively, these procedures may be performed using other test equipment, provided it meets the additional requirements detailed in Appendix E (Section E.1).

4.2 Flameless Explosion Venting Device Performance Tests (Reactive)

4.2.2 Tests/Verification

Alternatively, these procedures may be performed using other test equipment, provided it meets the additional requirements detailed in Appendix E (Section E.2).

4.2.2.1 Dust Ignition Time Delay

Unvented closed vessel dust explosion tests ~~Unsuppressed dust explosion tests~~ shall first be conducted in the selected vessel in order to determine the appropriate ignition time delay (between dust injection and ignition) such that the effective reactivity of the dust, K_{eff}, is within ± 10% of the upper limit of the desired reactivity class.

4.2.2.2 Vented Tests without Flame Arresting Element

(Par 17) The maximum value of K_{eff} obtained from Section 4.2.2.1 shall be recorded as the effective reactivity, $K_{eff,b}$. Exception: if there is a significant deviation of the rate of pressure rise prior to the deployment of the ~~burst disc~~explosion vent in either these tests or those performed according to Section 4.2.2.3, compared to the tests performed according to Section 4.2.2.1, the effective velocity, $u_{eff,b}$, shall be calculated instead using the following steps, as described in Chao & Dorofeev (2012):

4.3 Verification of Explosion Venting Device Ratings and Limits

4.3.2 Tests/Verification

Each explosion venting device shall be limited and/or rated as follows:

- For flameless explosion venting devices, applications shall be limited by the maximum reduced explosion pressure (p_{red}) achieved in the performance evaluation of the maximum device size tested, or the pressure achieved in the evaluation per Section 4.9 (Hydrostatic Pressure Test), whichever is lesser.
- The designed vent area, $A_{v,design}$, shall be calculated in accordance ~~to~~with standard vent-sizing correlations (such as FM Global DustCalc, NFPA 68, EN 14491, or VDI 3673), which link the maximum reduced pressure with the minimum vent area. These correlations shall be used with the understanding that each individual device provides the effective vent area $A_{v,eff}$.

4.5 Cycle Operation Test

4.5.1 Requirement

All devices having moving parts shall operate through a total of 500 cycles at the dynamic operating pressure without damage. This requirement does not apply to rupture discs~~ing devices~~. Following the test, the device shall exhibit no signs of damage, and shall continue to operate normally.

~~**4.7 Salt Spray Corrosion Test**~~

~~4.7.1 Requirement~~

~~Explosion venting devices shall withstand a 240 hour exposure to the test described in Section 4.7.2 without incurring damage that would impair function. Following the exposure period, the device shall meet the requirements of Section 4.4 (Leakage Test) and Section 4.6 (Static Operating Pressure Test).~~

~~4.7.2 Tests/Verification~~

~~Representative test samples shall be selected to represent all material combinations and configurations.~~
~~The samples shall be exposed to salt spray (fog) as specified by ASTM B117. The salt solution shall consist of 20 percent (by weight) of common salt (sodium chloride) dissolved in deionized water with a pH between 6.5 and 7.2 and a specific gravity between 1.126 and 1.157.~~
~~Following the exposure to the salt fog, the sample shall remain fully functional and exhibit no corrosion, galvanic action, loss of legibility of markings, or separation of protective coatings which would impair future functionality. Superficial discoloration with no substantial attack of the underlying material shall be acceptable. The device shall be subjected to the requirements of Section 4.4 (Valve Leakage Test) and Section 4.6 (Static Operating Pressure Test).~~

APPENDIX E: REQUIREMENTS FOR ALTERNATE TEST FACILITIES

E.1 Requirements for Standard Explosion Venting Device Performance Tests (Non-Reactive)

E.1.1 Vessel Specifications

E.1.1.1 Maximum Aspect Ratio

The explosion test vessel shall have a maximum length-to-diameter ratio (L/D) of less than 2.

E.1.1.2 Vessel Symmetry and Shape

The test vessel shall be symmetrical in shape, specifically either spherical or cylindrical.

E.1.2 Air Injection Specifications

E.1.2.1 Pressure Rate of Rise

The allowable rate of pressure rise varies with the vent panel area. The impulse (integral of pressure) generated by air injection, I, by the time the vessel reaches 1.5 psig (0.1 barg), shall be as follows:

$$I(\mathrm{Pa \cdot s}) \leq 756 \frac{\mathrm{Pa \cdot s}}{\mathrm{m}^{8/9}} A_v^{4/9}$$

$$I(\mathrm{psi \cdot ms}) \leq 38.1 \frac{\mathrm{psi \cdot ms}}{\mathrm{ft}^{8/9}} A_v^{4/9}$$

E.1.2.2 Minimum Vessel Pressure

The volume of air injected must be sufficiently large to increase the internal vessel pressure by 6 psig (0.4 barg) in a closed vessel test.

E.1.2.3 Continuous Discharge

The air injection process must be continuous, with no change in obstruction or flow restrictions after injection begins.

E.1.2.4 Air Injection Impingement

None of the air injection nozzles can directly impinge on the vent panel.

E.1.3 Instrumentation Specifications

E.1.3.1 Pressure Transducers

Three pressure transducers with a minimum measurement range of 0 to 150 psia (0 to 10.3 bara) shall be installed in the vessel to accurately measure the pressure histories during the test.

E.1.3.2 Air Injection Pressure

Pressure transducers shall also be installed on each air injector to measure the air injection pressure.

E.1.3.3 High-Speed Camera

A high-speed camera or an equivalent independent method (non-integral to the device) shall be used to capture the deployment pressure of the vent panel. The camera must be capable of recording at a minimum of 1000 frames per second to capture the rapid dynamics of vent deployment.

E.1.4 Limitations of Venting Device Size

E.1.4.1 Maximum Size

The maximum area of the explosion vent panel or burst disc that can be evaluated for a given vessel volume is specified as:

$$A_v(\mathrm{m}^2) = 0.137\ \mathrm{m}^{-1/4} \times V^{3/4}$$

$$A_v(\mathrm{ft}^2) = 0.101\ \mathrm{ft}^{-1/4} \times V^{3/4}$$

E.1.4.2 Minimum Size

The minimum area of the explosion vent panel or burst disc that can be evaluated is determined by the impulse generated by the air injection process.

E.1.5 Mounting Flange Specifications

E.1.5.1 Flange Length-to-Diameter Ratio

The length-to-diameter (L/D) ratio of the mounting flange shall not exceed 1.

E.1.5.2 Vent Area Limitations

The vent area shall not exceed the internal cross-section of any internal throats or reductions if an adapter flange is used.

E.2 Requirements for Flameless Explosion Venting Device Performance Tests (Reactive)

E.2.1 Vessel Specifications

E.2.1.1 Maximum Aspect Ratio

The explosion test vessel shall have a maximum length-to-diameter ratio (L/D) of less than 2.

E.2.1.2 Vessel Symmetry

The test vessel shall be symmetrical in shape, specifically either spherical or cylindrical.

E.2.1.3 Vessel Strength

The vessel must have a pressure rating that can safely accommodate the maximum pressures achieved during a closed vessel explosion test for the dusts and dust injection system used.

E.2.2 Reactivity Parameters Specifications

The ignition delay of the test setup shall be calibrated to match the effective reactivity (K_{eff}) through constant volume explosion testing.

E.2.3 Dust Injection Specifications

E.2.3.1 Complete Injection of Dust Prior to Ignition

The dust injection setup must demonstrate that all dust is fully injected into the vessel prior to ignition to ensure the target dust loading is achieved.

E.2.3.2 Uniform Dust Distribution

The dust injection system must provide uniform distribution of dust throughout the enclosure.

E.2.4 Ignition Specifications

E.2.4.1 Chemical Ignitors

Two 5 kJ chemical ignitors shall be utilized for initiating the explosion.

E.2.4.2 Ignitor Location and Orientation

Ignitors shall be centrally located within the vessel and oriented radially outward in the direction of the minimum vessel diameter.

E.2.4.3 Rigid Ignitor Mounting

The ignitors shall be rigidly mounted to prevent any movement or misalignment prior to ignition.

E.2.5 Test Dust Specifications

E.2.5.1 Dust Drying and Moisture Measurement

The testing facility must have the capability to dry the dust and measure its moisture content accurately. This is critical for ensuring consistent and reproducible test conditions.

E.2.5.2 Specification of Dust Types

The specific types of dust to be used for standard, fibrous, and melting applications shall be clearly specified to ensure the tests are relevant to the intended applications.

E.2.6 Instrumentation Specifications

E.1.3.1 Pressure Transducers

Three pressure transducers with a minimum measurement range of 0 to 150 psi shall be installed in the vessel.

E.1.3.3 High-Speed Camera

A high-speed camera or an equivalent independent method (non-integral to the device) shall be used to capture the deployment pressure of the vent panel. The camera must be capable of recording at a minimum of 1000 frames per second to capture the rapid dynamics of vent deployment.

E.2.7 Limitations of Venting Device Size

E.2.7.1 Maximum Size

The maximum area of the explosion vent panel or burst disc that can be evaluated for a given vessel volume is specified as:

$$A_v(\mathrm{m}^2) = 0.137\ \mathrm{m}^{-1/4} \times V^{3/4}$$

$$A_v(\mathrm{ft}^2) = 0.101\ \mathrm{ft}^{-1/4} \times V^{3/4}$$

E.2.7.2 Minimum Size

The minimum area of the explosion vent panel or burst disc that can be evaluated for a given vessel volume is specified as:

$$A_v(\mathrm{m}^2) = 0.0371\ \mathrm{m}^{-1/4} \times V^{3/4}$$

$$A_v(\mathrm{ft}^2) = 0.0276\ \mathrm{ft}^{-1/4} \times V^{3/4}$$

Tracking Number 49i201r1
© 2025 NSF

Revision to NSF/ANSI 49 – 2024
Issue 201, Revision 1 (April 2025)

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

NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

-

Normative Annex 2

-

N-2.1 Method to verify fitness for use of potential direct inflow measurement devices

N-2.1.1 Calibrate the basic measuring portion of the device in a wind tunnel with National Institute of Standards and Technology (NIST) traceable calibration (i.e., for devices with removable hoods, calibrate the device without a hood installed and with the hood installed; for devices using thermal anemometer, calibrate the thermal anemometer). A pitot tube constructed according to the dimensions given in the *Industrial Ventilation Manual* is a primary standard and needs no other verification.

***Rationale**: this language is intended to alleviate the concern that DIM instruments are not currently calibrated under full operation conditions including flow calibration.*

Draft PDS-02 New Standard:

RESNET/ICC 1580: CO_2e Emissions Based on Metered Data, for Operational Ratings

No modifications to the draft PDS-01 Foreword:

Foreword:

Modify draft PDS-01 section 1. as follows:

1. Purpose:

The provisions of this standard provide requirements on how to estimate CO_2e, emissions from measured data on electricity and fuel consumption of a facility or organization. It is intended for the purposes of complying with standards on disclosure of emissions and of reducing emissions year after year using an Energy Management System such as that required by ISO 50001 and used in many utility-sponsored Strategic Energy Management programs. And it can be used in conjunction with Building Performance Standards that are in effect in many cities, as well as with Energy Star Portfolio Manager.

Modify draft PDS-01 section 2. as follows:

2. Scope:

This standard applies to any facility of any type that consumes electricity or other fuels. It supports emissions calculations that can be used in conjunction with calculations of the embodied emissions impacts of materials used in constructing residential buildings. It also supports compliance with the recommendations of ISO 50010, and with ISO 50001, which has been widely used for industrial facilities. ~~And it can be used in conjunction with Building Performance Standards that are in effect in many cities, as well as with Energy Star Portfolio Manager.~~

No modifications to the draft PDS-01 section 3. Definitions:

3. Definitions:

No modifications to section 4.1 or its subsections:

4.1. Emissions.

No modifications to draft PDS-01 section 4.2:

4.2 The CO_2e emission factors for electricity use shall be the levelized CO_2e combined combustion and pre-combustion, end-use emission rates having 100-year IPCC 6th Assessment Report Global Warming Potential as calculated using the 2023 Cambium database[1,2] for the Mid-case Scenario for the Long-Run Marginal month-hour CO_2e emission rates (lrmer_co2e) for the applicable Cambium Grid and Emission Assessment (GEA) region in accordance with the local ZIP Code using equation 4-2 with a starting year of 2024 and an ending year of 2031.[3,4,5]

$$LRMER_{levelized} = \frac{\sum_{t=0}^{n-1} \frac{LRMER_t}{(1+d)^t}}{\sum_{t=0}^{n-1} \frac{1}{(1+d)^t}} \quad \textbf{(Equation 4-2)}$$

where:

$LRMER_t$ = long-run marginal emission rate for year t

d = Real Social Discount Rate = 0.03

n = evaluation period in years = 8

Modify draft PDS-01 section 4.3 and renumber as follows:

4.3 *Real Social Discount Rate (SDR)* – Rate at which CO_2e emission rates are discounted over time. The SDR does not include the time value of money that is included in nominal discount rates used in financial assessments, which include the general inflation rate such that the nominal rate equals (1 + real rate) times (1 + inflation rate) – 1.

~~**4.3**~~ 4.4 Renewable Energy. Renewable energy shall be limited to sources that are not counted toward a renewable energy portfolio or toward a renewables acquisition goal of another organization, and comes from any combination of photovoltaic, geothermal energy (not including ground source heat pumps), or wind systems. ~~and that either produce thermal energy or produce electric power that rely on naturally-occurring, on-site resources that are not depleted as a result of their use, and whose direct or indirect emissions of *greenhouse gas*, other gases with adverse impacts on human health, water pollutants, or other toxic releases, and whose impacts on ecosystems are at least 90% lower than those of fossil fuels. Renewable energy sources off site shall be owned by the organization, or shall be leased for a 15-year or greater term. Renewable Energy Systems shall include, but are not limited to, solar energy systems, wind energy systems and biomass energy systems.~~ Renewable Energy shall not include renewable Energy Credits (RECs) for which the time of production and the grid into which they are supplied is not known. RECs associated with on-site and off-site

[1] (Normative Note) https://cambium.nrel.gov/

[2] (Normative Note) Gagnon, Pieter; Frazier, Will; Hale, Elaine, Cole, Wesley (2022): Long-run Marginal Emission Rates for Electricity - Workbooks for 2021 Cambium Data. National Renewable Energy Laboratory, Golden, CO. https://data.nrel.gov/submissions/183

[3] (Informative note) National Renewable Energy Laboratory (NREL) provides a spreadsheet tool for the calculation of levelized CO_2e emission rates that can be accessed at https://data.nrel.gov/submissions/183.

[4] (Informative Note) RESNET provides a spreadsheet of the hourly emission factors and ZIP code mappings that meet these criteria that can be accessed at https://www.resnet.us/wp-content/uploads/RESNET_2021_CO_2e_GEAdata.xlsx. [*To be developed*]

[5] (Informative Note) These Cambium CO_2e emission data are provided in units of kg/MWh.

renewable energy production used for estimating CO2e emissions shall be retained and retired on behalf of the project.

~~Renewable Energy shall be produced from systems that retire any RECs that they could generate.~~

Notes on Renewable Energy:

Note 1 ~~to entry~~: Geothermal energy that releases high levels of SO2 gases to the atmosphere does not qualify under this requirement.

Note 2 ~~to entry~~: Wood pellet or solid wood combustion does not qualify if the GHG emissions associated with producing the wood-derived fuels are not at least 90% lower than those from gas-fired generation.

Note 3: For additional information on Renewable Energy Credits (RECs), see:

EPA Overview of Renewable Energy Certificates

National Renewable Energy Laboratory (NREL) REC Resources

~~Renewable Energy Systems shall include, but are not limited to, solar energy systems, wind energy systems and biomass energy systems.~~

~~Renewable Energy shall not include renewable Energy Credits (REC's) for which the time of production and the grid into which they are supplied are not known. Renewable Energy shall be produced from systems that retire any RECs that they could generate.~~

No modifications to draft PDS-01 section 5.:

5. Normative References.

ANSI/RESNET/ICC 301-2022 "Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index" and ANSI approved Addenda. Residential Energy Services Network. Oceanside, CA.

ASHRAE 90.2-2024, "Energy-Efficient Design of Low-Rise Residential Buildings", American Society

BSR/UL 13, Standard for Safety for Power-Limited Circuit Cables

1. PLTC-ER Tag Marking Reference to the National Electrical Code (NEC)

PROPOSAL

48 Information on the Tag, Reel, or Carton

48.1 A tag on which the following information is indicated plainly (the sequence of the items is not specified) shall be tied to every shipping length of the finished cable. However, where the cable is wound on a reel or coiled in a carton, it is appropriate for the tag to be glued, tied, stapled, or otherwise attached to the reel or carton instead of to the cable, or for the tag to be eliminated and the information printed or stenciled directly onto the reel or carton. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 50.1 and 50.2 for date marking.

~~g) For a Type PLTC cable marked with the supplementary letters "-ER", the words "For use in accordance with the National Electrical Code Section 725.61 (D) (4)".~~

BSR/UL 719, Standard for Safety for Nonmetallic-Sheathed Cable

1. Editorial Changes to UL 719, Revised 5.13.1

PROPOSAL

5.13.1 ~~To crush~~ Finished flat cables containing two or three 14 AWG copper ~~or 12 AWG copper, or 12 or 10 AWG~~ aluminum or copper-clad aluminum circuit conductors with a grounding conductor, when tested in accordance with 7.12, shall show no dielectric breakdown after the crushing force is applied to the cable flatwise as indicated in 7.12.1 – 7.12.8.~~, and shall be:~~

~~a) An average of not less than 600 lbf or 2669 N or 272 kgf shall be needed when the crushing force is applied to the cable flatwise as indicated in 7.12.1.1 – 7.12.1.4, and No dielectric breakdown after the crushing force is applied to the cable flatwise as indicated in 7.12.1.1 – 7.12.1.7, and~~

~~b) An average of not less than 1200 lbf or 5338 N or 544 kgf shall be needed when the crushing force is applied to the cable edgewise as indicated in 7.12.2.1 – 7.12.2.5.~~

.

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

BSR/UL 2250, Standard for Safety for Instrumentation Tray Cable

1. ITC-ER References to the National Electrical Code (NEC)

PROPOSAL

1 Scope

1.1 These requirements cover Type ITC instrumentation control cables consisting of two or more current-carrying copper or thermocouple alloy conductors with or without either or both:

a) Grounding conductor(s), bare or insulated, and
b) One or more optical-fiber members, all under an overall jacket.

These electrical and composite electrical/optical-fiber cables are intended for use (optical and electrical functions associated in the case of a hybrid cable) on circuits rated 150 V or less and 5 A or less in accordance with Article ~~727~~335 and other applicable parts of the National Electrical Code (NEC).

43 Information on the Tag, Reel, or Carton

43.1 A tag on which the following information is indicated plainly (the sequence of the items is not specified) shall be tied to every shipping length of the finished cable. However, where the cable is wound on a reel or coiled in a carton, it is appropriate for the tag to be glued, tied, stapled, or otherwise attached to the reel or carton instead of to the cable, or for the tag to be eliminated and the information printed or stenciled directly onto the reel or carton. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 45.1 and 45.2 for date marking.

~~g) For a Type ITC cable marked with the supplementary letters "-ER", the words "For use in accordance with the National Electrical Code Section 727.4 (5)".~~