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Project Initiation Notification System (PINS)

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 185-202x, Standard for Proficiency Testing in Friction Ridge Examination (new standard)

Stakeholders: Forensic examiners, attorneys, judges, defendants, victims.

Project Need: Although participation in proficiency testing programs has been required for accredited laboratories, rigorous standards relating specifically to friction ridge examination were nonexistent. Further, existing standards did not address proficiency tests developed by FSPs or participation by non-accredited FSPs.

This standard ensures that FSPs participate in proficiency testing programs and select tests for which the necessary documentation is available to enable a third-party evaluation of the robustness of the test.

Interest Categories: Academics and researchers, general interest, jurisprudence and criminal justice, organizations, user - government, and user - non-government.

Scope: This standard sets minimum requirements for proficiency tests used to assess the personnel performance and the overall quality system of the Forensic Service Provider (FSP) related to friction ridge examination.

Included are requirements for the selection, development, validation, administration, evaluation and documentation of all proficiency tests regardless of source. This document does not address requirements related to the specific method(s) for conducting friction ridge examination, or for validation of novel methods prior to implementation.

AAAMI (Association for the Advancement of Medical Instrumentation)

Amanda Benedict; abenedict@aami.org | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAAMI/ISO 11137-1-202x, Sterilization of health care products - Radiation - Part 1: Requirements for the development, validation and routine control of a sterilization process for medical device (identical national adoption of ISO 11137-1 and revision of ANSI/AAAMI/ISO 11137-1-2006 (R2015))

Stakeholders: Medical device manufacturers, testing laboratories, contract sterilizers, regulatory agencies.

Project Need: The ISO standard is being revised so the identical national adoption will need to be updated to the new edition of the ISO standard.

Interest Categories: Industry, user, general interest, government/regulatory.

Scope: Specifies requirements for validation, process control and routine monitoring in the radiation sterilization for health care products. It applies to continuous and batch type gamma irradiators using the radionuclides 60 Co and 137 Cs, and to irradiators using a beam from an electron or x-ray generator.

AAMI (Association for the Advancement of Medical Instrumentation)

Amanda Benedict; abenedict@aami.org | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI/ISO 15223-2-202x, Medical devices - Symbols to be used with medical device labels, labelling, and information to be supplied - Part 2: Symbol development, selection and validation (identical national adoption of ISO 15223-2 and revision of ANSI/AAMI/ISO 15223-2-2016)

Stakeholders: Medical device manufacturers, testing labs, regulators.

Project Need: The ISO standard is being revised so the identical national adoption will need to be updated to the new edition of the ISO standard.

Interest Categories: Industry, user, general interest, government/regulatory.

Scope: Specifies a process for developing, registering, and validating symbols for use in the labeling of medical devices.

AAMI (Association for the Advancement of Medical Instrumentation)

Amanda Benedict; abenedict@aami.org | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI/ISO 20417-202x, Medical devices - Information to be supplied by the manufacturer (identical national adoption of ISO 20417:2021)

Stakeholders: Medical device manufacturers, testing labs, conformity assessment professionals, regulators.

Project Need: The standard is critical for medical device manufacturers and the ISO standard is recognized by the US FDA.

Interest Categories: Industry, general interest, government/regulatory.

Scope: Specifies the requirements for information supplied by the manufacturer for a medical device or by the manufacturer for an accessory, as defined in 3.1. This document includes the generally applicable requirements for identification and labels on a medical device or accessory, the packaging, marking of a medical device or accessory, and accompanying information.

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

Karl Best; kbest@ahrinet.org | 2311 Wilson Boulevard, Suite 400 | Arlington, VA 22201-3001 www.ahrinet.org

Revision

BSR/AHRI Standard 610-202x (SI/I-P), Performance Rating of Central System Humidifiers for Residential Applications (revision, redesignation and consolidation of ANSI/AHRI Standard 610 (I-P)-2014, ANSI/AHRI Standard 611 (SI)-2014)

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

Project Need: The purpose of this project is to consolidate AHRI Standard 611 into AHRI Standard 610 to create a joint unit SI/I-P document, and to revise the content.

Interest Categories: Component Manufacturer, General Interest, Product Manufacturer and Testing Laboratory

Scope: This standard applies to factory-made central system humidifiers, as defined in Section 3 of this standard. The purpose of this standard is to establish for residential central system humidifiers: Definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; symbols and conditions.

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

Karl Best; kbest@ahrinet.org | 2311 Wilson Boulevard, Suite 400 | Arlington, VA 22201-3001 www.ahrinet.org

Revision

BSR/AHRI Standard 620-202x (SI/I-P), Performance Rating of Self-Contained Humidifiers for Residential Applications (revision, redesignation and consolidation of ANSI/AHRI Standard 620 (I-P)-2014, ANSI/AHRI Standard 621 (SI)-2014)

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

Project Need: The purpose of this project is to consolidate AHRI Standard 621 into AHRI Standard 620 to create a joint unit SI/I-P document, and to revise the content.

Interest Categories: Component Manufacturer, General Interest, Product Manufacturer and Testing Laboratory

Scope: This standard applies to factory-made Self-contained Humidifiers for Residential Applications, as defined in Section 3. The purpose of this standard is to establish for self-contained humidifiers: Definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.

ALI (ASC A14) (American Ladder Institute)

Joe Zgrabik; jzgrabik@thomasamc.com | 330 N. Wabash Avenue, Suite 2000 | Chicago, IL 60611 www.americanladderinstitute.org

Revision

BSR A14.1-202x, Ladders - Wood - Safety Requirements (revision of ANSI A14.1-2018)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Incorporate updates and necessary changes.

Interest Categories: Association: Industry trade association. Independent Specialist: Individuals and organizations with technical expertise in the area of ladder design, use and safety practices. Manufacturer: Includes ladder manufacturers & component parts manufacturers. User: Includes individuals and organizations which are classed as users of ladders or users of the ladder standards.

Scope: This standard prescribes rules and establishes minimum requirements for the construction, testing, care, and use of the common types of portable wood ladders described herein in order to ensure safety under normal conditions of usage. The purpose of this standard is to provide reasonable safety for life, limb, and property. In order to develop an effective safety program, the standard may serve also as a basis for purchase requirements and for instructions in personnel training. It may also assist in the preparation of motivational/instructional material such as safety practices, manuals, posters, and the like. This standard is also intended to provide the manufacturer, purchaser, and user of wood ladders with a set of specifications and requirements against which a ladder may be compared.

ALI (ASC A14) (American Ladder Institute)

Joe Zgrabik; jzgrabik@thomasamc.com | 330 N. Wabash Avenue, Suite 2000 | Chicago, IL 60611 www.americanladderinstitute.org

Revision

BSR A14.2-202x, Ladders - Portable Metal - Safety Requirements (revision of ANSI A14.2-2017)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Incorporate updates and necessary changes.

Interest Categories: Association: Industry trade association. Independent Specialist: Individuals and organizations with technical expertise in the area of ladder design, use and safety practices. Manufacturer: Includes ladder manufacturers & component parts manufacturers. User: Includes individuals and organizations which are classed as users of ladders or users of the ladder standards.

Scope: This standard prescribes rules governing the safe construction, design, testing, care and use of portable metal ladders of various types and styles. The purpose of this standard is to provide reasonable safety for life, limb, and property. In order to develop an effective safety program, the standard may serve also as a basis for purchase requirements and for instructions in personnel training, and in the preparation of motivational/instructional material such as safety practices, manuals, posters, and the like. This standard is also intended to provide the manufacturer, purchaser, and user of metal ladders with a set of performance and dimensional requirements against which a product may be compared.

ALI (ASC A14) (American Ladder Institute)

Joe Zgrabik; jzgrabik@thomasamc.com | 330 N. Wabash Avenue, Suite 2000 | Chicago, IL 60611 www.americanladderinstitute.org

Revision

BSR A14.5-202x, Ladders - Portable Reinforced Plastic - Safety Requirements (revision of ANSI A14.5-2017)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Incorporate updates and necessary changes.

Interest Categories: Association: Industry trade association. Independent Specialist: Individuals and organizations with technical expertise in the area of ladder design, use and safety practices. Manufacturer: Includes ladder manufacturers & component parts manufacturers. User: Includes individuals and organizations which are classed as users of ladders or users of the ladder standards.

Scope: This standard prescribes rules governing the safe construction, design, testing, care and use of portable reinforced plastic ladders of various Types and styles. The purpose of this standard is to provide reasonable safety for life, limb, and property. In order to develop an effective safety program, the standard may serve also as a basis for purchase requirements and for instructions in personnel training, and in the preparation of motivational/instructional material such as safety practices, manuals, posters, and the like. This standard is also intended to provide the manufacturer, purchaser, and user of reinforced plastic ladders with a set of performance and dimensional requirements against which a product may be compared.

ASIS (ASIS International)

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

Revision

BSR/ASIS RA-202x, Risk Assessment (revision and redesignation of ANSI/ASIS/RIMS RA.1-2015)

Stakeholders: The global business community; not-for-profit organizations and foundations; educational institutions; government agencies and organizations; professional security practitioners and consultants.

Project Need: Risk Assessment is an essential element in the overall risk management process that accounts for security risks to an organization's tangible and intangible assets and the efficacy of existing risk treatment decisions, controls, and countermeasures in managing those risks. Risk assessment results largely serve as the basis for an organization's future security risk management decisions. The understanding of assets and risks to assets that is provided in the risk assessment process justifies and enables risk treatment decisions and mitigation strategies.

Interest Categories: 1. General Interest 2. Producers/Service Providers 3. Users/Managers.

Scope: This standard provides guidance for conducting risks assessments and applies specifically to security-related risks, which may include physical, non-physical, and logical risks. Security risks are understood to result from the intersection of threat, vulnerability, and consequence and should be associated with specific asset(s) that may be impacted.

ASPE (American Society of Plumbing Engineers)

Gretchen Pienta; gpienta@aspe.org | 6400 Shafer Court, Suite 350 | Rosemont, IL 60018 www.aspe.org

New Standard

BSR/ASPE 82-202x, Plumbing Design Methodology to Reduce the Risk of Hospital Acquired Infection (HAI) Transmission by Means of Critical Care Drain, Waste, and Vent Piping Systems (new standard)

Stakeholders: Plumbing engineers; healthcare facility owners and operators; infection control/infection preventionist; public health departments; industry associations; healthcare plumbing installers and service contractors; plumbing inspectors/plumbing commissioning agents; industry manufacturers.

Project Need: Carbapenem-Resistant Enterobacteriaceae (CRE) and Carbapenem-Producing Carbapenem-Resistant Enterobacteriaceae (CP-CRE) are little known to people outside of the medical and infection prevention (IP) profession, especially the plumbing design engineer. Healthy people usually do not acquire CRE infections, but they are very serious to patients in hospitals and nursing homes. These gram-negative bacteria are resistant to antibiotics. The flushing of fecal matter by certain patients and pouring carbon-sourced liquids into a drainage system are catalysts for the spread of CRE and CP-CRE infections. The bacteria grow and migrate in the drainage and vent pipe from room-to-room, floor-to-floor and are re-introduced into the healthcare environment via floor drains, sinks, showers, water closets, and more. Plumbing engineers can help minimize one of the main infection transmission highways by redesigning drain, waste, and vent piping systems in critical care departments within these buildings.

Interest Categories: Engineer/Designer, Producer, User, General Interest

Scope: Over the past 50 years, premise plumbing water systems have been a source of public health outbreaks (i.e., *Legionella*, *Pseudomonas aeruginosa*, etc.), especially in healthcare settings. ASHRAE Standard 188 has been published with a focus on *Legionella* mitigation. ASHRAE Guideline 12, which supports ASHRAE 188, gives prescriptive measures to minimize the growth of the *Legionella* bacterium, but it is not an enforceable publication. ASHRAE 514P, which references ASHRAE 188, is currently in development with a focus on all waterborne pathogens, less *Legionella*, as well as the chemical and physical hazards of a building's water system. ASPE has a *Legionella* Design Guide working group that is seeking to publish a guideline with sound plumbing engineering practices to specifically minimize the risks of *Legionella* growth within the building water plumbing system. ASSE 12080 is a professional qualification standard for *Legionella* Water Safety and Management Personnel. None of these current standards or guidelines, published or under development, address the hazards associated with the transmission of healthcare acquired infections (HAIs) due to the design and maintenance of the plumbing drain, waste, and vent piping systems, specifically in the critical care (aka intensive care) departments of a healthcare facility.

NEMA (ASC C119) (National Electrical Manufacturers Association)

Paul Orr; Pau_orr@nema.org | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR C119.5-202x, Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2018)

Stakeholders: Electric utilities, connector manufacturers, third-party test agencies.

Project Need: 5-year review.

Interest Categories: Users, Producers and General Interest

Scope: This Standard covers insulation piercing connectors used for making electrical connections between insulated, insulated-to-bare, and bare-to-bare conductors rated 600 V or less and 90 °C (low-voltage aerial bundled cables and bare and insulated line wires) on overhead distribution lines for electric utilities. Underground insulation piercing connector systems rated at 600 V are covered by ANSI C119.1.

SCTE (Society of Cable Telecommunications Engineers)

Kim Cooney; kcooney@scte.org | 140 Philips Rd | Exton, PA 19341 www.scte.org

New Standard

BSR/SCTE EMS 44-202x, Cable Broadband Corporate Sustainability Metrics (new standard)

Stakeholders: Cable Telecommunications Industry.

Project Need: Create a new American National Standard.

Interest Categories: General Interest, Producer, User

Scope: The scope of this standard will focus on cable broadband sustainability impacting the delivery of HFC, FTTx, and wireless networks of today and tomorrow. Excluded will be non-telecommunication assets that may be part of a very large company portfolio such as arenas, sports teams, or theme parks by way of example.

TIA (Telecommunications Industry Association)

Teesha Jenkins; standards-process@tiaonline.org | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598
www.tiaonline.org

National Adoption

BSR/TIA 492AAAF-A-202x, Detail Specification for Class 1a Graded-Index Multimode Optical Fibers; Modification of IEC 60793-2-10, Optical Fibres - Part 2-10: Product Specifications - Sectional Specification for Category A1 Multimode Fibres (national adoption of IEC 60793-2-10 Edition 7.1 with modifications and revision of ANSI/TIA 492AAAF-2020)

Stakeholders: Telecom, end-users, installers, designers of optical fiber cabling systems.

Project Need: Adopt identical ISO or IEC standard.

Interest Categories: User, Producer and General Interest

Scope: Adoption with modifications of IEC 60793-2-10, Optical Fibres- Part 2-10: Product Specifications- Sectional Specification for Category A1 Multimode Fibres, Edition 7.1. The document contains the dimensional, mechanical, transmission and environmental requirements of A1 multimode fibers (A1-OM1, A1-OM2, A1-OM3, A1-OM4, A1-OM5 and A1d).

TIA (Telecommunications Industry Association)

Teesha Jenkins; standards-process@tiaonline.org | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598
www.tiaonline.org

National Adoption

BSR/TIA 4920000-C-202x, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2019)

Stakeholders: Users of optical fiber such as optical fiber cable manufacturers and their customers and optical fiber transmission and test equipment manufacturers. Specifiers of optical fiber and cable such as telecommunications companies and standards bodies that define transmission protocols.

Project Need: Adopt ISO or IEC Standard with modifications and revise current American National Standard.

Interest Categories: User, Producer and General Interest

Scope: Adopt with modifications IEC 60793-2:2019 as ANSI/TIA-4920000-C to update the specification and achieve closer harmonization with international standards. The modifications may include: 1. addition of TIA documents to the normative references, 2. addition of TIA test methods closely equivalent to IEC test methods, 3. addition of TIA classification of fibers closely equivalent to IEC classifications, changes within text to include TIA classifications and references.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: January 22, 2023

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 BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This proposed change to Appendix G addresses how buildings that use purchased heat and cooling should be modeled, as the previous approach created an obstacle for meeting Performance Cost Index (PCI) requirements.

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

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

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

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

Addenda

BSR/ASHRAE/IES Addendum cv to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum updates Tables 6.8.1-13 and 6.8.1-14 in accordance with AHRI's latest test procedure for rating DOAS unit efficiency.

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

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

Comment Deadline: February 6, 2023

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 122-202x, Best Practice Recommendation for Performing Alcohol Calculations in Forensic Toxicology (new standard)

This document provides recommendations for performing alcohol (ethanol) calculations, to include retrograde extrapolation, forward estimations, minimum drinks consumed, and other typical situations. Recommendations are also provided for evaluation of post absorptive stage, various specimen types, population variances, and reporting of calculations.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <https://www.aafs.org/academy-standards-board>

Order from: Document will be provided electronically on AAFS Standards Board website (<https://www.aafs.org/academy-standards-board>) free of charge.

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 055-202x, Standard for Breath Alcohol Measuring Instrument Calibration (new standard)

This standard is applicable to the calibration of breath alcohol measuring instruments for evidentiary purposes. These minimum requirements are included for (1) the development and validation of calibration methods on these instruments; (2) evaluation of performance following adjustments and calibrations; and (3) monitoring the validity of the calibrations performed. This standard is not intended to cover preliminary (non-evidentiary) testing, ignition interlock, or federally-regulated testing.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <https://www.aafs.org/academy-standards-board>

Order from: Document will be provided electronically on AAFS Standards Board website (<https://www.aafs.org/academy-standards-board>) free of charge.

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Reaffirmation

BSR/AHRI Standard 910-2014 (R202x) (I-P), Performance Rating of Indoor Pool Dehumidifiers (reaffirmation of ANSI/AHRI Standard 910 (I-P)-2014)

This standard applies to factory-made residential, commercial and industrial Indoor Pool Dehumidifiers, as defined in Section 3.

Single copy price: Free

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

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

Comment Deadline: February 6, 2023

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Reaffirmation

BSR/AHRI Standard 911-2014 (R202x) (SI), Performance Rating of Indoor Pool Dehumidifiers (reaffirmation of ANSI/AHRI Standard 911 (SI)-2014)

This standard applies to factory-made residential, commercial and industrial Indoor Pool Dehumidifiers, as defined in Section 3.

Single copy price: Free

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

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Revision

BSR/AHRI Standard 1161-202x (SI), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1161 (SI)-2014)

This standard applies to the rating and testing of complete factory-made Heat Pump Pool Heater refrigeration systems as defined in Section 3.

Single copy price: Free

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

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

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20191 | jneckel@asce.org, www.asce.org

New Standard

BSR/ASCE/EWRI 33-202x, Comprehensive Transboundary International Water Quality Management (new standard)

The Parties should carefully frame the extent of the water resources involved in the Agreement. The agreement should identify the type and geographical extent of the waters subject to the agreement. To be accurate, an analysis should examine factors that influence the availability of water, such as the following: the climatology, physiology, geology, and the interaction between underground and surface water resources. The analysis should also identify pollution sources and their impacts on basin water quality.

Single copy price: Free

Obtain an electronic copy from: <https://sa360.asce.org/ASCEWebApp/StandardsBalloting/Default.aspx>

Order from: James Neckel; jneckel@asce.org

Send comments (copy psa@ansi.org) to: <https://sa360.asce.org/ASCEWebApp/StandardsBalloting/Default.aspx>

Comment Deadline: February 6, 2023

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME BPVC Section I-202x, Rules for Construction of Power Boilers (revision of ANSI/ASME BPVC Section I-2021)

This Code covers rules for construction of power boilers, electric boilers, miniature boilers, high temperature water boilers, heat recovery steam generators, solar receiver steam generators, certain fired pressure vessels, and liquid phase thermal fluid heaters to be used in stationary service and includes those power boilers used in locomotive, portable, and traction service. The rules are applicable to boilers in which steam or other vapor is generated at a pressures of more than 15 psig (100 kPa) for use external to itself, and high temperature water boilers intended for operation at pressures exceeding 160 psig (1.1 MPa) and/or temperatures exceeding 250 degree F (120 degree C).

Single copy price: Free

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

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Umberto D'Urso; dursou@asme.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section V-202x, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2021)

This Section of the Code contains requirements, methods, and techniques for nondestructive examination (NDE), which are Code requirements to the extent that they are specifically referenced and required by other Code Sections or referencing documents. These NDE methods are intended to detect surface and internal imperfections in materials, welds, fabricated parts, and components.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Carlton Ramcharran; ramcharranc@asme.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section VI-202x, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2021)

Section VI of the ASME Boiler & Pressure Vessel Code contains recommended guidelines to promote safety in the use of steam heating, hot water heating, and hot water supply boilers that are directly fired with oil, gas, electricity, coal, or other solid and liquid fuels.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Carlton Ramcharran; ramcharranc@asme.org

Comment Deadline: February 6, 2023

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME BPVC Section VIII-202x, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2021)

This Section contains mandatory requirements, specific prohibitions, and nonmandatory guidance for pressure vessel materials, design, fabrication, examination, inspection, testing, certification, and pressure relief. The Code does not address all aspects of these activities, and those aspects which are not specifically addressed should not be considered prohibited.

Single copy price: Free

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

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Steven Rossi; rossis@asme.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section XI-202x, Section XI Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2021)

Division 1 provides requirements for inservice inspection and testing of light-water-cooled nuclear power plants. The requirements identify the areas subject to inspection, responsibilities, provisions for accessibility and inspectability, examination methods and procedures, personnel qualifications, frequency of inspection, record keeping and report requirements, procedures for evaluation of inspection results and subsequent disposition of results of evaluations, and repair/replacement activity requirements, including procurement, design, welding, brazing, defect removal, fabrication, installation, examination, and pressure testing. Division 2 provides the requirements for the creation of the Reliability and Integrity Management (RIM) Program for all types of nuclear power plants.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Daniel Miro-Quesada; miroquesada@asme.org

ASNT (American Society for Nondestructive Testing)

1711 Arlingate Lane, Columbus, OH 43228-0518 | mthomas@asnt.org, www.asnt.org

National Adoption

BSR/ASNT CP-9712 (ISO 9712:2021)-202x, Nondestructive Testing - Qualification and Certification of Personnel (identical national adoption of ISO 9712:2021 (E) and revision of ANSI/ASNT CP-106 (ISO 9712:2012)-2018)

This standard specifies requirements for principles for the qualification and certification of personnel who perform industrial nondestructive testing (NDT).

Single copy price: Free (Electronic version); \$20.00 USD (Hard Copy)

Obtain an electronic copy from: standards@asnt.org

Order from: standards@asnt.org

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

Comment Deadline: February 6, 2023

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B512-202x, Sulfur Dioxide (revision of ANSI/AWWA B512-2015)

This standard describes sulfur dioxide, a compressed, nonflammable liquefied gas, for use in the treatment of potable water, wastewater, or reclaimed water to remove excess residual chlorine.

Single copy price: Free

Obtain an electronic copy from: etssupport@awwa.org

Order from: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | education@boma.org, www.boma.org

New Standard

BSR/BOMA Z65.4-202x, BOMA 2022 for Multi-Family and Hospitality Properties: Standard Method of Measurement (new standard)

The BOMA 2022 for Multi-Family and Hospitality Properties Standard is intended to be used by building owners, managers, tenants, appraisers, architects, space planners, and building measurement professionals to establish floor areas for Multi-Family and Hospitality Properties. The primary objectives of this standard are: - To promote an unambiguous framework for determining the areas of - Multi-Family and Hospitality Properties with a strong focus on the determination of Living Areas. - To facilitate transparency and clear communication of measurement concepts among all participants in the respective real estate sectors involved. - To allow a comparison of values on the basis of a clearly understood and generally agreed upon method of measurement. - To align concepts and measurement methodologies with the International Property Measurement Standards: Residential Buildings (2016) document.

Single copy price: Free

Obtain an electronic copy from: education@boma.org

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

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, www.esda.org

Reaffirmation

BSR/ESD SP5.1.3-2017 (R202x), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) Testing - Component Level - A Method for Randomly Selecting Pin Pairs (reaffirmation and redesignation of ANSI/ESD SP5.1.3-2017)

The pin pair combinations randomly selected as per this standard practice can be used as an alternative to Table 2A or Table 2B combinations in ANSI/ESDA/JEDEC JS-001 for testing components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD).

Single copy price: \$145.00 (List)/\$115.00 (EOS/ESD Members) [Hard Copy]; \$135.00 (List)/\$105.00 (EOS/ESD Members) [Soft Copy]

Obtain an electronic copy from: cearl@esda.org

Order from: Christina Earl; cearl@esda.org

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

Comment Deadline: February 6, 2023

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

Revision

BSR/ASSE 1003/CSA B356-202x, Water pressure reducing valves for potable water distribution systems (revision and redesignation of ANSI/ASSE 1003-2020)

Devices covered by this standard are self-contained, direct acting, single diaphragm types. Devices shall be permitted to have an integral strainer, separate strainer connected to the valve inlet, or be without strainer. Devices shall be permitted to be with or without an integral by-pass relief valve.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

Order from: standards@iapmostandards.org

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

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

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

New Standard

BSR/IICRC S590-202x, Standard for Assessing HVAC Systems Following a Water, Fire, or Mold Damaged Event (new standard)

The HVAC assessment process identifies impacted and non-impacted HVAC internal surfaces after a water, fire, or mold damage event. This Standard contains procedures to perform HVAC assessments and create a written report and Remediation Work Plan (RWP) of work for residential, commercial, institutional, and healthcare buildings. The document lists methods and procedures to determine visual deposition and odor retention.

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s590/>

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

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

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

New Standard

BSR/IICRC S700-202x, Standard for Professional Fire and Smoke Damage Restoration (new standard)

This standard provides principles, processes, and procedures for determining the presence of fire residues and odors affecting a building and contents and the extent of impact following a fire or smoke event. This fire or smoke event will be either internal to the building, fire from an adjoining building, or buildings that sustain direct exposure to an external fire. This standard also provides practical principles, methods, and processes including equipment, tools, and materials, for the restoration cleaning and fire and smoke odor management of buildings and contents impacted by a fire or smoke event. In addition, including emergency work (mitigation), temporary repairs, engineering controls, removal of fire residues, and associated odors, as allowed.

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s700/>

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

Comment Deadline: February 6, 2023

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

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

Revision

BSR/IICRC S520-202x, Standard for Professional Mold Remediation (revision of ANSI/IICRC S520-2015)

This Standard describes the procedures to be followed and the precautions to be taken when performing mold remediation in residential, commercial, and institutional buildings, and the systems and personal property contents of those structures. The Standard explains mold remediation techniques, the principles of which may apply to other microbial remediation projects or services. This Standard assumes that determining and correcting the underlying cause of mold contamination is the responsibility of a property owner, landlord, or their agent(s), and not the remediator, although a property owner may contract with a remediator or other professional to perform these services.

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s520/>

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

ISA (International Society of Automation)

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

New Standard

BSR/ISA 106.00.01-202x, Procedure Automation for Continuous Process Operations (new standard)

Sets forth models, styles, strategies, philosophies, and life cycle for automation of procedures in continuous process industrial operations. Terminology is included that helps explain the relationships between these elements and terms.

Single copy price: \$99.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (copy psa@ansi.org) to: Charley Robinson; crobinson@isa.org

MSS (Manufacturers Standardization Society)

127 Park Street, NE, Vienna, VA 22180-4602 | dthompson@msshq.org, www.mss-hq.org

New Standard

BSR/MSS SP-105-202x, Instrument Valves for Code Applications (new standard)

This Standard Practice applies to small valves and manifold valves developed for and predominately used in instrument, control, and sampling piping systems for code applications (1). It covers steel and alloy valves of nominal pipe size (NPS) 2 and smaller, and pressure ratings of 15 000 psi (103.4 MPa) and lower at 100 °F (38 °C). See MSS SP-99 for instrument valves not involving code applications. This Standard Practice applies to instrument valve designs including, but not limited to, needle valves, packless valves, ball valves, plug valves, check valves, and manifold valves. Instrument valves are generally of proprietary design. This Standard Practice is not intended to define or limit designs, construction, performance, envelope dimensions, or valve types. The application of valve type, size, rating, materials of construction, and suitability for the service are the responsibility of the purchaser and are outside the scope of this Standard Practice.

Single copy price: \$72.00

Obtain an electronic copy from: standards@msshq.org

Order from: standards@msshq.org

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

Comment Deadline: February 6, 2023

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.30-202x, Roadway and Area Lighting Equipment - Pole Vibration (revision of ANSI C136.30-2015)

This guide covers the minimum vibration withstand requirements and testing procedures for poles used in roadway and area lighting. The guide is intended for poles of 50-ft (15.24m) mounting height and under.

Single copy price: \$50.00

Obtain an electronic copy from: david.richmond@nema.org

Order from: David Richmond; David.Richmond@nema.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 104-202x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2019a)

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 [SCTE35] private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 [SCTE35] and SCTE 30 [SCTE30].

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents; www.global.ihs.com

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 147-202x, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 147-2010)

The purpose of this specification is to provide the mechanical, electrical, and environmental requirements for 75 ohm "F" type inline attenuators generally used for indoor residential applications. DOCSIS 4.0 specifications include operation at frequencies up to 1794 MHz. This document provides specifications or procedures for frequencies up to 3000 MHz.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents; www.global.ihs.com

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

Comment Deadline: February 6, 2023

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 200-202x, Specification for a 75 ohm MMCX Connector (MMCX-75), Male & Female Interface (revision of ANSI/SCTE 200-2016)

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 MMCX-75. This is an indoor connector with applications in controlled environments such as headends and hubsites where high density platform chassis are used. MMCX-75 connectors are not intended to be mated with 50 ohm MMCX design counterparts

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents; www.global.ihs.com

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

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

Create a standard for defining the transmission requirements for industrial cabling and components supporting single balanced twisted-pair cabling for MICE2 and MICE3 environments. Specify components that meet the transmission requirements for cabling for Industrial Premises. This Standard establishes performance and technical criteria in support of single-pair applications such as Ethernet.

Single copy price: \$103.00

Obtain an electronic copy from: standards-process@tiaonline.org

Order from: TIA (standards-process@tiaonline.org)

Send comments (copy psa@ansi.org) to: Teesha Jenkins; standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 1005-B-202x, Telecommunication Infrastructure Standard for Industrial Premises (revision and redesignation of ANSI/TIA 1005-A-2012 (R2020))

This Standard specifies telecommunications cabling to support industrial premises applications (e.g., voice, data, text, video, industrial and building controls, security, fire alarm, imaging) while allowing for exposure to the wide range of environmental conditions expected in industrial premises (e.g., temperature, humidity, electrical noise, shock, vibration, corrosive gases, dust, liquids). Need to update the standard for the following items: 1) Include Addendum 1 of ANSI/TIA-1005-A 2) Update standard with new requirements for 1G for E2 and E3 environments

Single copy price: \$116.00

Obtain an electronic copy from: standards-process@tiaonline.org

Order from: TIA (standards-process@tiaonline.org)

Send comments (copy psa@ansi.org) to: Teesha Jenkins; standards-process@tiaonline.org

Comment Deadline: February 6, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 101-202x, Standard for Safety for Leakage Current for Utilization Equipment (revision of ANSI/UL 101-2019)

1. Proposed revisions addressing GFCI Interoperability Issues

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

Comment Deadline: February 21, 2023

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B89.3.7-2013 (R202x), Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013 (R2018))
This Standard covers igneous rock (granite) plates for use in high accuracy locating, layout, and inspection work. It encompasses new certification, recertification in the field, and recertification after resurfacing. In general, the standard covers any size granite surface plate.

Single copy price: \$39.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino; cassasmassinoj@asme.org

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

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

National Adoption

INCITS/ISO/IEC 27001:2022 [202x], Information security, cybersecurity and privacy protection - Information security management systems - Requirements (identical national adoption of ISO/IEC 27001:2022 and revision of INCITS/ISO/IEC 27001:2013 [R2019])

INCITS/ISO/IEC 27001:2013/COR 1:2014 [2019]

INCITS/ISO/IEC 27001:2013/COR 2:2015 [2018])

Specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system within the context of the organization. This document also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization. The requirements set out in this document are generic and are intended to be applicable to all organizations, regardless of type, size or nature. Excluding any of the requirements specified in Clauses 4 to 10 is not acceptable when an organization claims conformity to this document.

Single copy price: \$149.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

Send comments (copy psa@ansi.org) to: Barbara Bennett; comments@standards.incits.org

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:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 810-202x (I-P), Performance Rating of Automatic Commercial Ice-Makers (revision of ANSI/AHRI Standard 810 (I-P)-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karl Best; kbest@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 811-202x (SI), Performance Rating of Automatic Commercial Ice-Makers (revision of ANSI/AHRI Standard 811 (SI)-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karl Best; kbest@ahrinet.org

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Kyle.Krueger@necanet.org, www.neca-neis.org

BSR/NECA 505-202x, Standard for Installing and Maintaining High-Mast, Roadway and Area Lighting (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Kyle Krueger; Kyle.Krueger@necanet.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation

ANSI/AGMA 2015-2-B15 (R2020), Gear Tooth Flank Tolerance Classification System - Definitions and Allowable Values of Double Flank Radial Composite Deviations (reaffirmation of ANSI/AGMA 2015-2-B15)

This standard establishes a classification system for double flank radial composite tolerances—allowable values of deviations—of individual cylindrical involute gears, sector gears, racks, cylindrical worms, worm gears and hypoid or bevel gears.

Send comments (copy psa@ansi.org) to: Questions may be directed to: Amir Aboutaleb; tech@agma.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

New Standard

ANSI/AHRI Standard 811 (SI)-2013, Performance Rating of Remote Mechanical-Draft Evaporatively-Cooled Refrigerant Condensers (new standard)

This standard applies to factory-made Automatic Commercial Ice-Makers as defined in Section 3.

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karl Best; kbest@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Revision

ANSI/AHRI Standard 810 (I-P)-2013, Performance Rating of Remote Mechanical-Draft Evaporatively-Cooled Refrigerant Condensers (revision and partition of ANSI/AHRI Standard 810-2003)

This standard applies to factory-made Automatic Commercial Ice-Makers as defined in Section 3.

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karl Best; kbest@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Revision

ANSI/AHRI Standard 210/240-2008 with Addenda 1 and 2-2011, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment (revision of ANSI/AHRI Standard 210/240 with Addendum 1-2011)

This standard applies to factory-made Unitary Air-Conditioners and Air-Source Unitary Heat Pumps as defined in Section 3.

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karl Best; kbest@ahrinet.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.

ARESCA (American Renewable Energy Standards and Certification Association)

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

National Adoption

ANSI/ARESCA 61400-5-2022, Wind energy generation systems - Part 5: Wind turbine blades (identical national adoption of IEC 61400-5:2020) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-8-2022, Wind energy generation systems - Part 8: Design of wind turbine structural components (identical national adoption of IEC 61400-8:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-28-2022, Wind energy generation systems - Part 28: Through life management and life extension of wind power assets (identical national adoption of IEC TS 61400-28:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-29-2022, Wind energy generation systems - Part 29: Marking and lighting of wind turbines (identical national adoption of IEC TS 61400-29:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-30-2022, Wind energy generation systems - Part 30: Safety of Wind Turbine Generator Systems (WTGs) - General principles for design (identical national adoption of IEC TS 61400-30:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-31-2022, Wind energy generation systems - Part 31: Siting Risk Assessment (identical national adoption of IEC TS 61400-31:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-12-4-2022, Wind energy generation systems - Part 12-4: Numerical site calibration for power performance testing of wind turbines (identical national adoption of IEC TR 61400-12-4:2020) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-15-1-2022, Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants (identical national adoption of IEC 61400-15-1:2022) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-15-2-2022, Wind energy generation systems - Part 15-2: Framework for assessment and reporting of the wind resource and energy yield (identical national adoption of IEC 61400-15-2:2023) Final Action Date: 12/13/2022

ARESCA (American Renewable Energy Standards and Certification Association)

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

National Adoption

ANSI/ARESCA 61400-25-1-2022, Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models (identical national adoption of IEC 61400-25-1:2017) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-2-2022, Wind energy generation systems - Part 25-2: Communications for monitoring and control of wind power plants - Information models (identical national adoption of IEC 61400-25-2:2015) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-3-2022, Wind energy generation systems - Part 25-3: Communications for monitoring and control of wind power plants - Information exchange models (identical national adoption of IEC 61400-25-3:2015) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-4-2022, Wind energy generation systems - Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile (identical national adoption of IEC 61400-25-4:2016) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-5-2022, Wind energy generation systems - Part 25-5: Communications for monitoring and control of wind power plants - Compliance testing (identical national adoption of IEC 61400-25-5:2017) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-6-2022, Wind energy generation systems - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring (identical national adoption of IEC 61400-25-6:2016) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-26-4-2022, Wind energy generation systems - Part 26-4: Reliability for wind energy generating systems (identical national adoption of IEC TS 61400-26-4:2023) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-27-1-2022, Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models (identical national adoption of IEC 61400-27-1:2020) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-27-2-2022, Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation (identical national adoption of IEC 61400-27-2:2020) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-50-3-2022, Wind energy generation systems - Part 50-3: Use of nacelle-mounted lidars for wind measurements (identical national adoption of IEC 61400-50-3:2022) Final Action Date: 12/13/2022

National Adoption

ANSI/ARESCA 61400-25-71-2022, Wind energy generation systems - Part 25-71: Communications for monitoring and control of wind power plants - Configuration description language (identical national adoption of IEC TS 61400-25-71:2019) Final Action Date: 12/13/2022

CSA (CSA America Standards Inc.)

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

Addenda

ANSI/CSA NGV 6.1-2022, Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (addenda to ANSI/CSA NGV 6.1-2021) Final Action Date: 12/15/2022

New Standard

ANSI/CSA Z5020-2022, Building energy modelling (new standard) Final Action Date: 12/16/2022

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.hi.org

Revision

ANSI/HI 9.6.5-2022, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5-2016) Final Action Date: 12/16/2022

NEMA (ASC C29) (National Electrical Manufacturers Association)

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

Revision

ANSI C29.4-2022, Wet Process Porcelain Insulators - Strain Type (revision of ANSI/NEMA C29.4-2015) Final Action Date: 12/12/2022

NEMA (ASC C50) (National Electrical Manufacturers Association)

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

National Adoption

ANSI NEMA 61800-9-1-2022, Adjustable Speed Drives - Electrical Power Drive Systems - Part 1: General Requirements - Rating Specifications for Low Voltage Adjustable Speed d.c. Power Drive Systems (identical national adoption of IEC 61800-9-1-2017 Ed. 1) Final Action Date: 12/13/2022

NSF (NSF International)

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

Revision

ANSI/NSF 42-2022 (i121r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021) Final Action Date: 12/12/2022

SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

11 Mile Hill Road, Newtown, CT 06470-2359 | bosowiecki@saami.org, www.saami.org

Revision

ANSI/SAAMI Z299.3-2022, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for the Use of Commercial Manufacturers (revision of ANSI/SAAMI Z299.3-2015) Final Action Date: 12/13/2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

ANSI/SCTE 241-2022, Key Performance Metrics: Energy Efficiency & Functional Density of Wi-Fi Infrastructure Equipment (revision of ANSI/SCTE 241-2017) Final Action Date: 12/15/2022

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Marcia.M.Kawate@ul.org, <https://ulse.org/>

New Standard

ANSI/UL 495-2022, Standard for Safety for Power-Operated LP-Gas Dispensing Equipment (new standard) Final Action Date: 12/14/2022

Reaffirmation

ANSI/UL 248-15-2018 (R2022), Low-Voltage Fuses - Part 15: Class T Fuses (reaffirmation of ANSI/UL 248-15-2018) Final Action Date: 12/15/2022

Reaffirmation

ANSI/UL 60079-29-4-2018 (R2022), Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases (reaffirmation of ANSI/UL 60079-29-4-2018) Final Action Date: 12/15/2022

Revision

ANSI/UL 73-2022, Standard for Motor-Operated Appliances (revision of ANSI/UL 73-2021) Final Action Date: 12/14/2022

Revision

ANSI/UL 407-2022, Standard for Safety for Manifolds for Compressed Gases (revision of ANSI/UL 407-2004 (R2017)) Final Action Date: 12/14/2022

Revision

ANSI/UL 510-2022, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (revision of ANSI/UL 510-2020) Final Action Date: 12/14/2022

Revision

ANSI/UL 510A-2022, Standard for Safety for Component Tapes (revision of ANSI/UL 510A-2020) Final Action Date: 12/14/2022

Revision

ANSI/UL 583-2022, Standard for Electric-battery-Powered Industrial Trucks (revision of ANSI/UL 583-2021) Final Action Date: 12/15/2022

Revision

ANSI/UL 924-2022, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2020) Final Action Date: 12/14/2022

Revision

ANSI/UL 1449-2022, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2016) Final Action Date: 12/15/2022

Revision

ANSI/UL 2202-2022, Standard for Safety for DC Charging Equipment for Electric Vehicles (revision of ANSI/UL 2202-2012 (R2018)) Final Action Date: 12/15/2022

ULSE (UL Standards & Engagement)

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

Revision

ANSI/UL 2251-2022, Standard for Safety for Plugs, Receptacles, and Couplers for Electric Vehicles (revision of ANSI/UL 2251-2017) Final Action Date: 12/15/2022

Revision

ANSI/UL 2586-2022, Standard for Safety for Hose Nozzle Valves for Flammable and Combustible Liquids (revision of ANSI/UL 2586-2021) Final Action Date: 12/14/2022

Revision

ANSI/UL 2594-2022, Standard for Safety for Electric Vehicle Supply Equipment (revision of ANSI/UL 2594-2016) Final Action Date: 12/15/2022

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | ascz80@thevisioncouncil.org, www.z80asc.com

Reaffirmation

ANSI Z80.11-2012 (R2022), Laser Systems for Corneal Reshaping (reaffirmation of ANSI Z80.11-2012 (R2017)) Final Action Date: 12/15/2022

Reaffirmation

ANSI Z80.12-2007 (R2022), Multifocal Intraocular Lenses (reaffirmation of ANSI Z80.12-2007 (R2017)) Final Action Date: 12/15/2022

Reaffirmation

ANSI Z80.13-2007 (R2022), Phakic Intraocular Lenses (reaffirmation of ANSI Z80.13-2007 (R2017)) Final Action Date: 12/15/2022

WCMA (Window Covering Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.wcmanet.org

Revision

ANSI/WCMA A100.1-2022, Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2018) Final Action Date: 12/13/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

NCPDP - National Council for Prescription Drug Programs

Monday, January 9, 2023 through Friday, February 10, 2023

Enrollment in the **National Council for Prescription Drug Programs (NCPDP) 2023 Consensus Group** opens **Monday, January 9, 2023 and closes at 8:00 p.m. EST on Friday, February 10, 2023**. Information concerning the Consensus Group registration process is available by contacting: Margaret Weiker, National Council for Prescription Drug Programs (NCPDP) | 9240 East Raintree Drive, Scottsdale, AZ 85260 | (480) 477-1000, mweiker@ncdpd.org

STANDARDS:

Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both “Desk Top” claim audits and for in-store audit notices.

Batch Standard Subrogation - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.

Benefit Integration Standard - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Billing Unit Standard - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.

Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

Medicaid Pharmacy Encounters Reporting – provides standardization of data content and file layout for reporting of Medicaid Managed Care Organization pharmacy claims to a state agency.

Medicaid Subrogation Standard – provides guidelines for the process whereby a Medicaid agency can communicate to a processor for reimbursement. The state has reimbursed the pharmacy provider for covered services and now is pursuing reimbursement from other payers for these services.

Medical Rebates Data Submission Standard – provides a standardized format for health plans’ rebate submissions to multiple manufacturers throughout the industry. Implementation of the medical also eliminates the need for manufacturers to create internal mapping processes to standardize unique data formats from each health plan or third party administrator.

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 11137-1-202x, Sterilization of health care products - Radiation - Part 1: Requirements for the development, validation and routine control of a sterilization process for medical device (identical national adoption of ISO 11137-1 and revision of ANSI/AAMI/ISO 11137-1-2006 (R2015))

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 15223-2-202x, Medical devices - Symbols to be used with medical device labels, labelling, and information to be supplied - Part 2: Symbol development, selection and validation (identical national adoption of ISO 15223-2 and revision of ANSI/AAMI/ISO 15223-2-2016)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 20417-202x, Medical devices - Information to be supplied by the manufacturer (identical national adoption of ISO 20417:2021)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 610-202x (SI/I-P), Performance Rating of Central System Humidifiers for Residential Applications (revision, redesignation and consolidation of ANSI/AHRI Standard 610 (I-P)-2014, ANSI/AHRI Standard 611 (SI)-2014)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 620-202x (SI/I-P), Performance Rating of Self-Contained Humidifiers for Residential Applications (revision, redesignation and consolidation of ANSI/AHRI Standard 620 (I-P)-2014, ANSI/AHRI Standard 621 (SI)-2014)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 910-2014 (R202x) (I-P), Performance Rating of Indoor Pool Dehumidifiers (reaffirmation of ANSI/AHRI Standard 910 (I-P)-2014)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 911-2014 (R202x) (SI), Performance Rating of Indoor Pool Dehumidifiers (reaffirmation of ANSI/AHRI Standard 911 (SI)-2014)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1161-202x (SI), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1161 (SI)-2014)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME B89.3.7-2013 (R202x), Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013 (R2018))

ASNT (American Society for Nondestructive Testing)

1711 Arlingate Lane, Columbus, OH 43228-0518 | mthomas@asnt.org, www.asnt.org

BSR/ASNT CP-9712 (ISO 9712-2021)-202x, Nondestructive Testing - Qualification and Certification of Personnel (identical national adoption of ISO 9712:2021 (E) and revision of ANSI/ASNT CP-106 (ISO 9712-2012)-2018)

BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | education@boma.org, www.boma.org

BSR/BOMA Z65.4-202x, BOMA 2022 for Multi-Family and Hospitality Properties: Standard Method of Measurement (new standard)

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, www.esda.org

BSR/ESD SP5.1.3-2017 (R202x), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) Testing - Component Level - A Method for Randomly Selecting Pin Pairs (reaffirmation and redesignation of ANSI/ESD SP5.1.3-2017)

ISA (International Society of Automation)

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

BSR/ISA 106.00.01-202x, Procedure Automation for Continuous Process Operations (new standard)

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

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

INCITS/ISO/IEC 27001:2022 [202x], Information security, cybersecurity and privacy protection - Information security management systems - Requirements (identical national adoption of ISO/IEC 27001:2022 and revision of INCITS/ISO/IEC 27001:2013 [R2019])

INCITS/ISO/IEC 27001:2013/COR 1:2014 [2019]

INCITS/ISO/IEC 27001:2013/COR 2:2015 [2018])

MSS (Manufacturers Standardization Society)

127 Park Street, NE, Vienna, VA 22180-4602 | dthompson@msshq.org, www.mss-hq.org

BSR/MSS SP-105-202x, Instrument Valves for Code Applications (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 492AAAF-A-202x, Detail Specification for Class 1a Graded-Index Multimode Optical Fibers; Modification of IEC 60793-2-10, Optical Fibres - Part 2-10: Product Specifications - Sectional Specification for Category A1 Multimode Fibres (national adoption of IEC 60793-2-10 Edition 7.1 with modifications and revision of ANSI/TIA 492AAAF-2020)

TIA (Telecommunications Industry Association)

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

BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 1005-B-202x, Telecommunication Infrastructure Standard for Industrial Premises (revision and redesignation of ANSI/TIA 1005-A-2012 (R2020))

TIA (Telecommunications Industry Association)

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

BSR/TIA 4920000-C-202x, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2019)

ULSE (UL Standards & Engagement)

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

BSR/UL 101-202x, Standard for Safety for Leakage Current for Utilization Equipment (revision of ANSI/UL 101-2019)

American National Standards (ANS) Announcements

Corrections

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

INCITS/ISO/IEC 15408-1:2009 [R2022 announcement]

Both the public review and approval notice for INCITS/ISO/IEC 15408-1:2009 [R2022] had a typographical error in the year referenced in the Standards Action project description. The superseded ANS was reported as:

INCITS/ISO/IEC 15408-1:2009 [2012] however it should have been INCITS/ISO/IEC 15408-1:2009 [R2017].

All other processing steps were handled correctly. A corrected Notification on Final Action is as follows:

INCITS/ISO/IEC 15408-1:2009 [R2022] Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model (reaffirmation of INCITS/ISO/IEC 15408-1:2009 [R2017])

Please direct inquiries to: Lynn Barra; comments@standards.incits.org

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

Public Review of Application for ASD Accreditation

SEIA - Solar Energy Industries Association

Comment Deadline: January 23, 2023

The **Solar Energy Industries Association (SEIA)** has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on SEIA-sponsored American National Standards. SEIA's proposed scope of standards activity is as follows:

The Solar Energy Industries Association's (SEIA) scope of standards will include best practices, guidelines, process, and performance standards, supply chain tracking and expectation standards, and quality assurance requirements that standardize management systems and increase the quality, reliability, and sustainability of products and services in the solar and energy storage industries.

To obtain a copy of SEIA's application and proposed operating procedures or to offer comments, please contact:

Evelyn Butler, Vice President of Technical Services, Solar Energy Industries Association, 1425 K Street, NW, Suite 1000, Washington, DC 20005; phone: 202.681.4156; email: ebutler@seia.org

As the proposed procedures are available electronically, the public review period is 30 days. To view/download a copy of the operating procedures during the public review period, [click here](#).

Please submit any comments to **SEIA by January 23, 2023** (please copy the ExSC Recording Secretary in ANSI's New York Office (jthompso@ansi.org))

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

B11 - B11 Standards, Inc.

Meeting Times: January 2023

The ANSI B11 Standards Development Committee, administered by the Secretariat (**B11 Standards, Inc.**), will hold its semi-annual meeting on **25-26 January 2023 at Exponent** in Menlo Park, CA. The B11 SDC is an ANSI-accredited standards committee on the broad topic of machinery safety, and the purpose of this meeting is to discuss ongoing issues and the business of the B11 SDC. This meeting is open to anyone with an interest in safety and the safe use of machines, however, any voting will be restricted to full members of this Committee.

The **B11.0 Subcommittee** will hold a meeting on **23-24 January 2023 at Exponent** in Menlo Park, CA.

If you have an interest in participating in this meeting as an observer or have inquiries please contact: David Felinski, B11 Standards, Inc. (B11) | PO Box 690905, Houston, TX 77269-0905 | (832) 446-6999, dfelinski@b11standards.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)
 PRCA (Professional Ropes Course Association)
 RESNET (Residential Energy Services Network, Inc.)
 SAE (SAE International)
 TCNA (Tile Council of North America)
 TIA (Telecommunications Industry 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

AAMI

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

Amanda Benedict
abenedict@aami.org

AHRI

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

Karl Best
kbest@ahrinet.org

ALI (ASC A14)

American Ladder Institute
330 N. Wabash Avenue, Suite 2000
Chicago, IL 60611
www.americanladderinstitute.org

Joe Zgrabik
jzgrabik@thomasamc.com

ARESCA

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

George Kelly
secretary@aresca.us

ASCE

American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 20191
www.asce.org

James Neckel
jneckel@asce.org

ASHRAE

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

Emily Toto
etoto@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, 6th Floor
New York, NY 10016
www.asme.org

Maria Acevedo
ansibox@asme.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

ASNT

American Society for Nondestructive
Testing
1711 Arlingate Lane
Columbus, OH 43228
www.asnt.org

Michelle Thomas
mthomas@asnt.org

ASPE

American Society of Plumbing Engineers
6400 Shafer Court, Suite 350
Rosemont, IL 60018
www.aspe.org

Gretchen Pienta
gpienta@aspe.org

AWWA

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

Paul Olson
polson@awwa.org

BOMA

Building Owners and Managers Association
1101 15th Street, NW, Suite 800
Washington, DC 20005
www.boma.org

Kia Lor
education@boma.org

CSA

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

Debbie Chesnik
ansi.contact@csagroup.org

EOS/ESD

ESD Association, Inc.
218 W. Court Street
Rome, NY 13440
www.esda.org

Jennifer Kirk
jkirk@esda.org

HI

Hydraulic Institute
300 Interpace Parkway, Building A, 3rd
Floor, #280
Parsippany, NJ 07054
www.pumps.org

Arunima Chatterjee
achatterjee@pumps.org

IAPMO (ASSE Chapter)

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

Terry Burger
terry.burger@asse-plumbing.org

IICRC

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

Mili Washington
mwashington@iicrcnet.org

ISA (Organization)

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

Charley Robinson
crobinson@isa.org

ITI (INCITS)

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

Lynn Barra
comments@standards.incits.org

MSS

Manufacturers Standardization Society
127 Park Street, NE
Vienna, VA 22180
www.mss-hq.org

David Thompson
dthompson@msshq.org

NEMA (ASC C12)

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

Paul Orr
Pau_orr@nema.org

NEMA (ASC C136)

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

David Richmond
David.Richmond@nema.org

NEMA (ASC C29)

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

Paul Orr
pau_orr@nema.org

NEMA (ASC C50)

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

David Richmond
David.Richmond@nema.org

NSF

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

Monica Milla
mmilla@nsf.org

SAAMI

Sporting Arms and Ammunition
Manufacturers Institute
11 Mile Hill Road
Newtown, CT 06470
www.saami.org

Brian Osowiecki
bosowiecki@saami.org

SCTE

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

Kim Cooney
kcooney@scte.org

TIA

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

Teesha Jenkins
standards-process@tiaonline.org

ULSE

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

Julio Morales
Julio.Morales@UL.org

Marina Currie
marina.currie@ul.org

Patricia Sena
patricia.a.sena@ul.org

Shannon Henesy
shannon.henesy@ul.org

Tony Partridge
Tony.Partridge@ul.org

Vickie Hinton
Vickie.T.Hinton@ul.org

ULSE

UL Standards & Engagement
333 Pfingsten Road
Northbrook, IL 60062
<https://ulse.org/>

Elizabeth Northcott
Elizabeth.Northcott@ul.org

Jeff Prusko
jeffrey.prusko@ul.org

Megan Monsen
megan.monsen@ul.org

Mitchell Gold
mitchell.gold@ul.org

ULSE

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

Marcia Kawate
Marcia.M.Kawate@ul.org

VC (ASC Z80)

The Vision Council
225 Reinekers Lane, Suite 700
Alexandria, VA 22314
www.z80asc.com

Michele Stolberg
ascz80@thevisioncouncil.org

WCMA

Window Covering Manufacturers
Association
17 Faulkner Drive
Niantic, CT 06357
www.wcmanet.org

Michael Tierney
mtierney@kellenccompany.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 Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

IEC Standards

All-or-nothing electrical relays (TC 94)

94/786/FDIS, IEC 62246-4 ED1: Reed switches - Part 4: Application in conjunction with magnetic actuator used for magnetic sensing devices, 01/27/2023

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

100/3866/FDIS, IEC 60728-11 ED5: Cable networks for television signals, sound signals and interactive services - Part 11: Safety, 01/27/2023

100/3867/NP, PNW 100-3867 ED1: Video-Assisted Foreign Object Detection (VFOD) in the wireless power transfer system, 03/10/2023

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

46A/1613/FDIS, IEC 61196-1-123 ED1: Coaxial communication cables - Part 1-123: Electrical test methods - Test for attenuation constant of radiating cable, 01/27/2023

46C/1246/FDIS, IEC 62807-3-10 ED1: Hybrid Telecommunication Cables - Part 3-10: Outdoor hybrid cables - Family specification for FTTA hybrid communication cables, 01/27/2023

46C/1247/DTS, IEC/ TS 61156-1-2/ Ed 1.0: Multicore and Symmetrical Pair/ Quad Cables for Digital Communications – Part 1-2: Electrical transmission characteristics and test methods of symmetrical pair/quad cables, 03/10/2023

Dependability (TC 56)

56/1980/FDIS, IEC 61124 ED4: Reliability testing - Compliance tests for constant failure rate and constant failure intensity, 01/27/2023

Electrical equipment in medical practice (TC 62)

62D/2010/FDIS, IEC 60601-2-2/AMD1 ED6: Amendment 1 - Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories, 01/27/2023

Electromagnetic compatibility (TC 77)

77A/1160/NP, PNW TS 77A-1160 ED1: IEC 61000-3-17: Electromagnetic compatibility (EMC) - Part 3-17: Limits - Limitation of voltage fluctuations and flicker in public low-voltage systems - Energy-producing equipment with rated current less than or equal to 75 A per phase, 03/10/2023

Fibre optics (TC 86)

86A/2274/CD, IEC 60794-1-124 ED1: Optical fibre cables - Part 1-124: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Installation test for microduct cabling, Method E24, 03/10/2023

86A/2272/FDIS, IEC 60794-1-308 ED1: Optical fibre cables - Part 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon residual twist test, method G8, 01/27/2023

86C/1849/FDIS, IEC 61291-2 ED5: Optical amplifiers - Part 2: Single channel applications - Performance specification template, 01/27/2023

86B/4707/CD, IEC 61755-3-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 02/10/2023

86B/4708/CD, IEC 61755-3-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres - angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 02/10/2023

86C/1850/CD, IEC 61757-6-1 ED1: Fibre optic sensors - Part 6-1: Displacement measurement - Displacement sensors based on fibre Bragg gratings, 03/10/2023

86B/4712/CD, IEC 63267-2-2 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibre - Part 2-2: Connection parameters of physically contacting 50µm core diameter fibres - Non-angled and angled for reference connector applications, 02/10/2023

Flat Panel Display Devices (TC 110)

110/1487/NP, PNW 110-1487 ED1: Future 63145-201-10: Eyewear display - Part 201-10: Measurement methods for VR type - Optical properties of a single component lens used for eyepieces, 02/10/2023

Hydraulic turbines (TC 4)

4/453/CD, IEC 60041 ED4: Field acceptance tests to determine the hydraulic performance of hydraulic turbines, storage pumps and pump-turbines, 03/10/2023

Lamps and related equipment (TC 34)

34A/2327/CD, IEC 62868-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, 03/10/2023

Measuring equipment for electromagnetic quantities (TC 85)

85/856/CD, IEC TR 61557-1 ED1: Guidance for the verification of residual current monitoring devices (RCMs) in low voltage electrical installations, 03/10/2023

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

113/730/CD, IEC TS 62565-5-3 ED1: Nanomanufacturing - Material specifications - Part 5-3: Nanosized silicon anode material - Blank detail specification, 02/10/2023

113/732/NP, PNW 113-732 ED1: Nanomanufacturing - Key control characteristic - Part 6-31: Graphene in powder form - Specific surface area: Brunauer-Emmett-Teller method, 03/10/2023

113/733/NP, PNW 113-733 ED1: Nanomanufacturing - Key control characteristic - Part 4-11: Nano-carbon electrode materials - Dispersion stability: Zeta potential method, 03/10/2023

113/734/NP, PNW TS 113-734 ED1: Nanomanufacturing - Key control characteristics - Part 6-33: Graphene - Defect density: Electron Energy Loss Spectroscopy (EELS), 03/10/2023

113/736/NP, PNW TS 113-736 ED1: Nanomanufacturing - Key Control characteristics - Part 6-35: Graphene - Density: free-pouring, tapping, compressing, 03/10/2023

Nuclear instrumentation (TC 45)

45B/1020/FDIS, IEC 61098 ED3: Radiation protection instrumentation - Installed personnel surface contamination monitors, 01/27/2023

Performance of household electrical appliances (TC 59)

59L/230/NP, PNW TS 59L-230 ED1: Electrically operated spray seats for household and similar use - Methods for measuring the performance - Part 2: Management of test media for measuring spray performance of spray seat, 03/10/2023

Power electronics (TC 22)

22/361/CDV, IEC 60146-1-1 ED5: Semiconductor converters - General requirements and line commutated converters - Part 1 -1: Specification of basic requirements, 03/10/2023

Safety of household and similar electrical appliances (TC 61)

61C/897/CD, IEC 60335-2-34 ED7: Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors, 03/10/2023

Semiconductor devices (TC 47)

47A/1148/CDV, IEC 62228-5/AMD1 ED1: Amendment 1 - Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers, 03/10/2023

Solar photovoltaic energy systems (TC 82)

82/2103/CD, IEC TS 63202-6 ED1: Photovoltaic cells - Part 6: Hot water soaking test for crystalline silicon solar cells, 03/10/2023

Standard voltages, current ratings and frequencies (TC 8)

8/1649/DTS, IEC TS 62786-41 ED1: Distributed energy resources connection with the grid – Part 41 Requirements for frequency measurement used to control DER and loads, 03/10/2023

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

121A/543/CD, IEC 60947-3/AMD1 ED4: Amendment 1 - Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units, 03/10/2023

121A/542/CD, IEC 60947-5-5 ED2: Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function, 03/10/2023

Ultrasonics (TC 87)

87/826/CD, IEC 62127-2 ED2: Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields, 03/10/2023

ISO/IEC JTC 1, Information Technology**(JTC1)**

JTC1-SC41/326/FDIS, ISO/IEC 30161-2 ED1: Internet of Things (IoT) - Data exchange platform for IoT services - Part 2: Transport interoperability between nodal points, 02/10/2023



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 24583:2022](#), Quantitative nuclear magnetic resonance spectroscopy - Purity determination of organic compounds used for foods and food products - General requirements for ¹H NMR internal standard method, \$200.00

Air quality (TC 146)

[ISO 23032:2022](#), Meteorology - Ground-based remote sensing of wind - Radar wind profiler, \$250.00

Anaesthetic and respiratory equipment (TC 121)

[ISO 81060-3:2022](#), Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type, \$200.00

Corrosion of metals and alloys (TC 156)

[ISO 4680:2022](#), Corrosion of metals and alloys - Uniaxial constant-load test method for evaluating susceptibility of metals and alloys to stress corrosion cracking in high-purity water at high temperatures, \$175.00

[ISO 5156:2022](#), Corrosion of metals and alloys - Corrosion test method for disinfectant - Total immersion method, \$73.00

Fasteners (TC 2)

[ISO 14581:2022](#), Fasteners - Hexalobular socket countersunk flat head screws (common head style) with reduced loadability, \$73.00

[ISO 7380-1:2022](#), Fasteners - Button head screws with reduced loadability - Part 1: Hexagon socket button head screws, \$73.00

[ISO 7380-2:2022](#), Fasteners - Button head screws with reduced loadability - Part 2: Hexagon socket button head screws with collar, \$73.00

Fine ceramics (TC 206)

[ISO 18755:2022](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of thermal diffusivity of monolithic ceramics by flash method, \$200.00

Fluid power systems (TC 131)

[ISO 23369:2022](#), Hydraulic fluid power - Multi-pass method of evaluating filtration performance of a filter element under cyclic flow conditions, \$175.00

Health Informatics (TC 215)

[ISO/IEEE 11073-10404:2022](#), Health informatics - Device interoperability - Part 10404: Personal health device communication - Device specialization - Pulse oximeter, \$225.00

[ISO/IEEE 11073-10407:2022](#), Health informatics - Device interoperability - Part 10407: Personal health device communication - Device specialization - Blood pressure monitor, \$225.00

[ISO/IEEE 11073-10408:2022](#), Health informatics - Device interoperability - Part 10408: Personal health device communication - Device specialization - Thermometer, \$200.00

[ISO/IEEE 11073-10415:2022](#), Health informatics - Device interoperability - Part 10415: Personal health device communication - Device specialization - Weighing scale, \$200.00

[ISO/IEEE 11073-10420:2022](#), Health informatics - Device interoperability - Part 10420: Personal health device communication - Device specialization - Body composition analyzer, \$225.00

[ISO/IEEE 11073-20601:2022](#), Health informatics - Device interoperability - Part 20601: Personal health device communication - Application profile - Optimized exchange protocol, \$250.00

Hydrometric determinations (TC 113)

[ISO 4359:2022](#), Flow measurement structures - Rectangular, trapezoidal and U-shaped flumes, \$225.00

Nuclear energy (TC 85)

[ISO 16659-1:2022](#), Ventilation systems for nuclear facilities - In-situ efficiency test methods for iodine traps with solid sorbent - Part 1: General requirements, \$149.00

Plastics (TC 61)

[ISO 3616:2022](#), Textile glass - Chopped-strand and continuous-filament mats - Determination of average thickness, thickness under load and recovery after compression, \$73.00

Prosthetics and orthotics (TC 168)

[ISO 29782:2022](#), Prostheses and orthoses - Factors to be considered when specifying a prosthesis for a person who has had a lower limb amputation, \$48.00

Road vehicles (TC 22)

[ISO 15830-2:2022](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 2: Mechanical subsystems, \$225.00

Security (TC 292)

[ISO 22322:2022](#), Security and resilience - Emergency management - Guidelines for public warning, \$73.00

[ISO 22324:2022](#), Security and resilience - Emergency management - Guidelines for colour-coded alert, \$73.00

Small craft (TC 188)

[ISO 12217-1:2022](#), Small craft - Stability and buoyancy assessment and categorization - Part 1: Non-sailing boats of hull length greater than or equal to 6 m, \$225.00

[ISO 12217-2:2022](#), Small craft - Stability and buoyancy assessment and categorization - Part 2: Sailing boats of hull length greater than or equal to 6 m, \$250.00

[ISO 12217-3:2022](#), Small craft - Stability and buoyancy assessment and categorization - Part 3: Boats of hull length less than 6 m, \$225.00

Welding and allied processes (TC 44)

[ISO 9455-6:2022](#), Soft soldering fluxes - Test methods - Part 6: Determination and detection of halide (excluding fluoride) content, \$111.00

ISO Technical Reports**Banking and related financial services (TC 68)**

[ISO/TR 6083:2022](#), Best practices for an internal BPoS handbook, \$111.00

Nuclear energy (TC 85)

[ISO/TR 24422:2022](#), Development of a water equivalent phantom to measure the physical characteristics of specific radiosurgery treatment devices, \$73.00

ISO Technical Specifications**Acoustics (TC 43)**

[ISO/TS 20065:2022](#), Acoustics - Objective method for assessing the audibility of tones in noise - Engineering method, \$175.00

Geosynthetics (TC 221)

[ISO/TS 20432:2022](#), Guidelines for the determination of the long-term strength of geosynthetics for soil reinforcement, \$175.00

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

[ISO/TS 16901:2022](#), Guidance on performing risk assessment in the design of onshore LNG installations including the ship/shore interface, \$225.00

Nanotechnologies (TC 229)

[ISO/TS 23367-1:2022](#), Nanotechnologies - Performance characteristics of nanosensors for chemical and biomolecule detection - Part 1: Detection performance, \$73.00

Sterilization of health care products (TC 198)

[ISO/TS 5111:2022](#), Guidance on quality of water for sterilizers, sterilization and washer-disinfectors for health care products, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30105-8:2022](#), Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 8: Continual performance improvement (CPI) of ITES-BPO, \$149.00

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

[IEC 61196-5 Ed. 4.0 en:2022](#), Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, \$133.00

[IEC 61196-5 Ed. 4.0 en:2022 CMV](#), Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, \$227.00

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60539-1 Ed. 4.0 b:2022](#), Directly heated negative temperature coefficient thermistors - Part 1: Generic specification, \$392.00

Electrical equipment in medical practice (TC 62)

[IEC 60601-2-83 Amd.1 Ed. 1.0 b:2022](#), Amendment 1 - Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment, \$25.00

[IEC 60601-2-83 Ed. 1.1 b:2022](#), Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment, \$380.00

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

[IEC 61076-2-116 Ed. 1.0 b:2022](#), Connectors for electrical and electronic equipment - Product requirements - Part 2-116: Detail specification for circular connectors size 15 with up to 3 +PE power contacts and auxiliary contacts, with bayonet-locking, \$310.00

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

[IEC 60721-2-6 Ed. 2.0 b:2022](#), Classification of environmental conditions - Part 2-6: Environmental conditions appearing in nature - Earthquake vibration and shock, \$183.00

Fibre optics (TC 86)

[IEC 62149-4 Ed. 3.0 b:2022](#), Fibre optic active components and devices - Performance standards - Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application, \$89.00

[S+ IEC 62149-4 Ed. 3.0 en:2022 \(Redline version\)](#), Fibre optic active components and devices - Performance standards - Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application, \$115.00

Lamps and related equipment (TC 34)

[IEC 62386-202 Ed. 2.0 b:2022](#), Digital addressable lighting interface - Part 202: Particular requirements for control gear - Self-contained emergency lighting (device type 1), \$392.00

Measuring relays and protection equipment (TC 95)

[IEC 60255-1 Ed. 2.0 b:2022](#), Measuring relays and protection equipment - Part 1: Common requirements, \$310.00

Other

[IEC SRD 63152-2 Ed. 1.0 en:2022](#), Smart cities - City service continuity - Implementation guideline and city service cases, \$392.00

Performance of household electrical appliances (TC 59)

[IEC 60456 Amd.1 Ed. 5.0 b:2022](#), Amendment 1 - Clothes washing machines for household use - Methods for measuring the performance, \$25.00

[IEC 60456 Ed. 5.1 b:2022](#), Clothes washing machines for household use - Methods for measuring the performance, \$633.00

Ultrasonics (TC 87)

[IEC 62127-3 Ed. 2.0 b:2022](#), Ultrasonics - Hydrophones - Part 3: Properties of hydrophones for ultrasonic fields, \$259.00

[S+ IEC 62127-3 Ed. 2.0 en:2022 \(Redline version\)](#), Ultrasonics - Hydrophones - Part 3: Properties of hydrophones for ultrasonic fields, \$338.00

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

TC 199, Safety of machinery

Meeting Time: January 26-27, 2023

The **U.S. TAG to ISO/TC199**, Safety of machinery will hold a meeting on **26-27 January 2023 at Exponent** in Menlo Park, CA. If you have an interest in participating in this meeting as an observer or would like more information, please contact David Felinski at (dfelinski@b11standards.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 and makes available these notifications. 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 (<https://epingalert.org/>) 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. To register for ePing, please visit: <https://epingalert.org/>

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 available at: <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Enquiry Point, please visit:

<https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov



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

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| 11 | 2/28/2023 | 3/6/2023 | Mar 17 | 4/16/2023 | 5/1/2023 | 5/16/2023 |
| 12 | 3/7/2023 | 3/13/2023 | Mar 24 | 4/23/2023 | 5/8/2023 | 5/23/2023 |
| 13 | 3/14/2023 | 3/20/2023 | Mar 31 | 4/30/2023 | 5/15/2023 | 5/30/2023 |
| 14 | 3/21/2023 | 3/27/2023 | Apr 7 | 5/7/2023 | 5/22/2023 | 6/6/2023 |
| 15 | 3/28/2023 | 4/3/2023 | Apr 14 | 5/14/2023 | 5/29/2023 | 6/13/2023 |
| 16 | 4/4/2023 | 4/10/2023 | Apr 21 | 5/21/2023 | 6/5/2023 | 6/20/2023 |
| 17 | 4/11/2023 | 4/17/2023 | Apr 28 | 5/28/2023 | 6/12/2023 | 6/27/2023 |
| 18 | 4/18/2023 | 4/24/2023 | May 5 | 6/4/2023 | 6/19/2023 | 7/4/2023 |
| 19 | 4/25/2023 | 5/1/2023 | May 12 | 6/11/2023 | 6/26/2023 | 7/11/2023 |
| 20 | 5/2/2023 | 5/8/2023 | May 19 | 6/18/2023 | 7/3/2023 | 7/18/2023 |
| 21 | 5/9/2023 | 5/15/2023 | May 26 | 6/25/2023 | 7/10/2023 | 7/25/2023 |
| 22 | 5/16/2023 | 5/22/2023 | Jun 2 | 7/2/2023 | 7/17/2023 | 8/1/2023 |
| 23 | 5/23/2023 | 5/29/2023 | Jun 9 | 7/9/2023 | 7/24/2023 | 8/8/2023 |
| 24 | 5/30/2023 | 6/5/2023 | Jun 16 | 7/16/2023 | 7/31/2023 | 8/15/2023 |
| 25 | 6/6/2023 | 6/12/2023 | Jun 23 | 7/23/2023 | 8/7/2023 | 8/22/2023 |
| 26 | 6/13/2023 | 6/19/2023 | Jun 30 | 7/30/2023 | 8/14/2023 | 8/29/2023 |
| 27 | 6/20/2023 | 6/26/2023 | Jul 7 | 8/6/2023 | 8/21/2023 | 9/5/2023 |

| ISSUE | SUBMIT START | *SUBMIT END 5 PM | SA PUBLISHED | 30-DAY PR END | 45-DAY PR END | 60-DAY PR END |
|-------|--------------|------------------|---------------|---------------|---------------|---------------|
| 28 | 6/27/2023 | 7/3/2023 | Jul 14 | 8/13/2023 | 8/28/2023 | 9/12/2023 |
| 29 | 7/4/2023 | 7/10/2023 | Jul 21 | 8/20/2023 | 9/4/2023 | 9/19/2023 |
| 30 | 7/11/2023 | 7/17/2023 | Jul 28 | 8/27/2023 | 9/11/2023 | 9/26/2023 |
| 31 | 7/18/2023 | 7/24/2023 | Aug 4 | 9/3/2023 | 9/18/2023 | 10/3/2023 |
| 32 | 7/25/2023 | 7/31/2023 | Aug 11 | 9/10/2023 | 9/25/2023 | 10/10/2023 |
| 33 | 8/1/2023 | 8/7/2023 | Aug 18 | 9/17/2023 | 10/2/2023 | 10/17/2023 |
| 34 | 8/8/2023 | 8/14/2023 | Aug 25 | 9/24/2023 | 10/9/2023 | 10/24/2023 |
| 35 | 8/15/2023 | 8/21/2023 | Sep 1 | 10/1/2023 | 10/16/2023 | 10/31/2023 |
| 36 | 8/22/2023 | 8/28/2023 | Sep 8 | 10/8/2023 | 10/23/2023 | 11/7/2023 |
| 37 | 8/29/2023 | 9/4/2023 | Sep 15 | 10/15/2023 | 10/30/2023 | 11/14/2023 |
| 38 | 9/5/2023 | 9/11/2023 | Sep 22 | 10/22/2023 | 11/6/2023 | 11/21/2023 |
| 39 | 9/12/2023 | 9/18/2023 | Sep 29 | 10/29/2023 | 11/13/2023 | 11/28/2023 |
| 40 | 9/19/2023 | 9/25/2023 | Oct 6 | 11/5/2023 | 11/20/2023 | 12/5/2023 |
| 41 | 9/26/2023 | 10/2/2023 | Oct 13 | 11/12/2023 | 11/27/2023 | 12/12/2023 |
| 42 | 10/3/2023 | 10/9/2023 | Oct 20 | 11/19/2023 | 12/4/2023 | 12/19/2023 |
| 43 | 10/10/2023 | 10/16/2023 | Oct 27 | 11/26/2023 | 12/11/2023 | 12/26/2023 |
| 44 | 10/17/2023 | 10/23/2023 | Nov 3 | 12/3/2023 | 12/18/2023 | 1/2/2024 |
| 45 | 10/24/2023 | 10/30/2023 | Nov 10 | 12/10/2023 | 12/25/2023 | 1/9/2024 |
| 46 | 10/31/2023 | 11/6/2023 | Nov 17 | 12/17/2023 | 1/1/2024 | 1/16/2024 |
| 47 | 11/7/2023 | 11/13/2023 | Nov 24 | 12/24/2023 | 1/8/2024 | 1/23/2024 |
| 48 | 11/14/2023 | 11/20/2023 | Dec 1 | 12/31/2023 | 1/15/2024 | 1/30/2024 |
| 49 | 11/21/2023 | 11/27/2023 | Dec 8 | 1/7/2024 | 1/22/2024 | 2/6/2024 |
| 50 | 11/28/2023 | 12/4/2023 | Dec 15 | 1/14/2024 | 1/29/2024 | 2/13/2024 |
| 51 | 12/5/2023 | 12/11/2023 | Dec 22 | 1/21/2024 | 2/5/2024 | 2/20/2024 |
| 52 | 12/12/2023 | 12/18/2023 | Dec 29 | 1/28/2024 | 2/12/2024 | 2/27/2024 |



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

Public Review Draft

**Proposed Addendum a to
Standard 90.1-2019, Energy Standard
for Sites and Buildings Except Low-
Rise Residential Buildings**

**First Public Review (November 2022)
(Draft Shows Proposed Changes to Current Standard)**

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

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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

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(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 proposes a change to Appendix G to address a known issue with how purchased heating and cooling is handled in Appendix G. Prior to adoption of a stable baseline in Appendix G, purchased heating and cooling were treated as energy neutral. With the adoption of a stable baseline and BPF factors, a proposed design using purchased heating and cooling has more difficulty meeting the PCI target. The proposed change addresses this issue by requiring purchased heating and cooling to be modeled in the proposed design as being supplied by a minimally code compliant hot and chilled water plant.

This addendum also proposes a change to the wording of Sections G3.1.3.2 through G3.1.3.11 to clarify baseline building requirements.

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

Addendum a

Proposed Changes to Appendix G

G2.4.2 Annual Energy Costs

a. The *design energy cost* and *baseline energy cost* shall be determined using either actual rates for *purchased energy* or state average *energy* prices published by DOE’s Energy Information Administration (EIA) for commercial *building* customers, but rates from different sources ~~may~~shall not be mixed in the same project.

Exceptions to G2.4.2 (a)

1. Where the proposed design utilizes purchased hot water, steam, or chilled water, such projects shall be modeled as using purchased electricity or gas in accordance with the Proposed Building Performance column of Table G3.1 No. 10 items e and f, and No.11 item g.

2. Where natural gas must be modeled in the baseline following Tables G3.1.1-2 or G3.1.1-3 but is not available at the building site, the state average energy prices published by EIA shall be used for natural gas, and either the actual rates published by the utility serving the building or state average *energy* prices published by EIA shall be used for electricity.

b. Where *on-site renewable energy* or *site-recovered energy* is used, the *baseline building design* shall be based on the *energy* source used as the backup *energy* source, or the baseline *system energy* source in that category if no backup *energy* source has been specified, except where the baseline *energy* source is prescribed in Tables G3.1.1-2 and G3.1.1-3

c. Where the proposed design includes *on-site electricity generation systems* other than *on-site renewable energy systems*, the baseline design shall include the same generation systems excluding its *site-recovered energy*.

Informative Note

The above provision allows users to gain credit for features that yield load management benefits. Where such features are not present, users can simply use state average unit prices from EIA, which are updated annually and readily available on EIA’s web site (<http://www.eia.gov>).

.....

Table G3.1

| No. | Proposed <i>Building Performance</i> | <i>Baseline Building Performance</i> |
|-----|---|--|
| 10. | <i>HVAC Systems</i> | |
| | The <i>HVAC system</i> type and all related performance parameters in the <i>proposed design</i> , such as <i>equipment</i> capacities and efficiencies, shall be determined as follow s: | The <i>HVAC systems</i> in the <i>baseline building design</i> shall be of the type and description specified in Section G3.1.1, shall meet the general <i>HVAC system</i> requirements specified in Section G3.1.2, and shall meet any <i>system-specific</i> requirements in Section G3.1.3 that are applicable to the baseline <i>HVAC system</i> types. |
| a. | Where a complete <i>HVAC system</i> exists, the model shall reflect the actual <i>system</i> type using actual component capacities and efficiencies. | If the <i>proposed design</i> includes humidification then the <i>baseline building design</i> shall use adiabatic humidification. |
| b. | Where an <i>HVAC system</i> has been designed and submitted w ith design documents, the HVAC model shall be consistent w ith design documents. Mechanical <i>equipment</i> efficiencies shall be adjusted from actual <i>design conditions</i> to the standard rating conditions specified in Section 6.4.1 if required by the simulation model. Where <i>efficiency</i> ratings include supply fan <i>energy</i> , the <i>efficiency</i> rating shall be adjusted to remove the supply fan <i>energy</i> from the <i>efficiency</i> rating in the <i>baseline building design</i> . The equations in Section G3.1.2.1 shall not be used in the <i>proposed design</i> . The <i>proposed design HVAC system</i> shall be modeled using <i>manufacturers'</i> full- and part-load data for the HVAC system w ithout fan power. | Exceptions: If the proposed <i>building</i> humidification <i>system</i> complies with Section 6.5.2.4 then the <i>baseline building design</i> shall use nonadiabatic humidification. For <i>systems</i> serving <i>computer rooms</i> , the <i>baseline building design</i> shall not have <i>reheat</i> for the purpose of dehumidification. <i>Fossil fuel systems</i> shall be modeled using natural gas as their <i>fuel</i> source. |
| c. | Where no heating <i>system</i> exists or no heating <i>system</i> has been submitted w ith design documents, the <i>system</i> type shall be the same <i>system</i> as modeled in the <i>baseline</i> | Exceptions: For fossil fuel systems where natural gas is not available for the proposed site or building as determined by the rating authority, the baseline HVAC systems shall be modeled using propane as their fuel. |

building design and shall comply with but not exceed the mandatory and prescriptive requirements of Section 6.

- d. Where no cooling *system* exists or no cooling *system* has been submitted with design documents, the cooling *system* type shall be the same as modeled in the *baseline building design* and shall comply with the requirements of Section 6.

Exception: Spaces using baseline HVAC system types 9 and 10.

- e. Systems in the *proposed design* that use purchased hot water or purchased steam for space heating shall be modeled with forced draft boiler(s) that comply with but do not exceed the mandatory and prescriptive requirements of Section 6. The number of boilers and boiler controls shall meet the requirements of Sections G3.2.3.2 through G3.2.3.6
- f. Systems in the *proposed design* that use purchased chilled water shall be modeled with the type and number of chillers determined by following Sections G3.2.3.7 through G3.2.3.11 using equipment efficiency and controls that comply with but not exceed the mandatory and prescriptive requirements of Section 6.

11. Service Water-Heating Systems

The *service water-heating system* type and all related performance parameters, such as *equipment* capacities and efficiencies, in the *proposed design* shall be determined as follows:

- ...
- g. Systems in the *proposed design* that use purchased hot water or purchased steam for service water heating shall be modeled with the same service water heating system type as in the baseline design and shall comply with but not exceed the mandatory and prescriptive requirements of Section 7.

- h. Gas storage *water heaters* shall be modeled using natural gas as their *fuel*.

Exceptions:

~~Where natural gas is not available for the proposed site or building, as determined by the rating authority, gas storage water heaters shall be modeled using propane as their fuel.~~

G3.1.1.1 — Purchased Heat

~~For systems using purchased hot water or steam, heating source shall be modeled as purchased hot water or steam in both the proposed design and baseline building design. Hot water or steam costs shall be based on actual utility rates; site boilers, electric heat, and furnaces shall not be modeled in the baseline building design.~~

G3.1.1.2 — Purchased Cooling

~~For systems using purchased chilled water, the cooling source shall be modeled as purchased chilled water in both the *proposed design* and *baseline building design*. Purchased chilled water costs shall be based on actual utility rates, and on-site chillers and direct expansion equipment shall not be modeled in the *baseline building design*.~~

G3.1.1.3 — Baseline HVAC System Requirements for Systems Utilizing Purchased Chilled Water and/or Purchased Heat

~~If the proposed design uses purchased chilled water and/or purchased heat, the following modifications to the corresponding baseline HVAC system types in Table G3.1.1.4 shall be used.~~

~~Systems using purchased heating and/or purchased cooling in either the *proposed design* or the *baseline building design* shall comply with the requirements of this Section.~~

G3.1.1.3.1 — Purchased Heat Only

~~If a proposed design uses purchased heat, but does not use purchased chilled water, then Tables G3.1.1.3 and G3.1.1.4 shall be used to select the baseline HVAC system type, and purchased heat shall be substituted for the heating type in Table G3.1.1.4. The same heating source shall be used in the *proposed design* and *baseline building design*.~~

G3.1.1.3.2 — Purchased Chilled Water Only

~~If a proposed design uses purchased chilled water but does not use purchased heat, then Tables G3.1.1.3 and G3.1.1.4 shall be used to select the baseline HVAC system type, with the modifications listed below:~~

- a. ~~Purchased chilled water shall be substituted for the cooling types in Table G3.1.1.4.~~
- b. ~~System 1 and 2 shall be constant volume fan coil units with fossil fuel boilers.~~
- c. ~~System 3 and 4 shall be constant volume single-zone air handlers with fossil fuel furnaces.~~
- d. ~~System 7 shall be used in place of System 5.~~
- e. ~~System 8 shall be used in place of System 6.~~

~~G3.1.1.3.3 — Purchased Chilled Water and Purchased Heat~~

~~If a proposed design uses purchased chilled water and purchased heat, then Tables G3.1.1.3 and G3.1.1.4 shall be used to select the baseline HVAC system type, with the following modifications:~~

- ~~a. Purchased heat and purchased chilled water shall be substituted for the heating types and cooling types in Table G3.1.1.4.~~
- ~~b. System 1 shall be constant volume fan coil units.~~
- ~~c. System 3 shall be constant volume single zone air handlers.~~
- ~~d. System 7 shall be used in place of System 5.~~

~~G3.1.1.3 — G3.1.1.3.4 On Site Distribution Pumps~~

~~All on site distribution pumps shall be modeled in both the proposed design and base building design.~~

.....



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

Public Review Draft

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

**Second Public Review (December 2022)
(Draft Shows Proposed Changes to Current Standard)**

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

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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(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

Tables 6.8.1-13 and 6.8.1-14 of Standard 90.1 address the minimum efficiency requirements for Electrically Operated DX-DOAS Units, Single-Package and Remote Condenser, without and with Energy Recovery, respectively. Presently, these minimum efficiency requirements are based on ISMRE for dehumidification and ISCOP for heating, referencing AHRI 920-2015, *Performance Rating of Direct Expansion-Dedicated Outdoor Air System Units*.

In 2020, AHRI published a significant revision to the test procedure AHRI 920-2020 with Addendum 1, *Performance Rating of Direct Expansion-Dedicated Outdoor Air System Units* (available for free on AHRI's website, here:

https://ahrinet.org/App_Content/ahri/files/STANDARDS/AHRI/AHRI_Standard_920_I-P_2020_add1.pdf)

AHRI 920-2020 is technically superior to AHRI 920-2015. AHRI 920-2020 transitioned the primary metric from ISMRE to ISMRE2. DX-DOAS units are no longer required to reheat to “neutral air” (70-75 °F) on the supply airstream. With changed standard rating conditions, a name change was important to avoid confusion with ISMRE calculated using the 2015 standard. ISMRE2 calculation weights used with MRE values at conditions A, B, C, and D are different than ISMRE's. Conditions C and D vary between the 2015 and 2020 versions and the return air condition changes at Point D are unfavorable with ERV. Supply Air Fan (SAF) external static pressure (ESP) increased about 0.6 in.wg., or 150-percent, between the 2015 and 2020 versions depending on unit size. Return air flow (RAF) ESP, required with ERV, increased static pressure similarly to SAF ESP. It should also be noted that part-load unloading requirements are much more demanding. A C_d penalty of 35-percent is applied whenever compressor capacity cannot be reduced to match load. Excess moisture removal capacity beyond the design leaving dew point is no longer credited at part load conditions.

Likewise, ISCOP has transitioned to ISCOP2. ISCOP2 includes a new COP_{DOAS} metric, which essentially includes the same changes as the transition from ISMRE to ISMRE2.

Developing a crosswalk between ISMRE and ISCOP to ISMRE2 and ISCOP2 has been difficult because of the testing difficulties with 920-2015 and the many changes between the editions. AHRI has held approximately 23 meetings since June 2020 to discuss the crosswalk with relevant stakeholders, including DOE contractors and California utility consultants (CA IOUs). During the process, AHRI collected 21 data points that were < 324 lb/hr MRC and had both ISMRE & ISMRE2 ratings. DOE gathered four data points and the CA IOUs collected one data point. All AHRI data collected was provided to DOE consultant, Guidehouse, under a non-disclosure agreement to protect sensitive technical information. While work was ongoing to map the relationship between ISCOP to ISCOP2 through the AHRI group,

the U.S. Department of Energy (DOE) and DOE consultants continued a separate analysis cumulating in the February 1, 2022, publication of a proposed rule to adopt energy conservation standards.¹

To ensure marketplace consistency with DOE’s proposed adoption of ISMRE2 and IS COP2 levels based on AHRI 920-2020, this addendum proposes the following changes:

1. Updates existing ASHRAE Standard 90.1-2019 ISMRE and IS COP standards to ISMRE2 and IS COP2 standards using the crosswalk analysis proposed by DOE in the February 1, 2022, notice of proposed rule for eight equipment classes.
2. For the four equipment classes covered by 90.1, but not considered by DOE, this addendum updates existing ASHRAE Standard 90.1-2019 ISMRE and IS COP standards to ISMRE2 and IS COP2 standards based on an industry analysis. Four of these equipment classes will be combined into two.
3. Adds AHRI Standard 920-2020 to Section 12, Normative References

Economic Analysis

This is an update to the test procedure referenced and will have no economic impact.

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

Addendum cv to ANSI/ASHRAE/IES Standard 90.1-2019

Make the following changes to Tables 6.8.1-13 and 6.8.1-14 (IP)

Table 6.8.1-13 Electrically Operated DX-DOAS Units, Single-Package and Remote Condenser, without Energy Recovery— Minimum Efficiency Requirements

| Equipment Type | Subcategory or Rating Condition | Minimum Efficiency | Test Procedure |
|---|---|------------------------------------|----------------|
| Air cooled (dehumidification mode) | | 4.0 <u>3.8</u> ISMRE2 | AHRI 920 |
| Air source heat pumps (dehumidification mode) | | 4.0 <u>3.8</u> ISMRE2 | AHRI 920 |
| Water cooled (dehumidification mode) | Cooling tower condenser water | 4.0 <u>4.7</u> ISMRE2 | AHRI 920 |
| | Chilled Water | 6.0 <u>3.8</u> ISMRE2 | |
| Air source heat pump (heating mode) | | 2.7 <u>2.05</u> IS COP2 | AHRI 920 |
| Water source heat pump (dehumidification mode) | Ground source, closed <u>and open</u> loop ^a | 4.8 <u>4.6</u> ISMRE2 | AHRI 920 |
| | Ground-water source | 5.0 ISMRE | |
| | Water source | 4.0 <u>3.8</u> ISMRE2 | |
| Water source heat pump (heating mode) | Ground source, closed <u>and open</u> loop ^a | 2.0 <u>2.13</u> IS COP2 | AHRI 920 |
| | Ground-water source | 3.2 IS COP | |
| | Water source | 3.5 <u>2.13</u> IS COP2 | |

¹ 87 FR 5560 (February 1, 2022) <https://www.regulations.gov/document/EERE-2017-BT-STD-0017-0008>

Note a: For minimum efficiency compliance purposes, open loop systems shall be rated using closed-loop test conditions.

Table 6.8.1-14 Electrically Operated DX-DOAS Units, Single-Package and Remote Condenser, with Energy Recovery— Minimum Efficiency Requirements

| Equipment Type | Subcategory or Rating Condition | Minimum Efficiency | Test Procedure |
|--|---|---|----------------|
| Air cooled (dehumidification mode) | | 5.2 <u>5.0</u> <i>ISMRE₂</i> | AHRI 920 |
| Air source heat pumps (dehumidification mode) | | 5.2 <u>5.0</u> <i>ISMRE₂</i> | AHRI 920 |
| Water cooled (dehumidification mode) | Cooling tower condenser water | 5.3 <u>5.1</u> <i>ISMRE₂</i> | AHRI 920 |
| | Chilled Water | 6.6 <u>4.6</u> <i>ISMRE₂</i> | |
| Air source heat pump (heating mode) | | 3.3 <u>3.20</u> <i>ISCOP₂</i> | AHRI 920 |
| Water source heat pump (dehumidification mode) | Ground source, closed <u>and open</u> loop ^a | 5.2 <u>5.0</u> <i>ISMRE₂</i> | AHRI 920 |
| | Ground water source | 5.8 <i>ISMRE</i> | |
| | Water source | 4.8 <u>4.6</u> <i>ISMRE₂</i> | |
| Water source heat pump (heating mode) | Ground source, closed <u>and open</u> loop ^a | 3.8 <u>3.5</u> <i>ISCOP₂</i> | AHRI 920 |
| | Ground water source | 4.0 <i>ISCOP</i> | |
| | Water source | 4.8 <u>4.04</u> <i>ISCOP₂</i> | |

Note a: For minimum efficiency compliance purposes, open loop systems shall be rated using closed-loop test conditions.

12 Normative References

| Reference | Title |
|---|---|
| ANSI/AHRI 920-2015 2020 <u>with Addendum 1</u> | Performance Rating of DX-Dedicated Outdoor Air System Units |

Make the following changes to Tables 6.8.1-13 and 6.8.1-14 (SI)

Table 6.8.1-13 Electrically Operated DX-DOAS Units, Single-Package and Remote Condenser, without Energy Recovery— Minimum Efficiency Requirements

| Equipment Type | Subcategory or Rating Condition | Minimum Efficiency | Test Procedure |
|--|---|---|----------------|
| Air cooled (dehumidification mode) | | 4.8 <u>1.7</u> <i>ISMRE₂</i> | AHRI 921 |
| Air source heat pumps (dehumidification mode) | | 4.8 <u>1.7</u> <i>ISMRE₂</i> | AHRI 921 |
| Water cooled (dehumidification mode) | Cooling tower condenser water | 2.2 <u>2.1</u> <i>ISMRE₂</i> | AHRI 921 |
| | Chilled Water | 2.7 <u>1.7</u> <i>ISMRE₂</i> | |
| Air source heat pump (heating mode) | | 4.2 <u>2.05</u> <i>ISCOP₂</i> | AHRI 921 |
| Water source heat pump (dehumidification mode) | Ground source, closed <u>and open</u> loop ^a | 2.2 <u>2.1</u> <i>ISMRE₂</i> | AHRI 921 |
| | Ground water source | 2.3 <i>ISMRE</i> | |
| | Water source | 4.8 <u>1.7</u> <i>ISMRE₂</i> | |

| | | | |
|--|---|---|----------|
| Water source heat pump (heating mode) | Ground source, closed <u>and open</u> loop ^a | 2.0 <u>2.10</u> /SCOP ₂ | AHRI 921 |
| | Ground-water source | 3.2 /SCOP | |
| | Water source | 3.5 <u>2.13</u> /SCOP ₂ | |

Note a: For minimum efficiency compliance purposes, open loop systems shall be rated using closed-loop test conditions.

Table 6.8.1-14 Electrically Operated DX-DOAS Units, Single-Package and Remote Condenser, with Energy Recovery— Minimum Efficiency Requirements

| Equipment Type | Subcategory or Rating Condition | Minimum Efficiency | Test Procedure |
|---|---|---|----------------|
| Air cooled (dehumidification mode) | | 2.4 <u>2.3</u> /SMRE ₂ | AHRI 921 |
| Air source heat pumps (dehumidification mode) | | 2.4 <u>2.3</u> /SMRE ₂ | AHRI 921 |
| Water cooled (dehumidification mode) | Cooling tower condenser water | 2.4 <u>2.3</u> /SMRE ₂ | AHRI 921 |
| | Chilled Water | 3.0 <u>2.1</u> /SMRE ₂ | |
| Air source heat pump (heating mode) | | 3.3 <u>3.20</u> /SCOP ₂ | AHRI 921 |
| Water source heat pump (dehumidification mode) | Ground source, closed <u>and open</u> loop ^a | 2.4 <u>2.3</u> /SMRE ₂ | AHRI 921 |
| | Ground-water source | 2.6 /SMRE | |
| | Water source | 2.2 <u>2.1</u> /SMRE ₂ | |
| Water source heat pump (heating mode) | Ground source, closed <u>and open</u> loop ^a | 3.8 <u>3.50</u> /SCOP ₂ | AHRI 921 |
| | Ground-water source | 4.0 /SCOP | |
| | Water source | 4.8 <u>4.04</u> /SCOP ₂ | |

Note a: For minimum efficiency compliance purposes, open loop systems shall be rated using closed-loop test conditions.

12 Normative References

| Reference | Title |
|--|---|
| ANSI/AHRI 921-2015 <u>2020 with Addendum 1</u> | Performance Rating of DX-Dedicated Outdoor Air System Units |