ANSI STANDARDS ACTION

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

VOL. 56, NO. 10 MARCH 7, 2025

CONTENTS

ISSN 0038-9633

Project Initiation Notification System (PINS)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Mike Miskell <mmiskell@aami.org> | 901 N. Glebe Road | Arlington, VA 22203 www.aami.org

Revision

BSR/AAMI CI86-202x, Cochlear implant systems: Requirements for safety, functional verification, labeling and reliability reporting (revision of ANSI/AAMI CI86-2017)
Stakeholders: Clinicians, manufacturers, academia

Project Need: Each manufacturer develops, characterizes, and labels the performance of their systems without any uniform requirements, leaving clinicans to chose a device based on marketing material, trial and error, or other considerations. Developing a standard that establishes criteria for cochlear implant performance characterization and reporting is critical.

Interest Categories: General interest, Industry, Regulatory/Government, User, Other

Stipulates the performance, safety, and reliability requirements for medical devices known as cochlear implants. This standard defines means for describing system performance (ex vivo) and, in particular, system output of a cochlear implant by measuring a physical quantity (for example, charge density expressed in clinical units) that are relevant to the auditory perceptions reported by patients upon stimulation of an electrode array implanted in the patient's cochlea.

API (American Petroleum Institute)

Nick Monchak <MonchakN@api.org> | 200 Massachusetts Avenue NW | Washington, DC 20001-5571 www.api.org

National Adoption

BSR/API MPMS Chapter 2.2C, 2nd Edition-202x, Tank Calibration by Optical Triangulation Method (national adoption of ISO 7507-3:2006 with modifications and revision of ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2021))
Stakeholders: Tank owners, tank operators, refiners, terminals, loading rack operators

Project Need: The current API MPMS Chapter 2.2C document is a modified national adoption of ISO 7507-3:1993. The proposed modifications to the current standard include; USC units of measurement, an increase in points around the measurement course of the tank, and corresponding tabular updates. Therefore, a modified national adoption of ISO 7507-3:2006 is being proposed as a 2nd edition of API MPMS Chapter 2.2C. This adoption removes duplication of effort within industry and SDOs. It provides an alternative method of tank calibration to other methods such as manual strapping or the optical reference line method.

Interest Categories: Operator-User, Manufacturer-Service Supplier, General Interest

ISO 7507-3 specifies a calibration procedure for application to tanks above 8 meters in diameter with cylindrical courses that are substantially vertical. It provides a method for determining the volumetric quantity contained within a tank at gauged liquid levels. Internal or external measurements can be used to determine the radius, the external method is applicable only to tanks that are free of insulation.

API (American Petroleum Institute)

Nick Monchak <MonchakN@api.org> | 200 Massachusetts Avenue NW | Washington, DC 20001-5571 www.api.org

National Adoption

BSR/API MPMS Chapter 2.2D, 2nd Edition-202x, Tank Calibration by Internal Electro-Optical Distance-Ranging Method (national adoption with modifications of ISO 7507-4:2010)
Stakeholders: Tank owners, tank operators, refiners, terminals, loading rack operators

Project Need: The current API MPMS Chapter 2.2D document is a modified national adoption of ISO 7507-4:1995. The proposed modifications to the current standard include; USC units of measurement, an increase in points around the measurement course of the tank and corresponding tabular updates, addition of one term, and update of two terms to API definitions. Therefore, a modified national adoption of ISO 7507-4:2010 is being proposed as a 2nd edition of API MPMS Chapter 2.2D. This adoption removes duplication of effort within industry and SDOs. It provides an alternative method of tank calibration to other methods such as manual strapping, the optical reference line method, or the optical triangulation method. It can also be used on a wider variety of tanks, providing further utility to industry.

Interest Categories: Operator-User, Manufacturer-Service Supplier, General Interest

ISO 7507-4 specifies a method for the calibration of vertical cylindrical tanks having diameters greater than 5 meters by means of internal measurements using an electro-optical distance-ranging (EODR) instrument, and for the subsequent compilation of tank capacity tables. This method also applies to tanks with floating roofs or internal floating blankets.

API (American Petroleum Institute)

Nick Monchak <MonchakN@api.org> | 200 Massachusetts Avenue NW | Washington, DC 20001-5571 www.api.org

National Adoption

BSR/API MPMS Chapter 2.2E, 2nd Edition-202x, Calibration of Horizontal Cylindrical Tanks - Part 1: Manual Methods (identical national adoption of ISO 12917-1:2017 and revision of ANSI/API MPMS Chapter 2.2E, 1st Edition-2004 (R2021))
Stakeholders: Tank owners, tank operators, refiners, terminals, loading rack operators

Project Need: The current API MPMS Chapter 2.2E document is a national adoption of ISO 12917-1 :2002. However, ISO 12917-1 :2017 has been subsequently published and an identical national adoption of ISO 12917-2017 is being proposed as a 2nd edition of API MPMS Chapter 2.2E. This adoption removes duplication of effort within industry and SDOs. It provides a method of horizontal tank calibration alternative to other methods such as the internal electro-optical distance-ranging method and applies to a wide range of horizontal tanks.

Interest Categories: Operator-User, Manufacturer-Service Supplier, General Interest

ISO 12917-1 specifies manual methods for the calibration of nominally horizontal cylindrical tanks, installed at fixed locations. It is applicable to insulated and non-insulated tanks, either when they are above-ground or underground. The methods are applicable to pressurized tanks and to both knuckle-dish-end and flat-end cylindrical tanks as well as elliptical and spherical head tanks. This document is applicable to tanks inclined from the horizontal, provided a correction is applied for the measured tilt; applicable to tanks up to 4 meters in diameter and 10° in tilt.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-16-202x, Standard file format for sharing power curve information (identical national adoption of IEC 61400-16:2027)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC 61400-16:2027

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-32-202x, Wind energy generation systems - Part 32: Operations and maintenance of blades (identical national adoption of IEC 61400-32:2026)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC 61400-32:2026

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-40-202x, Wind energy generation systems - Part 40: Electromagnetic Compatibility (EMC) - Requirements and test methods (identical national adoption of IEC 61400-40:2025)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC 61400-40:2025

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-100-202x, Marine energy - Wave, tidal and other water current converters - Part 100: Electricity producing wave energy converters - Power performance assessment (identical national adoption of IEC TS 62600 -100:2024)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects require a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC TS 62600-100:2024

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-101-202x, Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization (identical national adoption of IEC TS 62600-101:2024)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects require a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC TS 62600-101:2024

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-103-202x, Marine energy - Wave, tidal and other water current converters - Part 103: Guidelines for the early stage development of wave energy converters - Best practices and recommended procedures for the testing of pre-prototype devices (identical national adoption of IEC TS 62600-103:2024)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC TS 62600-103:2024

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-200-202x, Marine energy - Wave, tidal and other water current converters - Part 200: Electricity producing tidal energy converters - Power performance assessment (identical national adoption of IEC TS 62600 -200:2025)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC TS 62600-200:2025

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-201-202x, Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization (identical national adoption of IEC TS 62600-201:2025)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC TS 62600-201:2025

ASSP (Safety) (American Society of Safety Professionals)

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

New Standard

BSR/ASSP Z310.1-202x, Risk Management - Guidelines for Assessing and Managing Risks (new standard)
Stakeholders: Occupational Safety and Health Professionals who assess and manage risk.

Project Need: Based upon the consensus of the risk management committee and the leadership of ASSP.

Interest Categories: Safety Professionals

This standard provides guidelines on assessing and managing risk faced by organizations. The application of these guidelines can be customized to the organization, and its context. These guidelines can be used throughout the life of the organization and applied to any activity, including decision-making at all levels.

ASTM (ASTM International)

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

Revision

BSR/ASTM F2106-202x, Test Methods for Evaluating Design and Performance Characteristics of Motorized Treadmills (revision of ANSI/ASTM F2106-2018)
Stakeholders: Fitness Products Industry

Project Need: Changes and additions to the guarding of the rear roller of the treadmill have created new requirements that require new test methods.

Interest Categories: Producer, User, General Interest

1.1 These test methods specify procedures and equipment used for testing and evaluating a motorized treadmill for compliance to Specification F2115. Both design and operational parameters will be evaluated. Where possible and applicable, accepted test methods from other recognized bodies will be used and referenced. In case of a conflict between this document and Specification F2115, Specification F2115 takes precedence. 1.2 These test methods are to be used in conjunction with Specification F2276, Test Methods F2571, and Specification F2115. 1.3 This standard takes precedence over Specification F2276 and Test Methods F2571 in areas that are specific to motorized treadmills.

ASTM (ASTM International)

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

New Standard

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

Project Need: This document was built from E2549 Standard Practice for Validation of Seized-Drug Analytical Methods which was withdrawn due to time constraints. This document has been extensively revised by OSAC subcommittee members in Explosives, Fire Debris, and Seized Drugs, including a title change, to be an interdisciplinary document applicable to FSSPs and FSPs performing forensic chemical analyses. Discipline-specific annexes/appendices will provide additional details on the specific testing that should be conducted for each performance characteristic. These annexes/appendices are in progress and will be submitted and balloted separately.

Interest Categories: Producer, User, General Interest

The validation and verification of qualitative and quantitative analytical methods applicable to forensic science service providers (FSSPs) performing forensic chemical analyses within a laboratory setting for the disciplines of explosives, fire debris, and seized drugs. Annexes will provide additional discipline-specific details.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK93971-202x, New Test Method for Test Method for the Analysis of Fentanyl and Related Substances Using Gas-Chromatography-Infrared Spectroscopy (GC-IR) (new standard)
Stakeholders: Criminalistics Industry

Project Need: The use of GC-IR, as a complementary confirmatory technique to GC-MS, in seized drug analysis has been increasing in the past few years. However, there are no standards in how to conduct these tests. This test method will provide minimum requirements appropriate for the identification of fentanyl and fentanyl-related substances using GC-IR; and will reference the already published interlaboratory study conducted in 2021 for the analysis of fentanyl and fentanyl-related substances.

Interest Categories: Producer, User, General Interest

This standard specifies the requirements for the testing of fentanyl and fentanyl-related substances in seized drug evidence using Gas Chromatography-Infrared Spectroscopy.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK93983-202x, Reinstatement of E2549-14 Standard Practice for Validation of Seized-Drug Analytical Methods (Withdrawn 2023) (new standard)
Stakeholders: Interdisciplinary Forensic Science Standards Industry

Project Need: Reinstatement with Revision

Interest Categories: Producer, User, General Interest

This standard covers the validation and verification of qualitative and quantitative analytical methods applicable to forensic science service providers (FSSPs) performing forensic chemical analyses within a laboratory setting for the disciplines of explosives, fire debris, and seized drugs. Annexes will provide additional discipline-specific details.

AWS (American Welding Society)

Ady Celaya <acelaya@aws.org> | 8669 NW 36th St | Miami, FL 3316 www.aws.org

Revision

BSR/AWS C2.26/C2.26M-202x, Specification for Thermal Spray Powder (revision of ANSI/AWS C2.26/C2.26M-2024)
Stakeholders: Thermal spray community, U.S. Navy, manufacturers, thermal spray operators, and thermal spray inspectors

Project Need: To provide members of the thermal spray industry a guiding document for the classification of powders used in their industry.

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

This specification establishes the requirements for the classification of powders for various thermal spraying processes. The requirements include particle size distribution, apparent density, flow characteristics, and chemical composition. Requirements for manufacturing, labeling, and packaging are also included.

CSA (CSA America Standards Inc.)

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

Addenda

BSR/CSA Z21.20a CSA/UL C22.2 No. 60730-2-5a-202x , Automatic Electrical Controls – Part 2-5: Particular Requirements for Automatic Electrical Burner Control Systems (same as UL C22.2 No. 60730-2-5a) (addenda to ANSI/CSA Z21.20/CSA C22.2 No. 60730-2-5/UL 60730-2-5-2022)
Stakeholders: Certifiers, manufacturers

Project Need: Add deviation to the standard

Interest Categories: Consumer, Fuel Supplier, General Interest, Manufacturer, Regulatory Authority, Research/Testing

This part of IEC 60730 applies to automatic electrical burner control systems for the automatic control of burners for oil, gas, coal, or other combustibles intended to be used:
- for household and similar use;
- in shops, offices, hospitals, farms and commercial and industrial applications.
This International Standard is applicable to:
- a complete burner control system;
- to a separate programming unit;
- to a separate electronic high-voltage ignition source;
- to a separate flame detector;
- to a separate high-temperature operation (HTO) detector;
- to a burner control system intended to be used in warm-air heating appliances (furnaces) where the appliance is equipped with an electromechanical differential pressure control to monitor the difference of the combustion air pressure (Type 2.AL).
This pressure control provides a switch as an alternative to one of the two switching elements to directly de-energize the safety-relevant terminals.

CSA (CSA America Standards Inc.)

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

Addenda

BSR/CSA Z21.21a CSA 6.5a-202x, Automatic valves for gas appliances (same as CSA 6.5a) (addenda to ANSI Z21.21A -2021/CSA 6.5A-2021)
Stakeholders: certifiers, manufacturers

Project Need: To clarify a section of the standard.

Interest Categories: producer, user, supplier, general interest, testing, regulatory

This Standard applies to newly produced automatic valves constructed entirely of new, unused parts and materials. These valves can be individual automatic valves or valves utilized as parts of automatic gas ignition systems. This Standard also applies to commercial/industrial safety shutoff valves herein after referred to as C/I valves. Components performing functions other than those of an automatic valve are to comply with applicable standards or Canadian Standards. Compliance of an automatic valve with this Standard does not imply that the automatic valve is acceptable for use on gas appliances without supplemental tests with the automatic valve applied to the particular appliance design. A control that incorporates two or more automatic valves and no other function (as defined by the term “combination control”; see Clause 3) may be tested to this Standard or to ANSI Z21.78 • CSA 6.20, at the discretion of the manufacturer.

ICC (International Code Council)

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

Revision

BSR/ASABE/ICC 802-202x, Landscape Irrigation Sprinkler and Emitter Standard (revision of ANSI/ASABE/ICC 802-2020)
Stakeholders: Consumers, landscapers, irrigation system designers, irrigation system installers, environmental, water utilities and providers, golf courses, product manufacturers, certification agencies and inspectors.

Project Need: Increased emphasis on water conservation and new product designs have led to the need to update this standard to be consistent with current industry practices and establish criteria for product performance, design, construction, and durability.

Interest Categories: Manufacturers, Builders, Users, Testing Laboratories & Standards Promulgators, Consumers, Government Regulators

This standard applies to sprinklers, bubblers, drip emitters, and other water emitters intended for use within turf and landscape irrigation systems.

ICC (International Code Council)

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

New Standard

BSR/ICC 1505-202x, Standard for Inspection, Testing and Maintenance of Energy Storage Systems (ESS) (new standard)
Stakeholders: Manufacturers, Builders, Design Professionals, Engineers, Testing Laboratories & Standards Promulgators, Building Owners, Contractors, Government Regulators, Insurance

Project Need: With the broadening use of lithium-ion batteries to include battery energy storage systems for commercial and residential buildings, maintaining the integrity of the operation and fire/life safety aspects of the ESS lifecycle is of significant importance. Inspections could identify where unsafe conditions may exist. New technologies and battery chemistries continue to be developed, challenging manufacturers, building officials and consumers to stay current in operational best practices of this growing and complex technology. In support of the ICC Performance Code (ICCPC), standards can be referenced that are applicable to the various parts of the performance umbrella that the ICCPC provides. Therefore, there is a need for a standard on inspecting, testing and maintaining energy storage systems.

Interest Categories: Manufacturers, Builders, Users, Testing Laboratories & Standards Promulgators, Government Regulators, Insurance

ICC is developing a new standard to provide the framework for the regular inspection, testing, and maintenance of energy storage systems to assess whether an unsafe condition exists.

ICC (International Code Council)

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

New Standard

BSR/ICC 1510-202x, Acceptance Testing of Energy Storage System (ESS) Facilities (new standard)
Stakeholders: Manufacturers, Builders, Design Professionals, Engineers, Testing Laboratories & Standards Promulgators, Building Owners, Contractors, Government Regulators, Insurance

Project Need: With the broadening use of lithium-ion batteries to include battery energy storage systems for commercial and residential buildings, acceptance testing to verify the operation and fire/life safety of the ESS prior to service is of significant importance. Testing could identify where unsafe conditions may exist. New technologies and battery chemistries continue to be developed, challenging manufacturers, building officials and consumers to stay current in operational best practices of this growing and complex technology. In support of the ICC Performance Code (ICCPC), standards can be referenced that are applicable to the various parts of the performance umbrella that the ICCPC provides. Therefore, there is a need for a standard on acceptance testing of energy storage systems.

Interest Categories: Manufacturers, Builders, Users, Testing Laboratories & Standards Promulgators, Government Regulators, Insurance

ICC is developing a new standard to provide the framework for acceptance testing of energy storage systems to assess whether an unsafe condition exists prior to service.

IEST (Institute of Environmental Sciences and Technology)

Kimberly Conradi <kconradi@iest.org> | 1827 Walden Office Square, Suite 400 | Schaumburg, IL 60173 www.iest.org

National Adoption

BSR/IEST/ISO 14644-5-202x, Cleanrooms and associated controlled environments—Part 5: Operations (identical national adoption of ISO 14644-5 and revision of ANSI/IEST/ISO 14644-5-2004)
Stakeholders: Processes and products that benefit from the control of contamination include those in industries such as aerospace, automotive, assorted consumer products, defence, microelectronics, optics, nuclear, scientific research and life sciences (pharmaceuticals, biotechnology, medical devices, food, healthcare)

Project Need: Cleanrooms and associated controlled environments provide for the control of contamination to air and surface cleanliness levels appropriate for accomplishing contamination-sensitive activities. This document specifies basic requirements for cleanroom operations. It is intended for those who design, construct, start up or operate a cleanroom. Consistent quality depends, in part, on cleanliness. Specified cleanliness levels for all contaminants addressed in the ISO 14644 series can be attained and maintained through a deliberate program to and implement adequate design and operational procedures. Regulatory agencies that have authority over processes and products produced in the cleanroom can require additional procedures and measures. For guidance about consumables and equipment used in cleanrooms refer to the ISO 14644 series.

Interest Categories: General, Government, Producer, User

This document specifies requirements for the establishment of an operations control programme (OCP) to ensure efficient cleanroom operation within specified cleanliness levels. The OCP includes management of personnel, entry and exit of personnel and materials, cleaning, maintenance and monitoring. This document does not specifically address biocontamination control. For details on this topic, see ISO 14698-1 and ISO 14698-2. This will be an identical National adoption of ISO 14644-5.

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

Kim Quigley <kquigley@itic.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Addenda

INCITS 560-2023/AM1-202x, Information Technology - Fibre Channel - Physical Interfaces - 8 - Amendment 1 (FC-PI-AM1) (addenda to INCITS 560-2023)
Stakeholders: Consumers and developers of Fibre Channel devices and systems benefit from this standard through a wider variety of value propositions in products available on the open market

Project Need: This is an admendment to the FC-PI-8 standard. The business case for the FC-PI-8 in the original project proposal T11-2017-00359-v001 is still valid.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Amendment 1 to INCITS 560-2023, Fibre Channel - Physical Interfaces - 8 (FC-PI-8) standard for a technical enhancement to change the signaling rate to 56.1 +/- 50 ppm, and address any other potential enhancements. Document number T11-2024-00350-v000 specifies the proposed changes.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Specifies mechanisms for the provision of specific, communication-related, non-repudiation services using asymmetric cryptographic techniques.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Specifies mechanisms that generate, renew, and verify independent time-stamps. In order to verify an independent time-stamp token, time-stamp verifiers do not need access to any other time-stamp tokens. That is, such time-stamp tokens are not linked.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Establishes the following items for any or all biometric sample types as necessary: Terms and definitions that are useful in the specification and use of quality measures; purpose and interpretation of biometric quality scores; motivation for developing biometric sample datasets for the purpose of quality score normalization; format for exchange of quality assessment algorithm results; methods for aggregation of quality scores; methods for evaluating the efficiency of quality assessment algorithms.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Defines communication modes for Near Field Communication Interface and Protocol 1 (NFCIP-1) using inductive coupled devices operating at the centre frequency of 13,56 MHz for interconnection of computer peripherals; both the active and the passive communication modes of NFCIP-1 to realize a communication network using Near Field Communication (NFC) devices for networked products and for consumer equipment; a transport protocol including protocol activation and data exchange methods.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Specifies the communication mode selection and switching mechanism, designed not to disturb any ongoing communication at 13,56 MHz, for devices implementing ISO/IEC 18092, the ISO/IEC 14443 series, or the ISO/IEC 15693 series. The communication modes are specified in the respective International Standards and are outside of the scope of this document.

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

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

National Adoption

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

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Specifies protocol test methods for Near Field Communication Interface and Protocol 1 (NFCIP-1), as defined in ISO/IEC 18092 (the base standard). The radio frequency (RF) test methods for NFCIP-1 (also defined in ISO/IEC 18092) are specified in ISO/IEC 22536.

NEMA (ASC C82) (National Electrical Manufacturers Association)

Michael Erbesfeld <Michael.Erbesfeld@nema.org> | 1300 N 17th St | Rosslyn, VA 22209 www.nema.org

Revision

BSR C82.77-1-202x, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) - General Requirements and Criteria (revision of ANSI C82.77-1-2020)
Stakeholders: LED Driver, Ballast, Lamps, and Luminaire manufacturers, government entities, laboratories, and consultants.

Project Need: This project is needed to update references and revising performance requirements and test methods.

Interest Categories: Producers, Users, General Interest

This Standard defines the electromagnetic compatibility (EMC) (immunity and Interference) performance levels, testing methods, and performance criteria for lighting products in a frequency range from 0 to 400 GHz. This Standard applies to lighting products intended to be directly connected to the mains (up to 600 V), DC (up to 250 VDC), battery-operated, or to a non-public, low-voltage power distribution system. In the United States, high-frequency emissions are regulated by the Federal Communications Commission (FCC) 47 CFR Parts 15 and 18. For a Standard on Inrush Currents, see NEMA 410 Performance Testing for Lighting Controls and Switching Devices with Electronic Drivers and Discharge Ballasts.

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 3650-202x, Standard for Product-level Climate Risk Assessment and Adaptation Management - General Sustainability Requirements and Practices (new standard)
Stakeholders: Consumers, Manufacturers, Producers

Project Need: As severe weather events such as hurricanes, extreme heat, flooding, and droughts increase globally, manufacturers must understand how their products will perform in various climate scenarios to properly assess vulnerabilities and build long-term product resilience. This Standard collates a number of internationally recognized standards on enterprise-wide climate risk assessments and applies key principles to the assessment of climate risks and vulnerabilities at the product-level.

Interest Categories: AHJs, Commercial/Industrial Users, Consumers, General Interest, Government, Producers, Supply Chain, Testing and Standards Organizations

This Standard provides a general framework for evaluating and reporting on climate resilience and risk assessment that can be applied across several product categories to identify, assess, evaluate, and manage product vulnerabilities to climate impacts. Climate impacts in this document fall into two categories:
(a) Acute impacts from extreme weather events and natural disasters; and
(b) Long-term chronic impacts of change in climate patterns.
Additionally, the Standard addresses how to account for regional trends and variations, performance and design threshold with climatic loads, projected future intensity and frequency of extreme weather events, and actions to prevent, mitigate, or limit damage while enhancing a product's climate resiliency. This Standard includes detailed requirements on the following:
(a) Section 5, Preparing a product level climate risk assessment;
(b) Section 6, Assessing climate risks at the product level;
(c) Section 7, Addressing climate risks at the product level;
(d) Section 8, Monitoring, reporting, and verification (MRV).
This Standard does not cover climate risks associated with the product's production process and supply chain (e.g., resource availability, transportation, or manufacturing disruptions due to climate impacts).

USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

Reaffirmation

BSR C63.26-2015 (R202x), Standard for Compliance Testing of Transmitters Used in Licensed Radio Services (reaffirmation of ANSI C63.26-2015)
Stakeholders: EMC and radio test laboratories and equipment manufacturers (software designers), laboratory accreditation bodies, government agencies, manufacturers of licensed transmitters, Telecommunication Certification Bodies, Telecommunications Industry Association (TIA) and TCB Council.

Project Need: ANSC has been developing C63.26 2 nd edition since 2016 and it is nearly complete. However, the current version of C63.26 is still used by regulators and therefore the current edition needs to be reaffirmed as it is close to the 10-year period.

Interest Categories: Manufacturer, Government, General interest, Professional society, Trade association, Calibration laboratory, Test laboratory

C63.26 covers procedures for testing a wide variety of licensed transmitters; including, but not limited to, transmitters operating under Parts 22, 24, 25, 27, 90, 95 and 101 of the FCC Rules. The 1st Edition of C63.26 was published in January, 2016.

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: April 6, 2025

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

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

Addenda

BSR/ASHRAE/IES Addendum ba to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum was released for its first public review between November 29, 2024, and January 13, 2025. This ISC has been prepared to make a necessary update to the 90.1 definitions to show the appropriate SI metric from Table 6.8.1-15, which is ACOPc.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum be to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum updates Section 9 Lighting scope, exceptions in section 9.3 Simplified Building Method Compliance Path, and exceptions in section 9.4.1.1 lighting controls where lighting is designed to remain on in support of building exit access.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 6, 2025

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

Addenda

BSR/ASHRAE/IES Addendum by to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum by adds a new exception to the economizer requirement to exempt hospital buildings that use a heat recovery chiller for space heating.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum bz to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum bz updates the metric for evaluating horticultural lighting efficacy in accordance with the latest industry guidance. It also increases the efficacy requirements for luminaires in greenhouses and indoor grow spaces based on widespread availability of products that can satisfy the specified levels.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum cb to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum cb updates the graphic associated with Section 10 of the standard and revises Section 10.2 to more clearly explain Section 10 compliance requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum cd to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum consists of updates to remove unused acronyms and capture terms that appeared in the standard without a corresponding entry in the Section 3.2 acronym list.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 6, 2025

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

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

Addenda

BSR/ASHRAE/IES Addendum ce to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum clarifies the intent of the building orientation instructions in Section 12, Appendix C, and Appendix G. It also provides new language in Appendix G to explain how shading should be performed to provide incentives for buildings intending to shade themselves.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum cg to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum restores a percentage improvement calculation that was provided in previous versions of the standard to show how to quantify the performance level that was achieved above the target requirement in Appendix G.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum ck to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum modifies how the wattage of lighting equipment is determined in Section 9.1.4. It also explains how to address field-adjustable versus factory-set wattage.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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 A17.1-202x/B44-202x, Safety Code for Elevators and Escalators (revision of ANSI/ASME A17.1/CSA B44-2022)
This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks and material lifts.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Geraldine Burdeshaw <burdeshawg@asme.org>

Comment Deadline: April 6, 2025

AWS (American Welding Society)

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

Revision

BSR/AASHTO/AWS D1.5M/D1.5-202x, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2020)
This code covers the welding requirements for welded bridges made from carbon and low-alloy constructional steels and designed to AASHTO or AREMA equirements. This 2025 edition contains dimensions in metric SI Units and U.S. Customary Units. Clauses 1 through 9 constitute a body of rules for the regulation of welding in steel construction. Clauses 10 and 11 do not contain provisions, as their analogue D1 .1/D1 .1 M sections are not applicable to the D1.5 code. Clause 12 contains the requirements for fabricating fracture-critical members.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Stephen Borrero <sborrero@aws.org>

NSF (NSF International)

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

Revision

BSR/NSF/CAN 60-202x (i106r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)
This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

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

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

New Standard

BSR/SAIA A11.6-202x, Standard for Testing and Rating Scaffold Planks and Decks (new standard)
This standard provides methods for testing and rating the performance of planks and decks used in scaffolding, shoring, and forming applications.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: DeAnna Martin <deanna@saiaonline.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 268-202x, Standard for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2024)
This Standard sets forth requirements for smoke detectors and accessories, including mechanical guards to be employed in ordinary indoor locations in accordance with the following:
(a) In Canada only:
(1) Standard for the Installation of Fire Alarm Systems, ULC;
(2) National Building Code of Canada; and
(3) National Fire Code of Canada.
(b) In the United States only:
(1) National Fire Alarm and Signaling Code, NFPA 72.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: csds.ul.com

Comment Deadline: April 6, 2025

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Lisette.delgado@ul.org, https://ulse.org/

Revision

BSR/UL 1008S-202x, Standard for Safety for Standard for Solid-State Transfer Switches (revision of ANSI/UL 1008S-2012 (R2023))
Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Lisette Delgado <Lisette.delgado@ul.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1863-202x, Standard for Safety for Communications - Circuit Accessories (revision of ANSI/UL 1863 -2019)
(1) Correction to Scope, 1.3(c); (2) Add an out-of-scope statement for Information and Communication Technology (ICT) cable assemblies, Standard for Safety, UL 9990; (3) Installation Instructions – Clarifying instruction content for devices configured for field installation; (4) Use of QR Code as an alternative for printed Installation Instructions for commercial installations.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: April 21, 2025

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

New Standard

BSR/AARST SG-OMM-202x, Long-Term Stewardship of Radon and Soil Gas Hazards (new standard)
This standard provides prescriptive requirements and guidance for long-term management of hazards associated with radon gas, chemical vapors and other specified soil gases. This standard provides requirements associated with (1) continued operation and maintenance of systems designed to reduce soil gas hazards, and (2) monitoring radon and soil gas hazards across time to protect current and future building occupants.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

ANS (American Nuclear Society)

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

Reaffirmation

BSR/ANS 58.16-2014 (R202x), Safety Categorization and Design Criteria for Nonreactor Nuclear Facilities (reaffirmation of ANSI/ANS 58.16-2014 (R2020))
This standard provides guidance and criteria for the safety classification of safety functions and associated hazard controls [such as, structures, systems, components (SSCs) and administrative controls] associated with nuclear safety in nonreactor nuclear facilities. This standard provides guidance on how to derive safety functions and the design and operational requirements to satisfy these functions. It also associates the safety classification of hazard controls to engineering (e.g., civil/structural, mechanical, electrical) and programmatic (e.g., QA) classification levels. Finally this standard will define functional and boundary criteria for safety SSCs to include associated SSCs necessary for the operation of a safety SSC when called upon to provide its safety function.
Single copy price: $50.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: standards@ans.org

ASA (ASC S3) (Acoustical Society of America)

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

Revision

BSR S3.35-202x, Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (revision of ANSI/ASA S3.35-2021)
This standard describes techniques used to measure hearing aids under simulated conditions of real ear use. For the purpose of these measurements, a standard manikin and ear simulator are used to represent a typical hearing aid wearer. Acoustical requirements of the test space as well as how the manikin is positioned with respect to the sound source are given. Methods are provided to obtain both the aided gain and the insertion gain, in order to determine the increase in sound pressure relative to the unaided condition, with and without the acoustical effect of the manikin. Procedures are also provided to obtain the directional response of the hearing aid on the manikin as a function of azimuth and elevation of the sound source, and to calculate the directivity index from the directional response.
Single copy price: $169.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

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 bx to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum bx eliminates an option that previously allowed lab spaces to fall below ASHRAE 55 comfort requirements. It also expands requirements for exhaust and replacement air rates in labs, adds a heat recovery requirement for labs with exhaust rates over 10,000 cfm, and adds a requirement to have automatic sash closures for fume hoods.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 21, 2025

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

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

Addenda

BSR/ASHRAE/IES Addendum cc to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum is a routine update to the Section 13 references to ensure the most updated information will be published when the next standard is released in 2025.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum ch to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum ch provides corrections to the values originally published in Addendum aw to ASHRAE 90.1-2022. The methodology provided in Addendum aw to determine the U-factors for steel frame wall assemblies remains accurate, however, the values were reported incorrectly due to a spreadsheet error.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum cj to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum cj removes Appendix F, the appendix dedicated to reporting DOE efficiency requirements for covered products and creates combined tables throughout Sections 6 and 7 to enable all requirements to be reported together by product category.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 21, 2025

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section VI-202x, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2023)
The purpose of these recommended guidelines is 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. These guidelines are intended for use by those directly responsible for operating and maintaining heating and hot water supply boilers.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Carlton R.M. Ramcharran

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2548-202x, Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK92968-202x, Practice for Hydrogel Projectile Launcher Playing Field (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM E948-2018 (R202x), Test Method for Electrical Performance of Photovoltaic Cells Using Reference Cells Under Simulated Sunlight (reaffirmation of ANSI/ASTM E948-2018 (R2020))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Reaffirmation

BSR/ASTM E973-2018 (R202x), Test Method for Determination of the Spectral Mismatch Parameter Between a Photovoltaic Device and a Photovoltaic Reference Cell (reaffirmation of ANSI/ASTM E973-2018 (R2020))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Reaffirmation

BSR/ASTM E1021-2018 (R202x), Test Method for Spectral Responsivity Measurements of Photovoltaic Devices (reaffirmation of ANSI/ASTM E1021-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Reaffirmation

BSR/ASTM F2060-2001 (R202x), Guide for Maintaining Cool Season Turfgrasses on Athletic Fields (reaffirmation of ANSI/ASTM F2060-2001 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Reaffirmation

BSR/ASTM F2269-2011 (R202x), Guide for Maintaining Warm Season Turfgrasses on Athletic Fields (reaffirmation of ANSI/ASTM F2269-2011 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Revision

BSR/ASTM E18-202x, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E162-202x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E603-202x, Guide for Room Fire Experiments (revision of ANSI/ASTM E603-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E1354-202x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Revision

BSR/ASTM E1618-202x, Test Method for Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E1618-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E1687-202x, Test Method for Determining Carcinogenic Potential of Virgin Base Oils in Metalworking Fluids (revision of ANSI/ASTM E1687-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E1732-202x, Terminology Relating to Forensic Science (revision of ANSI/ASTM E1732-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E1968-202x, Practice for Microcrystal Testing in Forensic Analysis for Cocaine (revision of ANSI/ASTM E1968-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Revision

BSR/ASTM E1969-202x, Practice for Microcrystal Testing in Forensic Analysis for Methamphetamine and Amphetamine (revision of ANSI/ASTM E1969-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2125-202x, Practice for Microcrystal Testing in Forensic Analysis for Phencyclidine and Its Analogues (revision of ANSI/ASTM E2125-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2226-202x, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2231-202x, Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2231-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Revision

BSR/ASTM E2280-202x, Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture Within Patient Rooms of Health Care Facilities (revision of ANSI/ASTM E2280-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2336-202x, Test Methods for Fire Resistive Grease Duct Enclosure Systems (revision of ANSI/ASTM E2336-2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2749-202x, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2024A)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM E2882-202x, Guide for Analysis of Clandestine Drug Laboratory Evidence (revision of ANSI/ASTM E2882-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

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

Revision

BSR/ASTM F1292-202x, Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment (revision of ANSI/ASTM F1292-2022)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F2115-202x, Specification for Motorized Treadmills (revision of ANSI/ASTM F2115-2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F2441-202x, Practice for Labeling of Recreational Camping Tents and Bivouac Sacks (revision of ANSI/ASTM F2441-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F3431-202x, Specification for Determining Flammability of Materials for Recreational Camping Tents and Warning Labels for Associated Hazards (revision of ANSI/ASTM F3431-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM E1591-2020, Guide for Obtaining Data for Fire Growth Models (withdrawal of ANSI/ASTM E1591 -2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS D1.3/D1.3M-202x, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2018)
This code covers the requirements associated with welding sheet steel having a minimum specified yield point no greater than 80 ksi [550 MPa]. The code requirements cover any welded joint made from the commonly used structural quality low-carbon hot-rolled and cold-rolled sheet and strip steel with or without zinc coating (galvanized). Clause 1 includes general provisions, Clause 4 design, Clause 5 prequalification, Clause 6 qualification, Clause 7 fabrication, and Clause 8 inspection.
Single copy price: $59.63 (Member Price); $79.50 (Non-Member Price)
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)
This project will develop a standard consistent with the US national label program that defines a cybersecurity label design.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C37) (National Electrical Manufacturers Association)

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

New Standard

BSR C37.57-202x, Standard for Switchgear - Metal-Enclosed Interrupter Switchgear Assemblies - Conformance Testing (new standard)
This standard is a conformance testing standard optionally applicable to all metal-enclosed interrupter switchgear assemblies designed, tested, and manufactured in accordance with ANSI/IEEE C37.20.3. The requirement of ANSI/IEEE C37.20.3 is sufficient for application of metal-enclosed interrupter switchgear assemblies, and conformance testing is not necessary to satisfy the basic requirements of that standard. Conformance testing is performed to show compliance with the basic requirements when required to satisfy special agreements or regulatory agency requirements.
Single copy price: Free
Obtain an electronic copy from: Paul.Crampton@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 21, 2025

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA S-110-717-202x, Standard for Optical Fiber Drop Cable (revision of ANSI ICEA S-110-717-2019)
This Standard covers optical fiber communications cables intended for use in outdoor and/or indoor/outdoor optical fiber drop applications. Materials, construction, and performance requirements are included in this Standard, together with applicable test procedures.
Single copy price: $100.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA T-27-581/NEMA WC 23007-202x, Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test (revision of ANSI/NEMA WC 53/ICEA T-27-581-2020)
This Standard applies to the testing of covered conductors, extruded dielectric insulated power, control, instrumentation, and portable cables.
Single copy price: $162.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA T-32-645-202x, Test Method For Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials (revision of ANSI/ICEA T-32-645-2017 (R2023))
This test method provides procedures for establishing volume resistivity compatibility of water blocking components with extruded semiconducting shields utilized in MV, HV, or EHV power cables. The compatibility test is designed to verify that the electrical properties of a semiconducting material used as a conductor or insulation shield are not adversely affected when exposed to a water blocking component.
Single copy price: $97.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Same

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-049.1-202x, NENA Transition to i3 PSAP Standard (new standard)
Develop a standard specifying how an Agency transitions to fully i3-compliant applications without a forklift upgrade of all applications. The standard will specify how specific applications will need to support both legacy and i3 interfaces in order to permit continued operations during the transition process.
Single copy price: Free
Obtain an electronic copy from: Download and submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=35801&wg_id=44f14865-415f-43b7-bd5b-0187485eaa85
Send comments (copy psa@ansi.org) to: Sandy Dyre <crm@nena.org>

Comment Deadline: April 21, 2025

NFPA (National Fire Protection Association)

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

Revision

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 96-202x, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations (revision of ANSI/NFPA 96-2024)
1.1 Scope.
1.1.1 This standard shall provide the minimum fire safety requirements (preventative and operative) related to the design, installation, operation, inspection, and maintenance of all public and private cooking operations.
1.1.2 This standard shall apply to residential cooking equipment used for commercial cooking operations.
1.1.3* Cooking equipment used in fixed, mobile, or temporary concessions, such as trucks, buses, trailers, pavilions, tents, or any form of roofed enclosure, shall comply with this standard.
1.1.4 This standard shall not apply to cooking equipment located in a single dwelling unit.
1.1.5* This standard shall not apply to facilities where all of the following are met: (1) Only residential equipment is used; (2) Fire extinguishers are located in all kitchen areas in accordance with NFPA 10;
(3) The facility is not an assembly occupancy;
(4) The authority having jurisdiction has approved the installation.
Obtain an electronic copy from: www.nfpa.org/96next
Send comments (copy psa@ansi.org) to: www.nfpa.org/96next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 211-202x, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances (revision of ANSI/NFPA 211-2024)
1.1 Scope. This standard applies to the design, installation, maintenance, and inspection of all chimneys, fireplaces, venting systems, and solid fuel–burning appliances.
Obtain an electronic copy from: www.nfpa.org/211next
Send comments (copy psa@ansi.org) to: www.nfpa.org/211next

Comment Deadline: April 21, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 220-202x, Standard on Types of Building Construction (revision of ANSI/NFPA 220-2024)
1.1* Scope. This standard defines types of building construction based on the combustibility and the fire resistance rating of a building's structural elements. Fire walls, nonbearing exterior walls, nonbearing interior partitions, fire barrier walls, shaft enclosures, and openings in walls, partitions, floors, and roofs are not related to the types of building construction and are regulated by other standards and codes, where appropriate.
Obtain an electronic copy from: www.nfpa.org/220next
Send comments (copy psa@ansi.org) to: www.nfpa.org/220next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 221-202x, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls (revision of ANSI/NFPA 221-2024)
1.1 Scope. This standard specifies requirements for the design and construction of high challenge fire walls, fire walls, and fire barrier walls including protection of openings and penetrations.
Obtain an electronic copy from: www.nfpa.org/221next
Send comments (copy psa@ansi.org) to: www.nfpa.org/221next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 241-202x, Standard for Safeguarding Construction, Alteration, and Demolition Operations (revision of ANSI/NFPA 241-2022)
1.1* Scope. This standard shall apply to structures in the course of construction, alteration, or demolition, including those in underground locations. A.1.1 General requirements applying to construction and demolition are contained in Chapter 1 and Chapters 3 through 7; specific requirements for construction and alteration activities are found in Chapter 8; those requirements specific to roofing operations are covered in Chapter 9; those requirements specific to demolition activities are covered in Chapter 10; and specific requirements for activities in underground locations are contained in Chapter 11.
Obtain an electronic copy from: www.nfpa.org/241next
Send comments (copy psa@ansi.org) to: www.nfpa.org/241next

Comment Deadline: April 21, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 496-202x, Standard for Purged and Pressurized Enclosures for Electrical Equipment (revision of ANSI/NFPA 496-2024)
1.1 Scope.
1.1.1 This standard applies to purging and pressurizing for the following: (1) Electrical equipment located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70®; (2) Electrical equipment containing sources of flammable vapors or gases and located in either classified or unclassified areas; (3) Control rooms or buildings located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70; (4) Analyzer rooms containing sources of flammable vapors or gases and located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70 .
1.1.2 This standard does not apply to electrical equipment located in any of the following: (1) Areas classified as Zone 0; (2) Areas classified as Class III; (3) Areas where flammable liquids might be splashed or spilled on the electrical equipment
Obtain an electronic copy from: www.nfpa.org/496next
Send comments (copy psa@ansi.org) to: www.nfpa.org/496next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 497-202x, Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 497-2024)
1.1 Scope.
1.1.1 This recommended practice applies to those locations where flammable gases or vapors, flammable liquids, or combustible liquids are processed or handled; and where their release into the atmosphere could result in their ignition by electrical systems or equipment.
1.1.2 This recommended practice provides information on specific flammable gases and vapors, flammable liquids, and combustible liquids whose relevant combustion properties have been sufficiently identified to allow their classification into the groups established by NFPA 70 (NEC), for proper selection of electrical equipment in hazardous (classified) locations. The tables of selected combustible materials contained in this document are not intended to be all-inclusive.
1.1.3 This recommended practice applies to chemical process areas. As used in this document, a chemical process area could be a large, integrated chemical process plant or it could be a part of such a plant. It could be a part of a manufacturing facility where flammable gases or vapors, flammable liquids, or combustible liquids are produced or used in chemical reactions, or are handled or used in certain unit operations such as mixing, filtration, coating, spraying, and distillation...
Obtain an electronic copy from: www.nfpa.org/497next
Send comments (copy psa@ansi.org) to: www.nfpa.org/497next

Comment Deadline: April 21, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 499-202x, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 499-2024)
1.1 Scope.
1.1.1 This recommended practice provides information on the classification of combustible dusts and of hazardous (classified) locations for electrical installations in chemical process areas and other areas where combustible dusts are produced or handled.
1.1.2 This recommended practice provides information on combustible dusts as it relates to the proper selection of electrical equipment in hazardous (classified) locations in accordance with NFPA 70®.
1.1.3 The tables of selected combustible dusts contained in this document are not intended to be all-inclusive.
Obtain an electronic copy from: www.nfpa.org/499next
Send comments (copy psa@ansi.org) to: www.nfpa.org/499next

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60335-1-202x, Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements (national adoption of IEC 60335-1 with modifications and revision of ANSI/UL 60335-1-2016)
The proposed adoption of IEC 60335-1 Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements (Edition 6, Issued by the IEC in September 2020), as the seventh edition of UL 60335-1.
Single copy price: Free
Obtain an electronic copy from: https://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

ULSE (UL Standards & Engagement)

1603 Orrington Ave., Suite 2000, Evanston, IL 60201 | anna.roessing-zewe@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 385-2020 (R202x), Standard for Play Pipes for Water Supply Testing in Fire Protection Service (reaffirmation of ANSI/UL 385-2020)
1.1 These requirements cover play pipes for testing of water supplies for fire protection service.
1.2 The play-pipe design and construction covered herein and illustrated in Figure 10.1 has been commonly identified as the Underwriter or National Standard type.
Single copy price: Free
Obtain an electronic copy from: Follow the instructions in the following website: https://csds.ul.com/ProposalAvailable.
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: April 21, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 635-2012 (R202x), Standard for Safety for Insulating Bushings (reaffirmation of ANSI/UL 635-2012 (R2021))
Reaffirmation and continuance of the 2nd Edition of the Standard for Insulating Bushings, UL 635, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 207-202x, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical (revision of ANSI/UL 207-2022)
(1) Revisions to address hard and soft tube/pipe used with refrigeration fittings; (2) Requirements for evaluating refrigeration fittings to requirements within ISO 14903; (3) Miscellaneous requirements; (4) Joining method update.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: May 6, 2025

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME Y14.6-2001 (R202x), Screw Thread Representation (reaffirmation of ANSI/ASME Y14.6-2001 (R2018))
This Standard establishes requirements for pictorial representation, specification, and dimensioning of screw threads on drawings; it is not concerned with standards for dimensional control of screw threads.
Single copy price: $52.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fred Constantino

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 Y14.31-2014 (R202x), Undimensioned Drawings (reaffirmation of ANSI/ASME Y14.31-2014 (R2019))
This Standard establishes the requirements for undimensioned drawings that graphically define items with true geometry view(s) and predominantly without the use of dimensions.
Single copy price: $57.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fred Constantino

Comment Deadline: May 6, 2025

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.41-202x, Digital Product Definition Data Practices (revision of ANSI/ASME Y14.41-2019)
This Standard establishes requirements and references documents applicable to the preparation and revision of digital product definition data and datasets, hereafter referred to as datasets. This Standard defines exceptions and additional requirements to existing ASME standards for using product definition dataset(s) or drawing graphic sheet(s) in digital format.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fred Constantino

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B94.2-1995 (S202x), Reamers (stabilized maintenance of ANSI/ASME B94.2-1995 (R2020))
This Standard covers the standard for Reamers - nomenclature, definitions, types, sizes, and tolerances.
Single copy price: $50.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@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

Stabilized Maintenance

BSR/ASME B94.35-1972 (S202x), Drill Drivers, Split - Sleeve, Collet Type (stabilized maintenance of ANSI/ASME B94.35-1972 (R2020))
This standard covers split-sleeve, collet-type drivers for driving straight shank drills, reamers and similar tools, without tangs from 0.0390 dia. through 0.1220 dia., and with tangs for tools from 0.1250 dia. through 0.7500 dia.
Single copy price: $33.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@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

Stabilized Maintenance

BSR/ASME B94.49-1975 (S202x), Spade Drill Blades and Spade Drill Holders (stabilized maintenance of ANSI/ASME B94.49-1975 (R2020))
This standard covers nomenclature, definitions, sizes, and tolerances for spade drill blades and spade drill holders insofar as the holder locates and holds the spade drill blade.
Single copy price: $33.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org>

Comment Deadline: May 6, 2025

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B94.54-1999 (S202x), Specifications for Hole Saws, Hole Saw Arbors, and Hole Saw Accessories (stabilized maintenance of ANSI/ASME B94.54-1999 (R2020))
This Standard provides a useful criterion of practice in the production, distribution, and use of high-speed steel, grit edge, and carbide-tipped nonadjustable hole saws and their accessories.
Single copy price: $36.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org>

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

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

Withdrawal

INCITS/ISO/IEC 22505:2021 [2022], Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components (withdrawal of INCITS/ISO/IEC 22505:2021 [2022])
The scope of this document is limited to the evaluation of black ink cartridge page yield for ink-containing cartridges (i.e. integrated ink cartridges and ink cartridges without integrated printheads) for monochrome inkjet print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain inkjet printer components. Both liquid and solid ink products can be tested using this document.
Single copy price: $95.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: incits@itic.org

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:

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

4755 East Philadelphia Street, Ontario, CA 91761-2816 | angela.juarez@iapmo.org, https://www.iapmostandards.org

BSR/ASSE 1101-202x, Water Treatment Products - Reducing Drinking Water Contaminants to the US EPAs Maximum Contaminant Level Goal (MCLG) (new standard)
Send comments (copy psa@ansi.org) to: Terry Burger <standards@iapmostandards.org>

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

4755 East Philadelphia Street, Ontario, CA 91761-2816 | angela.juarez@iapmo.org, https://www.iapmostandards.org

BSR/ASSE 1112-202x, Packaged Plumbing and Mechanical Systems for Continuous Microbiological Mitigation (new standard)
Send comments (copy psa@ansi.org) to: Angela Juarez <angela.juarez@iapmo.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.

API (American Petroleum Institute)

200 Massachusetts Ave NW, Washington DC, DC 20001 | DiazM@api.org, www.api.org

ANSI/API Spec 5CRA/ISO 13680-2025, Corrosion-resistant Alloy Seamless Products for Use as Casing, Tubing, Coupling Stock, and Accessory Material (identical national adoption of ISO 13680:2024 and revision of ANSI/API Spec 5CRA/ISO 13680-2022) Final Action Date: 2/26/2025 | *National Adoption*

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

ANSI/ASABE/ISO 15077-2008 OCT2008 (R2024), Tractors and Self-Propelled Machinery for Agriculture - Operator Controls - Actuating Forces, Displacement, Location and Method of Operation (withdrawal of ANSI/ASABE/ISO 15077 -2008 OCT2008 (R2024)) Final Action Date: 2/25/2025 | *Withdrawal*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B31.8S-2025, Managing System Integrity of Gas Pipelines (revision of ANSI/ASME B31.8S-2022) Final Action Date: 2/27/2025 | *Revision*

ANSI/ASME BPVC Section XII-2025, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2023) Final Action Date: 2/25/2025 | *Revision*

ANSI B94.21-1968 (S2025), Gear Shaper Cutters (stabilized maintenance of ANSI B94.21-1968 (R2019)) Final Action Date: 2/25/2025 | *Stabilized Maintenance*

ANSI/ASME B5.11-1964 (S2025), Spindle Noses and Adjustable Adaptors for Multiple Spindle Drilling Heads (stabilized maintenance of ANSI/ASME B5.11-1964 (R2018)) Final Action Date: 2/24/2025 | *Stabilized Maintenance*

ANSI/ASME B5.35-1983 (S2025), Machine Mounting Specifications for Abrasive Discs and Plate Mounted Wheels (stabilized maintenance of ANSI/ASME B5.35-1983 (R2018)) Final Action Date: 2/25/2025 | *Stabilized Maintenance*

ANSI/ASME B5.35-1983 (S2025), Machine Mounting Specification Abrasive Discs and Plate-Mounted Wheels (stabilized maintenance of ANSI/ASME B5.35-1983 (R2018)) Final Action Date: 2/25/2025 | *Stabilized Maintenance*

ANSI/ASME B5.47-1972 (S2025), Milling Machine Arbor Assemblies (stabilized maintenance of ANSI/ASME B5.47-1972 (R2018)) Final Action Date: 2/25/2025 | *Stabilized Maintenance*

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

ANSI/ATIS 0600029-2019 (R2025), Standard for Irreversible Compression Lugs, Inline Splices, and Taps (reaffirmation of ANSI/ATIS 0600029-2019) Final Action Date: 2/27/2025 | *Reaffirmation*

ANSI/ATIS 0600307-2024-2025, Fire Resistance Criteria - Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI/ATIS 0600307-2018 (R2023)) Final Action Date: 2/27/2025 | *Revision*

ANSI/ATIS 0600329-2024-2025, Network Equipment - Earthquake Resistance (revision of ANSI ATIS 0600329-2014 (R2019)) Final Action Date: 2/27/2025 | *Revision*

AWS (American Welding Society)

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

ANSI/AWS A5.17/A5.17M-2025, Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.17/A5.17M-2019) Final Action Date: 2/25/2025 | *Revision*

ANSI/AWS A5.23/A5.23M-2025, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.23/A5.23M-2021) Final Action Date: 2/25/2025 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C512-2025, Air-Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service - Metallic Body and Cover (revision of ANSI/AWWA C512-2015) Final Action Date: 2/24/2025 | *Revision*

BHMA (Builders Hardware Manufacturers Association)

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

ANSI/BHMA A156.39-2025, Standard for Residential Locksets and Latches (revision of ANSI/BHMA A156.39-2020) Final Action Date: 2/24/2025 | *Revision*

ANSI/BHMA A156.40-2025, Standard for Residential Deadbolts (revision of ANSI/BHMA A156.40-2020) Final Action Date: 2/24/2025 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA NGV 3.1-2022 (R2025), Fuel system components for compressed natural gas powered vehicles (reaffirmation of ANSI/CSA NGV 3.1-2022) Final Action Date: 2/26/2025 | *Reaffirmation*

ANSI/CSA PRD 1 (R2025), Pressure relief devices for natural gas vehicle (NGV) fuel containers (reaffirmation of ANSI/PRD 1-2020) Final Action Date: 2/27/2025 | *Reaffirmation*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 1800-2025, Standard for System Verilog - Unified Hardware Design, Specification, and Verification Language (revision of ANSI/IEEE 1800-2012) Final Action Date: 2/27/2025 | *Revision*

IES (Illuminating Engineering Society)

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

ANSI/IES LM-63-25, Approved Method: IES Standard File Format for the Electronic Transfer of Photometric Data and Related Information (reaffirmation of ANSI/IES LM-63-20) Final Action Date: 2/25/2025 | *Reaffirmation*

ANSI/IES TM-25-25, Technical Memorandum: Ray File Format for the Description of the Emission Properties of Light Sources (reaffirmation of ANSI/IES TM-25-20) Final Action Date: 2/25/2025 | *Reaffirmation*

ANSI/IES TM-27-25, Technical Memorandum: IES Standard Format for the Electronic Transfer of Spectral Data (reaffirmation of ANSI/IES TM-27-20) Final Action Date: 2/25/2025 | *Reaffirmation*

ANSI/IES TM-35-25, Technical Memorandum: Projecting Long-Term Chromaticity Coordinate Shift of LED Packages, Arrays, and Modules (reaffirmation of ANSI/IES TM-35-19) Final Action Date: 2/25/2025 | *Reaffirmation*

NSF (NSF International)

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

ANSI/NSF 14-2024 (i147r2), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2023) Final Action Date: 2/24/2025 | *Revision*

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI/SCTE 135-2-2019 (R2025), DOCSIS 3.0 Part 2: MAC and Upper Layer Protocols (reaffirmation of ANSI/SCTE 135-02 -2019) Final Action Date: 2/27/2025 | *Reaffirmation*

ANSI/SCTE 135-4-2019 (R2025), DOCSIS 3.0 Part 4: Operations Support Systems Interface (reaffirmation of ANSI/SCTE 135-04-2019) Final Action Date: 2/27/2025 | *Reaffirmation*

ANSI/SCTE 165-1-2019 (R2025), IPCablecom 1.5 Part 1: Architecture Framework Technical Report (reaffirmation of ANSI/SCTE 165-01-2019) Final Action Date: 2/27/2025 | *Reaffirmation*

ANSI/SCTE 165-4-2019 (R2025), IPCablecom 1.5 Part 4: Dynamic Quality-of-Service (reaffirmation of ANSI/SCTE 165-04 -2019) Final Action Date: 2/27/2025 | *Reaffirmation*

ANSI/SCTE 277-2025, Linear Contribution Encoding Specification (revision of ANSI/SCTE 277-2022) Final Action Date: 2/25/2025 | *Revision*

ANSI/SCTE 214-3-2015, MPEG DASH for IP-Based Cable Services - Part 3: DASH/FF Profile (withdrawal of ANSI/SCTE 214-3-2015) Final Action Date: 2/25/2025 | *Withdrawal*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 455-11-E-2025, Vibration Test Procedures for Fiber Optic Components and Cables (new standard) Final Action Date: 2/27/2025 | *New Standard*

ULSE (UL Standards & Engagement)

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

ANSI/UL 1795-2025, Standard for Safety for Hydromassage Bathtubs (new standard) Final Action Date: 2/27/2025 | *New Standard*

ANSI/UL 153-2025, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2024) Final Action Date: 2/25/2025 | *Revision*

ANSI/UL 346-2025, Standard for Waterflow Indicators for Fire Protective Signaling Systems (revision of ANSI/UL 346 -2005 (R2023)) Final Action Date: 2/26/2025 | *Revision*

ANSI/UL 486C-2025, Standard for Splicing Wire Connectors (revision of ANSI/UL 486C-2023) Final Action Date: 2/21/2025 | *Revision*

ANSI/UL 626-2025, Standard for Water Fire Extinguishers (revision of ANSI/UL 626-2021) Final Action Date: 2/20/2025 | *Revision*

ANSI/UL 810-2025, Standard for Capacitors (revision of ANSI/UL 810-2023) Final Action Date: 2/27/2025 | *Revision*

ANSI/UL 817-2025, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2023) Final Action Date: 2/25/2025 | *Revision*

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 47.1-2025, Common Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (revision of ANSI/VITA 47.1-2019) Final Action Date: 2/26/2025 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

BSR/AAMI CI86-202x, Cochlear implant systems: Requirements for safety, functional verification, labeling and reliability reporting (revision of ANSI/AAMI CI86-2017)
Interest Categories: Committee is seeking general interest, industry, regulatory/govt and user members to participate in the revision of AAMI CI86, Cochlear implant systems: Requirements for safety, functional verification, labeling and reliability reporting

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST SG-OMM-202x, Long-Term Stewardship of Radon and Soil Gas Hazards (new standard)

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | MonchakN@api.org, www.api.org

BSR/API MPMS Chapter 2.2C, 2nd Edition-202x, Tank Calibration by Optical Triangulation Method (national adoption of ISO 7507-3:2006 with modifications and revision of ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2021))

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | MonchakN@api.org, www.api.org

BSR/API MPMS Chapter 2.2D, 2nd Edition-202x, Tank Calibration by Internal Electro-Optical Distance-Ranging Method (national adoption with modifications of ISO 7507-4:2010)

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | MonchakN@api.org, www.api.org

BSR/API MPMS Chapter 2.2E, 2nd Edition-202x, Calibration of Horizontal Cylindrical Tanks - Part 1: Manual Methods (identical national adoption of ISO 12917-1:2017 and revision of ANSI/API MPMS Chapter 2.2E, 1st Edition-2004 (R2021))

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ARESCA (American Renewable Energy Standards and Certification Association)

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

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

ASA (ASC S3) (Acoustical Society of America)

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

BSR S3.35-202x, Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (revision of ANSI/ASA S3.35-2021)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME BPVC Section VI-202x, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2023)

ASSP (Safety) (American Society of Safety Professionals)

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

BSR/ASSP Z310.1-202x, Risk Management - Guidelines for Assessing and Managing Risks (new standard)

AWS (American Welding Society)

8669 NW 36th St, Miami, FL 3316 | acelaya@aws.org, www.aws.org

BSR/AWS C2.26/C2.26M-202x, Specification for Thermal Spray Powder (revision of ANSI/AWS C2.26/C2.26M -2024)

AWS (American Welding Society)

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

BSR/AWS D1.3/D1.3M-202x, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2018)

CTA (Consumer Technology Association)

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

BSR/CTA 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)
Interest Categories: CTA is seeking new members to join the consensus body. CTA and The R14 Cybersecurity and Privacy Management Committee are particularly interested in adding new members (called "users") who develops standards, recommended practices, and technical reports in the area of cybersecurity and privacy management, for developers of connected devices.

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

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

INCITS 560-2023/AM1-202x, Information Technology - Fibre Channel - Physical Interfaces - 8 - Amendment 1 (FC-PI-AM1) (addenda to INCITS 560-2023)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INCITS/ISO/IEC 22505:2021 [2022], Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components (withdrawal of INCITS/ISO/IEC 22505:2021 [2022])

NEMA (ASC C37) (National Electrical Manufacturers Association)

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

BSR C37.57-202x, Standard for Switchgear - Metal-Enclosed Interrupter Switchgear Assemblies - Conformance Testing (new standard)

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

BSR C82.77-1-202x, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) - General Requirements and Criteria (revision of ANSI C82.77-1-2020)

NSF (NSF International)

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

BSR/NSF/CAN 60-202x (i106r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)

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

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

BSR/SAIA A11.6-202x, Standard for Testing and Rating Scaffold Planks and Decks (new standard)

ULSE (UL Standards & Engagement)

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

BSR/UL 207-202x, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical (revision of ANSI/UL 207-2022)

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ACCA - Air Conditioning Contractors of America

Effective February 26, 2025

The reaccreditation of the **ACCA - Air Conditioning Contractors of America** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ACCA-sponsored American National Standards, effective **February 26, 2025**. For additional information, please contact: David Bixby, Air Conditioning Contractors of America (ACCA) | 1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | (703) 575-4477, david.bixby@acca.org

Approval of Reaccreditation – ASD

ALI - Automotive Lift Institute

Effective February 26, 2025

The reaccreditation of the **ALI - Automotive Lift Institute** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ALI-sponsored American National Standards, effective **February 26, 2025**. For additional information, please contact: Heather Almeida, Automotive Lift Institute (ALI) | PO Box 85, 3699 Luker Road, Cortland, NY 13045 | (607) 756-7775, heather@autolift.org

Approval of Reaccreditation – ASD

PJRFSI - Perry Johnson Registrars Food Safety Inc.

Effective February 28, 2025

The reaccreditation of **PJRFSI - Perry Johnson Registrars Food Safety Inc.** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on PJRFSI-sponsored American National Standards, effective **February 28, 2025**. For additional information, please contact: Lauren Maloney, Perry Johnson Registrars Food Safety Inc. (PJRFSI) | 755 W. Big Beaver Road, Suite 1390, Troy, MI 48084 | (248) 519-2523 4785, lmaloney@pjrfsi.com

Meeting Notices (Standards Developers)

Meeting Notices (Standards Developers)
ANSI Accredited Standards Developer
ASSP (Safety) - American Society of Safety Professionals
Meeting: April 9th-April 10th, 2025
The American Society of Safety Professionals (ASSP) is the secretariat for the ASSP Z16 Committee for Safety and Health Metrics and Performance Measures. The next Z16 meeting will take place in person on April 9th-April 10th, 2025. Those interested in participating can contact ASSP for additional information at LBauerschmidt@assp.org.

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Mike Miskell
mmiskell@aami.org

AARST
American Association of Radon Scientists and Technologists
527 N. Justice Street
Hendersonville, NC 28739
www.aarst.org

Gary Hodgden
StandardsAssist@gmail.com

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

Kathryn Murdoch
kmurdoch@ans.org

API
American Petroleum Institute
200 Massachusetts Ave NW
Washington DC, DC 20001
www.api.org

Mario Diaz
DiazM@api.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
www.api.org

Nick Monchak
MonchakN@api.org

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

George Kelly
secretary@aresca.us

ASA (ASC S3)
Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
www.acousticalsociety.org

Raegan Ripley
standards@acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
https://www.asabe.org/

Carla Companion
companion@asabe.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

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

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
www.assp.org

Lauren Bauerschmidt
LBauerschmidt@assp.org

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

Laura Klineburger
accreditation@astm.org

Lauren Daly
accreditation@astm.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street, NW, Ste 500
Washington, DC 20005
www.atis.org

Mignot Asefa
masefa@atis.org

AWS
American Welding Society
8669 NW 36th St
Miami, FL 3316
www.aws.org

Ady Celaya
acelaya@aws.org

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

Jennifer Rosario
jrosario@aws.org

Kevin Bulger
kbulger@aws.org

Stephen Borrero
sborrero@aws.org

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

Madeline Rohr
mrohr@awwa.org

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

Tony Gambrall
agambrall@kellencompany.com

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

Debbie Chesnik
ansi.contact@csagroup.org

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

Catrina Akers
cakers@cta.tech

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

Karl Aittaniemi
kaittaniemi@iccsafe.org

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

Suzanne Merten
s.merten@ieee.org

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

Patricia McGillicuddy
pmcgillicuddy@ies.org

IEST
Institute of Environmental Sciences and Technology
1827 Walden Office Square, Suite 400
Schaumburg, IL 60173
www.iest.org

Kimberly Conradi
kconradi@iest.org

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

Deborah Spittle
INCITS-comments@connectedcommunity.org

Kim Quigley
kquigley@itic.org

Lynn Barra
INCITS-comments@connectedcommunity.org

NEMA (ASC C37)
National Electrical Manufacturers Association
1300 17th St N #900,
Arlington, VA 22209
www.nema.org

Paul Crampton
Paul.Crampton@nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Arlington, VA 22209
www.nema.org

Khaled Masri
Khaled.Masri@nema.org

NEMA (ASC C82)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
www.nema.org

Michael Erbesfeld
Michael.Erbesfeld@nema.org

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

Nena Staff
crm@nena.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org

Dawn Michele Bellis
dbellis@nfpa.org

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

Amy Jump
ajump@nsf.org

Emily Richardson
erichardson@nsf.org

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

DeAnna Martin
deanna@saiaonline.org

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

Natasha Aden
naden@scte.org

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

Teesha Jenkins
tjenkins@tiaonline.org

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

Hilal Misilmani
hilal.elmisilmani@ul.org

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

Ashley Seward
ashley.seward@ul.org

Grayson Flake
Grayson.Flake@ul.org

Julio Morales
Julio.Morales@UL.org

Marina Currie
marina.currie@ul.org

Nicolette Weeks
Nicolette.A.Weeks@ul.org

Tony Partridge
Tony.Partridge@ul.org

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

Christina Riemer
christina.riemer@ul.org

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

Lisette Delgado
Lisette.delgado@ul.org

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

Anna Roessing-Zewe
anna.roessing-zewe@ul.org

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

Mitchell Gold
mitchell.gold@ul.org

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

Derrick Martin
Derrick.L.Martin@ul.org

Linda Phinney
Linda.L.Phinney@ul.org

USEMCSC
United States EMC Standards Corp.
445 Hoes Lane
Piscataway, NJ 08854

Jennifer Santulli
j.santulli@ieee.org

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

Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Aircraft and space vehicles (TC 20)

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

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 7396-1, Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - 5/19/2025, $194.00

Ceramic tile (TC 189)

ISO/DIS 10545-24.2, Ceramic tiles - Part 24: Tensile adhesion strength of fibre-combined multilayer ceramic tile and tile adhesive - 3/8/2025, $40.00

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

ISO 22095:2020/DAmd 1, - Amendment 1: Chain of custody - General terminology and models - Amendment 1: Update to Figure 1 - 5/17/2025, $29.00

Dentistry (TC 106)

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

ISO/DIS 13504.2, Dentistry - General requirements for instruments and related accessories used in dental implant placement and treatment - 7/12/2024, $53.00

Document imaging applications (TC 171)

ISO/DIS 20271-2, Document management - Reference model for long-term preservation of textual documents - Part 2: Fundamentals - 5/16/2025, $82.00

Environmental management (TC 207)

ISO/DIS 14021, Environmental statements and programmes for products - Self-declared environmental claims - 5/22/2025, $125.00

Fasteners (TC 2)

ISO/DIS 4027, Fasteners - Hexagon socket set screws with truncated cone point - 5/22/2025, $40.00

Graphical symbols (TC 145)

ISO 7001:2023/DAmd 106, - Amendment 1: Graphical symbols - Registered public information symbols - Amendment 106: PI PF 085pr Health check - 5/16/2025, $29.00

Industrial automation systems and integration (TC 184)

ISO/DIS 23704-4, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 4: Requirements and guidelines for implementing reference architecture of CPSMT for subtractive manufacturing - 5/16/2025, $107.00

Mechanical vibration and shock (TC 108)

ISO/DIS 13373-9, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 9: Diagnostic techniques for electric motors - 5/16/2025, $88.00

Nuclear energy (TC 85)

ISO/DIS 16659-2, Ventilation systems for nuclear facilities - In-situ efficiency test methods for iodine traps with solid sorbent - Part 2: Radioactive CH3I method - 5/17/2025, $107.00

ISO/DIS 16659-3, Ventilation systems for nuclear facilities - In-situ efficiency test methods for iodine traps with solid sorbent - Part 3: Cyclohexane gas leakage rate method - 5/17/2025, $71.00

Optics and optical instruments (TC 172)

ISO/DIS 9849, Optics and optical instruments - Geodetic and surveying instruments - Vocabulary - 5/19/2025, $88.00

ISO/DIS 11979-1.2, Ophthalmic implants - Intraocular lenses - Part 1: Vocabulary - 3/6/2025, $58.00

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

ISO/DIS 12051, Plastics piping systems for water supply and drainage and sewerage under pressure - modified poly(vinyl chloride)(PVC-M) pipe - 5/19/2025, $107.00

Road vehicles (TC 22)

ISO 11154:2023/DAmd 1, - Amendment 1: Road vehicles - Roof load carriers - Amendment 1 - 5/16/2025, $29.00

Robots and robotic devices (TC 299)

ISO/DIS 18646-6, Robotics - Performance criteria and related test methods for service robots - Part 6: Lower-limb wearable robots - 5/22/2025, $82.00

Rubber and rubber products (TC 45)

ISO/DIS 22271-1, Rubber, vulcanized - Quantitative analysis methods for volatilized sulfur and sulfur compounds under heating conditions - Part 1: Sulfur - 5/17/2025, $62.00

ISO/DIS 22271-2, Rubber, vulcanized - Quantitative analysis methods for volatilized sulfur and sulfur compounds under heating conditions - Part 2: Sulfur compounds - 5/22/2025, $58.00

Safety of machinery (TC 199)

ISO/DIS 12895.2, Safety of machinery - Identification of whole body access and prevention of associated risk(s) - 5/17/2024, $93.00

Ships and marine technology (TC 8)

ISO/DIS 21319, Submersibles -Toolings -Technology requirements - 5/22/2025, $53.00

Steel (TC 17)

ISO/DIS 18203, Steel - Determination of the thickness of surface-hardened layers - 5/16/2025, $62.00

Sustainable development in communities (TC 268)

ISO/DIS 37187, Smart community infrastructures - Guidelines on data exchange and sharing of city information modelling platform - 5/15/2025, $102.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 24495-3, Plain language - Part 3: Science writing - 5/18/2025, $62.00

Textiles (TC 38)

ISO/DIS 9348, Textiles - Determination of the anti-contamination propensity of fabrics to particulate matter - Digital measurement method - 5/17/2025, $46.00

ISO/DIS 24953, Textiles - Determination for iodine isotope adsorption efficiency of activated carbon fibre - 5/19/2025, $71.00

Traditional Chinese medicine (TC 249)

ISO/DIS 24066, Traditional Chinese medicine - Euodia (syn. Evodia or Tetradium) fruit - 5/18/2025, $62.00

Water quality (TC 147)

ISO/DIS 5667-10, Water quality - Sampling - Part 10: Guidance on sampling waste water - 5/16/2025, $119.00

ISO/IEC JTC 1, Information Technology

Other

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

IEC Standards

Alarm systems (TC 79)

79/720/CDV, IEC 62820-1-1 ED2: Building intercom systems - Part 1-1: System requirements - General, 05/23/2025

79/721/CDV, IEC 62820-1-2 ED2: Building intercom systems - Part 1-2: System requirements - Building intercom systems using the internet protocol (IP), 05/23/2025

All-or-nothing electrical relays (TC 94)

94/1106/CDV, IEC 63522-3 ED1: Electrical relays - Tests and Measurements - Part 3: Relay coil properties, 04/25/2025

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

46F/696/CDV, IEC 61169-64 ED2: Radio frequency connectors - Part 64: Sectional specification - RF coaxial connectors with 0,8 mm inner diameter of outer conductor - Characteristic impedance 50 Ω (type 0,8), 05/23/2025

46F/697/CDV, IEC 63616 ED1: Measurement of the conductivity for metal thin films at microwave and millimeter-wave frequencies balanced-type circular disk resonator method, 05/23/2025

Electric cables (TC 20)

20/2232/FDIS, IEC 60332-1-2 ED2: Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame, 04/11/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1036(F)/FDIS, IEC 63380-1 ED1: Standard interface for connecting charging stations to local energy management systems - Part 1: General requirements, use cases and abstract messages, 03/14/2025

Electrical accessories (TC 23)

23B/1567/NP, PNW 23B-1567 ED1: Prosumer plugs and prosumer inlets for household and similar purposes - Part 2: Standard sheets and gauges, 05/23/2025

Electrical apparatus for explosive atmospheres (TC 31)

31/1858/FDIS, IEC 60079-18 ED5: Explosive atmospheres - Part 18: Equipment protection by encapsulation "m", 04/11/2025

31M/246/CDV, ISO/IEC 80079-38 ED2: Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines, 05/23/2025

Electrical equipment in medical practice (TC 62)

62A/1648/NP, PNW TS 62A-1648 ED1: Medical devices - Part 3: Guidance on the application of usability engineering to medical devices using artificial intelligence and machine learning technology, 05/23/2025

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

48B/3150(F)/FDIS, IEC 63171 ED2: Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - General requirements and tests, 03/14/2025

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

104/1091/CDV, IEC 60721-3-3/AMD1 ED3: Amendment 1 - Classification of environmental conditions - Part 3-3: Classification of groups of environmental parameters and their severities - Stationary use at weatherprotected locations, 05/23/2025

Industrial-process measurement and control (TC 65)

65A/1164(F)/CDV, IEC 61508-1 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements, 05/09/2025

65A/1165(F)/CDV, IEC 61508-2 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems, 05/09/2025

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

65A/1166(F)/CDV, IEC 61508-4 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 4: Definitions and abbreviations, 05/09/2025

65A/1167(F)/CDV, IEC 61508-5 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: Examples of methods for the determination of safety integrity levels, 05/09/2025

65A/1168(F)/CDV, IEC 61508-7 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 7: Overview of techniques and measures, 05/09/2025

65/1120/NP, PNW 65-1120 ED1: Industrial Automation Product Data, 05/23/2025

Measuring equipment for electromagnetic quantities (TC 85)

85/949(F)/FDIS, IEC 61554 ED2: Panel mounted equipment - Electrical measuring instruments - Dimensions for panel mounting, 03/14/2025

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

113/894/NP, PNW TS 113-894 ED1: Nanomanufacturing - Product specification - Part 3-7:Graphene-related products - Blank detail specifications: graphene-based heat dissipating film, 05/23/2025

Nuclear instrumentation (TC 45)

45B/1084/CD, IEC 61005 ED4: Radiation protection instrumentation - Portable neutron ambient dose equivalent (rate) meters, 04/25/2025

Performance of household electrical appliances (TC 59)

59/844/CDV, IEC 62849 ED2: Performance evaluation methods of robots for household and similar use, 04/25/2025

Power transformers (TC 14)

14/1142/NP, PNW 14-1142 ED1: Power Transformers - Part 9: Terminal and tapping markings for power transformers, 05/23/2025

Printed Electronics (TC 119)

119/539/FDIS, IEC 62899-402-1 ED2: Printed electronics - Part 402-1: Printability - Measurement of qualities - Line pattern widths, 04/11/2025

119/532/CDV, IEC 62899-402-8 ED1: Printed electronics - Part 402-8: Printability - Measurement of qualities - Shape pattern dimension, 05/23/2025

Secondary cells and batteries (TC 21)

21A/920/CD, IEC 61951-1 ED5: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-Cadmium, 04/25/2025

21A/922/CD, IEC 61951-2 ED5: Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, 04/25/2025

21A/923/CD, IEC 63115-1 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance, 04/25/2025

21A/924/CD, IEC 63115-2 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 2: Safety, 04/25/2025

Semiconductor devices (TC 47)

47E/853/CDV, IEC 60747-5-13/AMD1 ED1: Amendment 1 - Semiconductor devices - Part 5-13: Optoelectronic devices - Hydrogen sulphide corrosion test for LED packages, 05/23/2025

47E/852/CDV, IEC 60747-5-18 ED1: Semiconductor devices - Part 5-18: Optoelectronic devices - Light emitting diodes - Test method of the macro photoluminescence for epitaxial wafers of micro light emitting diodes, 05/23/2025

47D/988/CD, IEC 63378-4 ED1: Thermal standardization on semiconductor packages - Part 4: Thermal evaluation board specifications for fine pitch semiconductor packages, 05/23/2025

Solar photovoltaic energy systems (TC 82)

82/2371/CD, IEC 61215-1/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements, 04/25/2025

82/2370/CD, IEC 61215-1-1/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules, 04/25/2025

82/2372/CD, IEC 61215-2/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures, 04/25/2025

Steam turbines (TC 5)

5/278/CD, IEC 60953-1 ED2: Rules for steam turbine thermal acceptance tests - Part 1: High accuracy for large condensing steam turbines, 04/25/2025

5/279/CD, IEC 60953-4 ED1: Rules for steam turbine thermal acceptance tests - Part 4: Routine testing, 04/25/2025

(TC)

JTC3/68/NP, PNW JTC3-68 ED1: Characterization and measurement of the frequencies of optical frequency standards, 05/23/2025

JTC3/69/NP, PNW JTC3-69 ED1: Characterization and measurement of the performance of single-photon sources, 05/23/2025

Terminology (TC 1)

1/2636/CDV, IEC 60050-181 ED1: International Electrotechnical Vocabulary (IEV) - Part 181: Documentation, graphical symbols and technical representations of information, 05/23/2025

Newly Published ISO & IEC Standards

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

ISO Standards

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

ISO 19338:2025, Performance requirements for standards on concrete structures, $127.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO 16610-45:2025, Geometrical product specifications (GPS) - Filtration - Part 45: Morphological profile filters: Segmentation, $201.00

Fasteners (TC 2)

ISO 8740:2025, Fasteners - Parallel grooved pins, with chamfer point - Full-length diamond grooves, $84.00

ISO 8741:2025, Fasteners - Reverse-taper grooved pins - Half-length progressive grooves, $84.00

ISO 8744:2025, Fasteners - Taper grooved pins - Full-length progressive grooves, $84.00

ISO 8745:2025, Fasteners - Taper grooved pins - Half-length progressive grooves, $84.00

ISO 8746:2025, Fasteners - Grooved pins with round head - Full-length diamond grooves, $84.00

ISO 8747:2025, Fasteners - Grooved pins with countersunk head - Full-length diamond grooves, $84.00

ISO 13672:2025, Fasteners - Parallel grooved pins - Half-length diamond grooves, $84.00

Governance of organizations (TC 309)

ISO 37001:2025, Anti-bribery management systems - Requirements with guidance for use, $230.00

Jewellery (TC 174)

ISO 10713:2025, Jewellery and precious metals - Gold alloy coatings, $56.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 3873:2025, Industrial protective helmets, $172.00

Photography (TC 42)

ISO 18948:2025, Imaging materials - Photo books - Test methods for permanence and durability, $201.00

Plastics (TC 61)

ISO 12815:2025, Fibre-reinforced plastics - Determination of the plain-pin bearing strength, $84.00

ISO 12817:2025, Fibre-reinforced plastic composites - Determination of open-hole compression strength, $127.00

Quality management and corresponding general aspects for medical devices (TC 210)

ISO 15223-1:2021/Amd 1:2025, - Amendment 1: Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements - Amendment 1: Addition of defined term for authorized representative and modified EC REP symbol to not be country or region specific, $23.00

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

IEC 80000-13:2025, $153.00

Steel (TC 17)

ISO 14811:2025, Ultra-low carbon high boron steel wire rod for copper cladded wire, $56.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO 16840-13:2021/Amd 1:2025, - Amendment 1: Wheelchair seating - Part 13: Determination of the lateral stability property of a seat cushion - Amendment 1, $23.00

Textiles (TC 38)

ISO 16847:2025, Textiles - Test method for assessing the matting appearance of napped fabrics after cleansing, $56.00

ISO 18184:2025, Textiles - Determination of antiviral activity of textile products, $259.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 23285:2025, Agricultural machinery, tractors, and earth-moving machinery - Safety of electrical and electronic components and systems operating at 32 V to 75 V DC and 21 V to 50 V AC, $259.00

Transport information and control systems (TC 204)

ISO 13143:2025, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813, $287.00

Water quality (TC 147)

ISO 5667-27:2025, Water quality - Sampling - Part 27: Guidance on sampling for microplastics in water, $201.00

ISO Technical Specifications

Health Informatics (TC 215)

ISO/TS 23541-2:2025, Health informatics - Categorial structure for representation of 3D human body position system - Part 2: Body movement, $84.00

Transport information and control systems (TC 204)

ISO/TS 22726-2:2025, Intelligent transport systems - Dynamic data and map database specification for connected and automated driving system applications - Part 2: Logical data model of dynamic data, $287.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 15424:2025, Information technology - Automatic identification and data capture techniques - Data carrier identifiers (including symbology identifiers), $172.00

ISO/IEC 19790:2025, Information security, cybersecurity and privacy protection - Security requirements for cryptographic modules, $259.00

ISO/IEC 24759:2025, Information security, cybersecurity and privacy protection - Test requirements for cryptographic modules, $287.00

ISO/IEC 19777-4:2025, Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) language bindings - Part 4: C++, $201.00

ISO/IEC 19777-5:2025, Computer graphics, image processing and environmental data representation- Extensible 3D (X3D) language bindings - Part 5: C#, $201.00

ISO/IEC 23090-5:2025, Information technology - Coded representation of immersive media - Part 5: Visual volumetric video-based coding (V3C) and video-based point cloud compression (V-PCC), $287.00

ISO/IEC 23091-2:2025, Information technology - Coding-independent code points - Part 2: Video, $201.00

ISO/IEC 15938-18:2025, Information technology - Multimedia content description interface - Part 18: Conformance and reference software for compression of neural networks, $172.00

ISO/IEC/IEEE 8802-A:2015/Amd 3:2025, - Amendment 3: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Part A: Overview and architecture - Amendment 3: YANG data model for EtherTypes, $172.00

ISO/IEC/IEEE 8802-1Q:2024/Amd 36:2025, - Amendment 3: Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1Q: Bridges and bridged networks - Amendment 36: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing, $287.00

IEC Standards

All-or-nothing electrical relays (TC 94)

IEC 63522-6 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 6: Contact-circuit resistance or voltage drop, $103.00

IEC 63522-25 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 25: Magnetic interference, $52.00

IEC 63522-35 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 35: Resistance to cleaning solvents, $52.00

IEC 63522-36 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 36: Fire hazard, $52.00

IEC 63522-39 Ed. 1.0 b:2025, Electrical relays - Tests and measurements - Part 39: Insertion and withdrawal force, $52.00

Electrical Energy Storage (EES) Systems (TC 120)

IEC 62933-4-2 Ed. 1.0 b:2025, Electric energy storage (EES) systems - Part 4-2: Guidance on environmental issues - Assessment of the environmental impact of battery failure in an electrochemical based storage system, $322.00

Industrial-process measurement and control (TC 65)

IEC 62541-15 Ed. 1.0 b:2025, OPC Unified Architecture - Part 15: Safety, $496.00

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

IEC 62841-2-4 Amd.1 Ed. 1.0 b:2025, Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type, $26.00

IEC 62841-2-4 Ed. 1.1 en:2025, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type, $296.00

IEC 62841-2-14 Amd.1 Ed. 1.0 b:2025, Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-14: Particular requirements for hand-held planers, $13.00

IEC 62841-2-14 Ed. 1.1 en:2025, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-14: Particular requirements for hand-held planers, $277.00

IEC 62841-2-17 Amd.1 Ed. 1.0 b:2025, Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-17: Particular requirements for hand-held routers, $26.00

IEC 62841-2-17 Ed. 1.1 en:2025, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-17: Particular requirements for hand-held routers, $386.00

IEC Technical Specifications

Switchgear and controlgear (TC 17)

IEC/TS 62271-5 Ed. 1.0 b:2024, High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear and controlgear, $528.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

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

Reply Deadline: 2025-03-15

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

ISO/TC 157 operates under the following scope:

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

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

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

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

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

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

Reply Deadline: 2025-03-15

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

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

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

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

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

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

Establishment of ISO Technical Committee

ISO/TC 351 – Contact centers

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

ISO/TC 351 operates under the following scope:

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

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

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Public Review Draft

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

Second Public Review (March 2025)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

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

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

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

FOREWORD

This addendum was released for public review from November 29, 2024 to January 13, 2025. This ISC has been prepared to address these comments where changes are required. In Section 3.3 for the SI version, the acronym AEER was proposed in the draft for a definition and acronyms, but the table used $ACOP_C$. This independent substantive change replaces AEER with $ACOP_C$ in Section 3.2 and Section 3.3.

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

The original changes are still shown in strikethrough and underlines, but new changes are show highlighted in yellow and only the highlighted yellow text is open for comment within this ISC.

All comments should be submitted thru the ASHRAE online comment database.

My Comments (ashrae.org)

Comments should comply with the following;

- ***Be marked as supportive or non-supportive***
- ***Be specific to the text, section or table that is the subject of the comment***
- ***Where possible proposed alternate language or requirements***
- ***Provide supporting information if needed***
- ***Comments should be submitted during the comment period***
- ***Only text marked as underlined, or strikeout are open for comments.***

Do not use the following comment submittal approach;

- ***Do not submit comments by email or other systems***
- ***Comments should be on a single topic and do not submit multiple comments in one comment. If you have multiple comments submit multiple comments in the on-line system***
- ***Attachments can be used for additional backup, but comments should be entered into the system***

Addendum ba to 90.1-2022

Modify the following definitions to section 3.2 (SI only)

applied cooling coefficient of performance (~~AEER~~ACOP$_C$): A ratio of the cooling capacity in watts to the power input values in watts at standard rating conditions C3 in AHRI Standard 600, including system pump and cooling tower power, expressed in watts/watt

Modify the following abbreviations and acronyms to section 3.3 (SI only):

~~*AEER*~~*ACOP*$_C$ applied cooling coefficient of performance

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

Public Review Draft

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

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

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

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

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

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

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

FOREWORD

This addendum updates Section 9 Lighting scope, exceptions in section 9.3 Simplified Building Method Compliance Path, and exceptions in section 9.4.1.1 lighting controls where lighting is designed to remain on in support of building exit access. It accomplishes the following:

- *Adds clarity to lighting power used for illumination that remains on by this exception to lighting control shut OFF requirements found in five locations of Section 9.*
- *Reduces the exempt lighting power Watts per square foot allowance from 0.02W/ft^2 to 0.01W/ft^2 across the gross lighted floor area.*
- *Defines the purpose and use of the exempt lighting power for exit access.*
- *Improves alignment of the standard with terminology used by building codes.*
- *Adds the define term "exit access" that is defined in US building codes for interpretive simplicity and to support international use of the standard.*

The exception's lighting power reduction does not increase construction costs and may reduce construction costs when fewer luminaires are used in compliance with the exception. Because there is no increase in construction costs or materials, there is no basis or need for a cost-effective analysis.

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

Addendum be to 90.1-2022

Modify the standard as follows for IP (and SI) units:

3.2 Definitions

exit access: That portion of a means of egress system that leads from any occupied portion of a *building* or structure to an exit.

[…]

Exceptions to 9.1.1.1:
1. Emergency lighting that is *automatically* off ~~during~~under normal power ~~operation~~.
2. Lighting~~, including exit signs,~~ that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
3. Exit signs.
4. Decorative gas *lighting systems*.

[…]

Table 9.3.1-1 Simplified Building Method for Office Buildings

Interior Space Type and LPA	Controls
All *spaces* in office *buildings* other than parking garages The total *LPA* for the *building* other than parking garages shall not exceed 0.56 W/ft^2.	All lighting shall be *automatically* controlled to turn off when individual *spaces* are either unoccupied or scheduled to be unoccupied. ~~(~~**Exception:** Lighting power~~load~~ serving the *exit access* and not exceeding 0.01~~2~~ W/ft^2 (0.11~~22~~ W/m^2) multiplied by the *gross lighted floor area* of the *building* ~~the *space* shall be permitted to operate at all times.)~~ Each *space* shall have a *manual control device* that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off.

[…]

Table 9.3.1-2 Simplified Building Method for Retail Buildings

Interior Space Type	Controls
All *spaces* in retail *buildings* other than parking garages The total *LPA* for the *building* other than parking garages shall not exceed 0.70 W/ft^2.	All lighting shall be *automatically* controlled to turn off when individual *spaces* are either unoccupied or scheduled to be unoccupied. ~~(~~**Exception:** Lighting power~~load~~ serving the *exit access* and not exceeding 0.01~~2~~ W/ft^2 (0.11~~22~~ W/m^2) multiplied by the *gross lighted floor area*

	of the *building* ~~the *space* shall be permitted to operate at all times~~.~~)~~ Each *space* shall have a *manual control device* that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off.

[…]

Table 9.3.1-3 Simplified Building Method for School Buildings

Interior Space Type	Control*s*
All *spaces* in school *buildings* other than parking garages The total *LPA* for the *building* other than parking garages shall not exceed 0.63 W/ft^2	All lighting shall be *automatically* controlled to turn off when individual *spaces* are either unoccupied or scheduled to be unoccupied. ~~(~~**Exception:** Lighting power~~load~~ serving the *exit access* and not exceeding 0.01~~2~~ W/ft^2 (0.11~~22~~ W/m^2) multiplied by the *gross lighted floor area* of the *building* ~~the *space* shall be permitted to operate at all times~~.~~)~~ Each *space* shall have a *manual control device* that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off.

[…]

9.4.1.1 Interior Lighting Controls

[…]

h. Automatic full OFF control: All lighting in the *space*, including lighting connected to emergency circuits operating under normal power, shall be *automatically* shut off within 20 minutes of all occupants leaving the *space*. A *control device* meeting this requirement shall control no more than 5000 ft^2.

Exceptions to 9.4.1.1(h): The following lighting is not required to be *automatically* shut off:
1. Lighting required for 24/7 continuous operation.
2. Lighting in *spaces* where patient care is rendered.
3. *General lighting* and *task lighting* in *spaces* where *automatic* shutoff would endanger the safety or security of the room or *building* occupants.
4. Lighting power~~load~~ serving the *exit access* and not exceeding 0.01~~2~~ W/ft^2 (0.11~~22~~ W/m^2) multiplied by the *gross lighted floor area* of the *building*.

[…]

i. Scheduled shutoff*:* All lighting in the *space*, including lighting connected to emergency circuits operating under normal power, shall be *automatically* shut off during periods when the *space* is scheduled to be

unoccupied using either (1) a time-of-day operated *control device* that *automatically* turns the lighting off at specific programmed times or (2) a signal from another *automatic control device* or alarm/security *system*.

The *control device* or *system* shall provide independent control sequences that (1) *control* the lighting for an area of no more than 25,000 ft^2, (2) include no more than one *floor*, and (3) shall be programmed to account for weekends and holidays. Any *manual* control installed to provide override of the scheduled shutoff control shall not turn the lighting on for more than two hours per activation during scheduled off periods and shall not *control* more than 5,000 ft^2.

Exceptions to 9.4.1.1(i): The following lighting is not required to be on scheduled shutoff:

1. Lighting required for 24/7 continuous operation.
2. Lighting in *spaces* where patient care is rendered.
3. *General lighting* and *task lighting* in *spaces* where *automatic* shutoff would endanger the safety or security of the room or *building* occupants.
4. Lighting power~~load~~ serving the *exit access* and not exceeding 0.01~~2~~ W/ft^2 (0.11~~22~~ W/m^2) multiplied by the *gross lighted floor area* of the *building*.

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

Public Review Draft

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

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

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

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

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

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

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

FOREWORD

As a result of new humidity setpoint requirements in ASHRAE 170-2021, hospitals generally no longer qualify for the 90.1 economizer exception number 4 to section 6.5.1, which is based on zone dewpoint. The proposed modification adds an exception to the economizer requirement for hospital buildings that use a heat recovery chiller for space heating. Using an economizer in these systems severely limits the potential for energy recovery, since the chiller is often off during economizer operation. To evaluate the impact of this exception, a simulation analysis was conducted with the PNNL Hospital prototype model in five climates with and without air economizers. The case without an economizer consistently uses less energy than the case with an economizer. The energy cost impact is shown in Figure 1 without the social cost of carbon and in Figure 2 with utility rates that account for the social cost of carbon.

Figure 1. Annual Energy Cost Impact of Economizer Exception for Hospital with Heat Recovery Chiller

Annual Energy Cost without Social Cost of Carbon	CZ 3A, Atlanta	CZ 3B, El Paso	CZ 4A, New York	CZ 5B, Denver	CZ 6A, Rochester
With Economizer	$603,779	$591,052	$556,266	$556,266	$572,715
Without Economizer	$602,164	$578,848	$549,061	$549,061	$568,854
Savings	$1,614	$12,204	$7,205	$7,205	$3,861
Percent Savings	0.3%	2.1%	1.3%	1.3%	0.7%

Figure 2. Annual Energy Cost Impact of Economizer Exception for Hospital with Heat Recovery Chiller, with Social Cost of Carbon

Annual Energy Cost with Social Cost of Carbon	CZ 3A, Atlanta	CZ 3B, ElPaso	CZ 4A, New York	CZ 5B, Denver	CZ 6A, Rochester
With Economizer	$1,040,971	$1,011,385	$975,550	$975,550	$1,030,788
Without Economizer	$1,025,164	$979,316	$946,709	$946,709	$1,002,360
Savings	$15,807	$32,069	$28,841	$28,841	$28,428
Percent Savings	1.5%	3.2%	3.0%	3.0%	2.8%

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

Addendum by to 90.1-2022

Add a new exception to Section 6.5.1 as follows:

Exceptions to 6.5.1: Economizers are not required for the following *systems*:

…

13. Systems in acute inpatient hospitals that include a liquid-to-liquid chiller for heat recovery used for space conditioning, as in Section 6.5.6.3.

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

Public Review Draft

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

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

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

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

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

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

FOREWORD

This addendum updates the definition of photosynthetic photon efficacy (PPE) to luminaire photosynthetic photon efficacy (PPE), so there is an even playing field for all products. The rating of all products will take into account the optical efficiency of the luminaire and the thermal impacts of luminaire design. The remainder of the definition is aligned with the metric developed by the American Society of Agricultural and Biological Engineers (ASABE) for the ANSI/ASABE S640 standard. This luminaire PPE definition is aligned with the Design Lights Consortium Draft Horticultural Technical Requirements V4.0, which are luminaire based, not lamp based.

This addendum increases the minimum allowed luminaire photosynthetic photon efficacy (PPE) to 2.5 µmol/J. This is a 31% increase over the 1.9 µmol/J minimum efficacy currently required for indoor grow spaces and a 47% increase over the 1.7 µmol/J minimum efficacy currently required for greenhouses but is still near the bottom (22nd percentile) of lighting efficacies in the DesignLights Consortium's database of horticultural LED lighting products. This addendum is similar to prior proposals targeted at large light source lighting such as outdoor lighting and warehouse lighting, where lower Lighting Power Density values in ASHRAE/IES Standard 90.1 and other energy codes resulted in selection of LED light sources with higher first costs but with cost-effective simple paybacks that save energy and reduce GHG emissions.

A cost effectiveness analysis was completed, and this addendum meets the ASHRAE/IES 90.1 Std scalar threshold for cost effectiveness for the development of the 2025 standard. With the social cost of carbon this addendum would be more cost-effective.

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

Addendum bz to 90.1-2022

Modify the standard as follows for IP (and SI) units:

3.2 Definitions

luminaire photosynthetic photon efficacy ~~(PPE)~~: photosynthetic photon flux emitted by a ~~light source~~ luminaire between 400 and 700 nm divided by its electrical input power, expressed in units of micromoles per joule as defined by ANSI/ASABE S640-2017.

…

9.4.3 Horticultural Lighting. *Greenhouse horticultural lighting* shall follow the requirements of Section ~~9.4.4.1~~ 9.4.3.1. *Indoor grow horticultural lighting* shall follow the requirements of Section ~~9.4.4.2~~ 9.4.3.2.

9.4.3.1 *Luminaires* in *greenhouses* with at least 40 *kW* of connected load for *horticultural lighting* shall have a *luminaire photosynthetic photon efficacy* ~~(*PPE*)~~ of at least ~~1.7~~2.5 µmol/J ~~for integrated, nonserviceable *luminaires*, or a *PPE* of at least 1.7 µmol/J for *lamps* in *luminaires* with removable or serviceable *lamps*~~. *Horticultural lighting* in *greenhouse spaces* shall be controlled by a device that *automatically* turns off the *horticultural lighting* at specific programmed times.

9.4.3.2 *Luminaires* in *indoor grow spaces* used for *horticultural lighting* shall have a *luminaire photosynthetic photon efficacy ~~PPE~~* of at least ~~1.9~~2.5 µmol/J ~~for integrated, nonserviceable *luminaires*, or a *PPE* of at least 1.9 µmol/J for *lamps* in *luminaires* with removable or serviceable *lamps*~~. *Horticultural lighting* in *indoor grow spaces* shall be controlled by a device that *automatically* turns off the *horticultural lighting* at specific programmed times.

Exception to ~~9.4.4.2~~ 9.4.3.2: *Indoor grow buildings* with less than 40 *kW* of connected load for *horticultural lighting* shall have a *luminaire photosynthetic photon efficacy ~~PPE~~* of at least 1.7 µmol/J~~for integrated, nonserviceable *luminaires*, or a *PPE* of at least 1.7 µmol/J for *lamps* in *luminaires* with removable or serviceable *lamps*~~.

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

Public Review Draft

Proposed Addendum cb to Standard 90.1-2022, Energy Standard for Buildings Except Low-Rise Residential Buildings

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

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

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

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

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

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

FOREWORD

This addendum updates the graphic associated with Section 10 of the standard. Updating the graphic revealed a need to clean up the term "other equipment" with a phrase that is less ambiguous. The compliance path in Section 10 was updated to better reflect what the graphic illustrates, following similar methods used in Section 6 that provide a better description of the standard's intent. The list of mandatory sections was converted from sentence format to a list format.

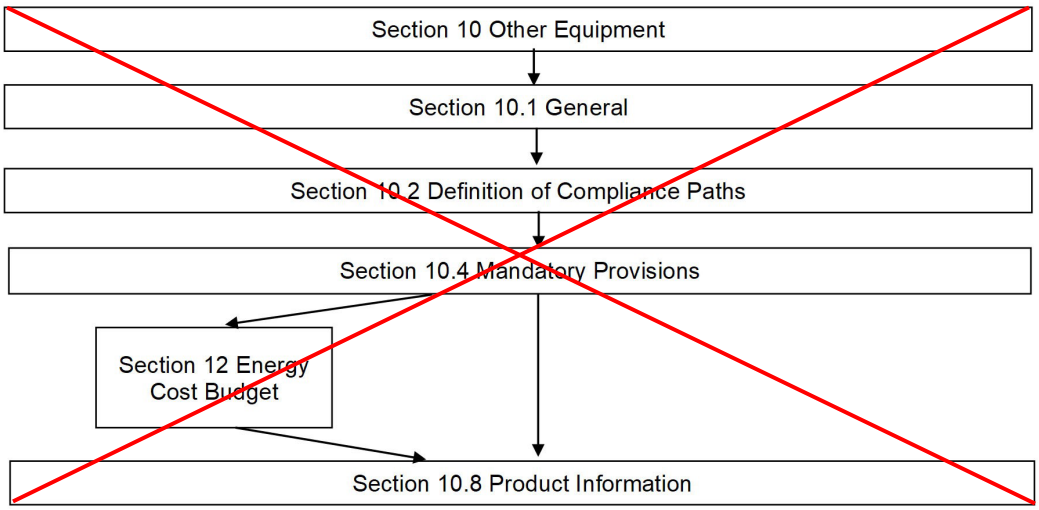
If the updated graphic and list format are approved by the SSPC, the Format & Compliance Committee will make similar graphic changes to other sections.

Changes noted herein have no cost impact.

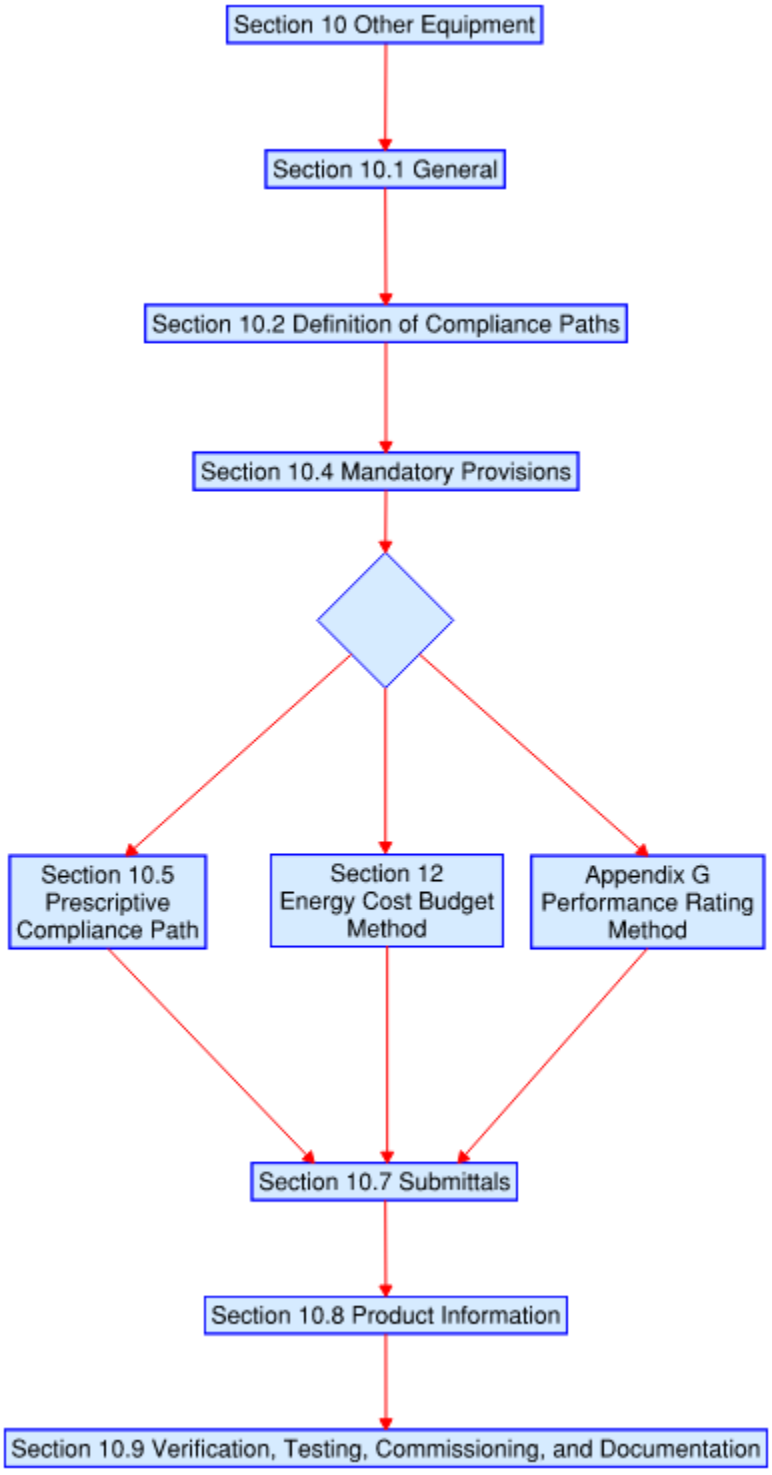
[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these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

Addendum cb to 90.1-2022

Revise Section 10 graphic as shown below.
[. . .]



New graphic –


Section 10 Other Equipment
Section 10.1 General
Section 10.2 Definition of Compliance Paths
Section 10.4 Mandatory Provisions
Section 10.5 Prescriptive Compliance Path
Section 12 Energy Cost Budget Method
Appendix G Performance Rating Method
Section 10.7 Submittals
Section 10.8 Product Information
Section 10.9 Verification, Testing, Commissioning, and Documentation

[. . .]

Revise Section 10.1 as shown (IP and SI Units)

[. . .]

10.1.1 Scope. This section applies to other *equipment* as described in Section 10.4 and 10.5.

10.1.2 New Building or Site System or Equipment. ~~Other *equipment*~~ *Equipment* covered by this section and installed in new *buildings* shall comply with the requirements of Section 10.2.

10.1.3 Additions to Existing Systems and Equipment. ~~Other *equipment*~~ *Equipment* covered by this section and installed in *additions* to *existing buildings* and *existing sites* shall comply with the requirements of Section 10.2.

10.1.4 Alterations to Existing Service Equipment or Systems

10.1.4.1 *Alterations* to ~~other~~ *building service equipment* covered by this section shall comply with the requirements of Section 10.2 as applicable to those specific portions of the *building* that are being altered.

[. . .]

Revise Section 10.2 as shown (IP and SI Units)

[. . .]

10.2 Compliance Paths. ~~Other *equipment*~~ *Equipment* covered by this section shall comply with Sections 10.2.1 and 10.2.2.

10.2.1 Requirements for All Compliance Paths. ~~Other *equipment*~~ *Equipment* covered by this section shall comply with the following:

a. Section~~s~~ 10.1, ~~"~~General~~";~~
b. Section 10.4, ~~"~~Mandatory Provisions~~";~~
~~10.5, "Prescriptive Path",~~
c. Section 10.7, Submittals"; ~~and~~
d. Section 10.8, ~~"~~Product Information~~.",~~
e. Section 10.9, Verification, Testing, *Commissioning*, and Documentation

10.2.2 Additional Requirements to Comply with Section 10 ~~(Not Used)~~ *Equipment* covered by this section shall comply with Section 10.5 "Prescriptive Compliance Path".

[. . .]

Revise Section 10.9 as shown (IP and SI Units)

[. . .]

10.9.2 Commissioning. The *energy* performance of ~~the other *equipment systems*~~ *equipment* covered by this section shall be *commissioned* in accordance with Section 4.2.5.2 and reporting shall comply with Section 4.2.5.2.2.

[. . .]

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

Public Review Draft

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

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

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

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

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

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

FOREWORD

Prior to the next publication, the Format and Compliance team was asked to verify accuracy of the current Acronym list. This addendum represents our edits. Note, in the standard, if an Acronym only exists in formula and is described in the formula, we did not add that Acronym to the list unless the Acronym is used in more than one location in the standard.

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

Addendum cd to 90.1-2022

Modify the standard as follows for IP (and SI) units:

3.3 Abbreviations and Acronyms

χ	*chi-factor*, *thermal transmittance* of a *point thermal bridge*	ASTM	ASTM International
Ψ	*psi-factor*, *thermal transmittance* per unit length of a *linear thermal bridge*	AVIXA	Audiovisual and Integrated Experience Association
AAMA	American Architectural Manufacturers Association	BAS	building automation system
ac	alternating current	BEP	best efficiency point
ACCA	Air Conditioning Contractors Association	(*fan*) *bhp*	(*fan*) *brake horsepower*
ach	air changes per hour	*BMS*	building management system
AFUE	annual fuel utilization efficiency	BSR	Board of Standards Review
AHAM	Association of Home Appliance Manufacturers ANSI	Btu	British thermal unit
AHRI	Air-Conditioning, Heating and Refrigeration Institute	Btu/h	British thermal unit per hour
AFUE	annual fuel utilization efficiency	Btu/h·ft·°F	British thermal unit per hour per linear foot per degree Fahrenheit
AISI	American Iron and Steel Institute	Btu/ft^2·°F	British thermal unit per square foot per degree Fahrenheit Btu/h·ft^2
AMCA	Air Movement Control Association	CAN	Canada
ANSI	American National Standards Institute	*CDD*	*cooling degree-day*
ASABE	American Society of Agricultural and Biological Engineers	*CDD*50	*cooling degree-days* base 50°F
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers	*CEER*	*combined energy efficiency ratio*

CFEI	*ceiling fan energy index*	HW	heating water
cfm	cubic feet per minute	HWST	heating-water supply temperature
CHW	chilled water	~~HID~~	~~high-intensity discharge~~
CHWST	chilled-water supply temperature	hp	horsepower
c.i.	*continuous insulation*	*HSPF/HSPF2*	*heating seasonal performance factor*
CMU	concrete masonry unit	HVAC	heating, ventilating, and air conditioning
COP	*coefficient of performance*	HVACR	heating, ventilating, air conditioning, and refrigeration IEC
COP_H	*coefficient of performance, heat pump—heating*	IEC	International Electrotechnical Commission
COP_{HR}	*heat recovery coefficient of performance*	*IEER*	*integrated energy efficiency ratio*
COP_{SHC}	*simultaneous cooling and heating coefficient of performance*	IES	Illuminating Engineering Society
COPS	critical operations power systems	IID	intermittent ignition device
CRRC	Cool Roof Rating Council	IL	inline
CSA	Canadian Standards Organization	in.	inches
CTI	Cooling Technology Institute	I-P	inch-pound
CTI ATC	acceptance test code for water cooling towers	*IPLV*.IP	*integrated part-load value*
CTI STD	Cooling Technology Institute Standard	IR	infrared
CV	constant volume	*ISCOP*	integrated seasonal coefficient of performance
DASMA	Door and Access Systems Manufacturers Association	*ISMRE/ISMRE2*	*integrated seasonal moisture removal efficiency*
db	dry-bulb	ISO	International Standards Organization
DC	direct current	IT	information technology
DCV	*demand control ventilation*	J	joule
DDC	*direct digital control*	K	kelvin
DOAS	dedicated *outdoor air system*	kJ	kilojoule
DOE	U.S. Department of Energy	*kVA*	*kilovolt-ampere*
DX	direct expansion	*kW*	*kilowatt*
EAC	energy attribute certificate	L	length of a *linear thermal bridge*
E_c	combustion *efficiency*	lb	pound
ECM	electronically commutated motor	lin	linear
EER/EER2	*energy efficiency ratio*	lin ft	linear foot
EF	*energy factor*	*LPA*	*lighting power allowance*
EISA	Energy Independence and Security Act	*LPD*	*lighting power density*
EPCA	U.S. Energy Policy and Conservation Act	*Ls*	*liner system*
ER	*energy* recovery	*LSG*	*light-to-solar-gain ratio*
E_t	thermal *efficiency*	MERV	minimum efficiency reporting value
ESCC	*end-suction close-coupled*	MICA	Midwest Insulation Contractors Association
ESFM	*end-suction frame-mounted/own-bearings*	MIL	U.S. Military Specification
°F	Fahrenheit	min.	minimum
FC	filled cavity	MPF	mechanical performance factor
FDD	fault detection and diagnostics	*MRE*	*moisture removal efficiency*
FEI	*fan energy index*	MSH	monitor seal height
FL	full-load	*n*	number of occurrences a *point thermal bridge*
FPT	*functional performance testing*	NAECA	U.S. National Appliance Energy Conservation Act
FPTU	fan-powered *terminal* unit	NEMA	National Electric Manufacturers Association
ft	foot	NFPA	National Fire Protection Association
gr	grains of moisture per pound of dry air	NFRC	National Fenestration Rating Council
GPM	gallons per minute	*NPLV*.IP	nonstandard part-load value
h	hour	OAT	*outdoor air* temperature (dry-bulb unless wet-bulb is specified)
HC	*heat capacity*	*OA*	*outdoor air*
HDD	*heating degree-day*	PEI	*pump* energy index
*HDD*65	*heating degree-days* base 65°F	PER	*pump* energy rating
$h \cdot ft^2 \cdot °F/Btu$	hour per square foot per degree Fahrenheit per British thermal unit	*PF*	*projection factor*

PFP	parallel fan-powered	wb	wet-bulb
~~PPE~~	~~photosynthetic photon efficacy~~	WDMA	Window and Door Manufacturers Association
PRM	*performance rating method*	W/ft^2	watts per square foot
PRV	power roof/wall ventilator	WF	well factor
PSZ-AC	packaged single-zone air conditioner		
PSZ-HP	packaged single-zone heat pump		
PTAC	*packaged terminal air conditioner*		
PTHP	*packaged terminal heat pump*		
PV	photovoltaic		
$P_{W,off}$	off-mode power consumption		
$P_{W,SB}$	standby power mode consumption		
R	*R-value* (*thermal resistance*)		
RAC	room air conditioners		
RAT	return air temperature (dry-bulb unless wet-bulb is specified)		
R_c	*thermal resistance* of a material or *construction* from surface to surface		
RCR	*room cavity ratio*		
REC	renewable energy certificate		
rpm/RPM	revolutions per minute		
R_u	total *thermal resistance* of a material or *construction* including air film resistances rpm		
RSV	radially split, multistage, vertical, inline diffuser casing		
SAT	supply air temperature (dry-bulb unless wet-bulb is specified)		
SC	*shading coefficient*		
SEER/*SEER2*	*seasonal energy efficiency ratio SERR*		
SERR	*series energy recovery ratio*		
SHGC	*solar heat gain coefficient*		
SHW	service hot water		
SI	International System of Units		
SL	standby loss		
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association		
SPVAC	*single-package vertical air conditioner*		
SPVHP	*single-package vertical heat pump*		
ST	submersible turbine		
SWH	service water heating		
SZ	single zone		
T_{db}	dry-bulb temperature		
TDA	total display area		
TIA	Telecommunications Industry Association		
TSPR	*total system performance ratio*		
$TSPR_p$	*TSPR* of a *proposed design*		
$TSPR_r$	*TSPR* of a *TSPR reference building design*		
T_{wb}	wet-bulb temperature		
UEF	uniform energy factor		
UPS	uninterruptible power supply		
VAV	*variable air volume*		
VRF	*variable refrigerant flow*		
VSD	variable-speed drive		
VT	*visible transmittance* (also known as visible light transmittance [VLT])		
V&T	verification and testing		
W	watt		

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

Public Review Draft

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

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

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

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

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

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

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

FOREWORD

The intent of the original language related to rotating the baseline model four times was to provide an incentive for good orientation of a building's facades with large window areas. Along with this was the concept that rotating a building is generally simple to do in most simulation programs by simply changing the overall orientation of the building and rerunning the simulation. The existing language has been interpreted by some people to mean that all the rules of creating a baseline are repeated for each rotation, essentially exercising the Appendix G rules four times but that creates additional work and may be counter to the original intent of rewarding good orientation. Most modelers follow this original intent already and now more clearly reflected in the language being changed. Of four software program vendors that were contacted that provide some automation for Appendix G, three of them were supportive of the proposed clarification. Similar changes were made in Section 12 and Appendix C. In addition, a change to how the shading should be performed to provide incentives for buildings intending to shade themselves has been added.

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

Addendum ce to 90.1-2022

Revise Table 12.5.1, Part 5 Building Envelope, Budget Column as follows:

d. No shading projections are to be modeled; fenestration shall be assumed to be flush with the wall or roof. If the fenestration area for new buildings or additions exceeds the maximum allowed by Section 5.5.4.2, the area shall be reduced proportionally along each exposure until the limit set in Section 5.5.4.2 is met. If the vertical fenestration area facing west or east of the proposed design exceeds the area limit set in Section 5.5.4.5 then the energy cost budget shall be ~~generated by simulating the budget building design with its actual orientation and again after rotating the entire budget building design 90, 180, and 270 degrees and then averaging the results.~~ calculated by averaging the results from simulating the *budget building design* with its actual *orientation* and again after rotating the entire building model 90, 180, and 270 degrees. Changes to the building azimuth, or azimuths of all surfaces, shall be made for the building model for the 90, 180, or 270 degree simulations. Changes to the equipment capacities, air-flow rates, and water-flow rates shall be made for the building model for the 90, 180, or 270 degree simulations for those

modeling inputs sized by the simulation software. No other changes to the building model for the 90, 180, or 270 degree simulations shall be made. All budget rules, including HVAC system type and equipment efficiencies, shall be determined based solely on the *building's* actual orientation. The *building* shall be modeled so that it does not shade itself. Fenestration U-factor shall be equal to the criteria from Tables 5.5-0 through 5.5-8 for the appropriate climate, and the SHGC shall be equal to the criteria from Tables 5.5-0 through 5.5-8 for the appropriate climate. For portions of those tables where there are no SHGC requirements, the SHGC shall be equal to that determined in accordance with Section C3.6(d). The VT shall be equal to that determined in accordance with Section C3.6(d). The fenestration model for building envelope alterations shall reflect the limitations on area, U-factor, and SHGC as described in Section 5.1.4.

Revise Section C3.6 as follows:

C3.6(d)(2) Where the fenestration area facing west or east of the proposed design exceeds the area limit set in Section 5.5.4.5, the baseline building performance shall be generated by simulating the building with its actual orientation and again after rotating the entire building 90, 180, and 270 degrees and averaging the results of the four simulations. The *base envelope performance factor* shall be calculated by averaging the results from simulating the *proposed design* with its actual *orientation* and again after rotating the entire building model 90, 180, and 270 degrees. Changes to the building azimuth, or azimuths of all surfaces, shall be made for the building model for the 90, 180, or 270 degree simulations. Changes to the equipment capacities, air-flow rates, and water-flow rates shall be made for the building model for the 90, 180, or 270 degree simulations for those modeling inputs sized by the simulation software. No other changes to the building model for the 90, 180, or 270 degree simulations shall be made. All rules for determining the *base envelope performance factor* shall be determined based solely on the *building's* actual orientation.

Revise Table G3.1, Part 5 Building Envelope, Baseline Column as follows:

a. Orientation. The *baseline building performance* shall be ~~generated by simulating the *building* with its actual *orientation* and again after rotating the entire *building* 90, 180, and 270 degrees, then averaging the results.~~ calculated by averaging the results from simulating the *baseline building design* with its actual *orientation* and again after rotating the entire *building* model 90, 180, and 270 degrees. Changes to the building azimuth, or azimuths of all surfaces, shall be made for the building model for the 90, 180, or 270 degree simulations. Changes to the equipment capacities, air-flow rates, and water-flow rates shall be made for the building model for the 90, 180, or 270 degree simulations for those modeling inputs sized by the simulation software. No other changes to the building model for the 90, 180, or 270 degree simulations shall be made. All baseline rules, including HVAC system type and equipment efficiencies, shall be determined based solely on the *building's* actual orientation. The *building* shall be modeled so that it does not shade itself nor be shaded by any adjacent buildings, site topography, or local shading devices.
Exceptions:
1. If it can be demonstrated to the satisfaction of the *rating authority* that the *building orientation* is dictated by site considerations.
2. *Buildings* where the *vertical fenestration area* on each *orientation* varies by less than 5%.

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

Public Review Draft

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

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

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

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

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

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

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

FOREWORD

Appendix G may be used to quantify performance that exceeds the requirements of this standard. Previous versions of the standard (2013 and earlier) provided guidance as to calculating the percentage improvement against this standard, but this guidance was removed when the stable baseline approach was introduced in 2016. Several third-party requirements still call for minimum percentage improvements above minimum performance. Feedback from users indicates that the guidance would be helpful and reduce confusion.

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

Addendum cg to 90.1-2022

Revise Appendix G, Section G1.2 Performance Rating Calculation, as follows:

G1.2.3 Calculation of Percentage Improvement. Where quantifying performance that exceeds the requirements of Standard 90.1, the percentage improvement of the *proposed design* compared to the current requirements of the standard shall be calculated as follows:

$$\text{Percentage improvement} = 100 \times (PCI_t - PCI) / PCI_t$$

If addendum BI were to be published, revise Appendix G, Section G1.2 Performance Rating Calculation, as follows:

G1.2.3 Calculation of Percentage Improvement. Where quantifying performance that exceeds the requirements of Standard 90.1, the percentage improvement of the *proposed design* compared to the current requirements of the standard shall be calculated as follows:

$$\text{Percentage improvement} = 100 \times (PEI_{site,t} - PEI_{site}) / PEI_{site,t}$$

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

Public Review Draft

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

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

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

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

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

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

FOREWORD

This addendum modifies the language of 9.1.4 to align with current technology in the lighting industry and the prevalence of LED light sources and drivers. The addendum modifies how the wattage of lighting equipment is determined in three of the sub-paragraphs. Additionally, an exception that prohibited field changeable ballast factors was deleted and replaced with new language addressing factory-set or field-adjustable wattage. This addendum does not change the stringency of the standard or the cost effectiveness.

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

Addendum ck to 90.1-2022

9.1.4 Interior and Exterior Luminaire Wattage. The wattage of lighting *equipment*, when used to calculate either *installed interior lighting power* or *installed exterior lighting power*, shall be determined in accordance with the following criteria:

a. For ~~The wattage of~~ lighting *equipment* ~~connected to line voltage~~ with replaceable lamps, the wattage shall be the ~~*manufacturers'*~~ *labeled* maximum wattage of the specified and installed lamps.

b. ~~The wattage of line voltage lighting *equipment* with remote *ballasts*/*drivers* or similar devices shall be the total input wattage of all line voltage components in the *system*.~~ For lighting *equipment* with integral *ballasts*/*drivers*, remote *ballasts*/*drivers*, or similar devices, with
   1. factory-set wattage for lumen output settings, the wattage shall be the labeled wattage of the *luminaire*.
   2. field-adjustable wattage for lumen output settings, the wattage shall be the maximum field-adjustable wattage of the *luminaire*.

   ~~**Exception to 9.1.4(b):** Lighting power calculations for *ballasts* with adjustable *ballast* factors shall be based on the *ballast* factor that will be used in the *space*, provided that the *ballast* factor is not user field-changeable.~~

c. The wattage of ~~line voltage~~ lighting track~~, and~~ plug-in busway, and other flexible systems designed to allow the addition and/or relocation of *luminaires* ~~lighting *equipment*~~ without altering the wiring of the *system* shall be ~~the lesser of~~
   1. the specified wattage of the *luminaires* ~~lighting *equipment*~~ included in the *system*, but not less than ~~with a minimum of~~ 10 W/lin ft of the track/busway, or
   2. the labeled wattage limit of the ~~permanent~~ current-limiting device~~s on the *system*~~, remote *driver*, or transformer supplying the *system*.

~~d. The wattage of low-voltage lighting track, cable conductor, rail conductor, and other flexible *lighting systems* that allow the addition and/or relocation of lighting *equipment* without altering the wiring of the *system* shall be the specified wattage of the *ballast/driver* or *transformer* supplying the *system*.~~

~~e.~~ d. The wattage of a DC low-voltage *lighting system* that employs flexible cabling for plug-in connection of the lighting *equipment* and a remote power supply shall be *labeled* maximum wattage of the *system* power supply. For *systems* that also provide power to *equipment* other than lighting, the wattage shall be *labeled* maximum wattage of the *system* power supply reduced by the wattage of the non-lighting *equipment* connected to the system.

~~f.~~ e. The wattage of a retrofitted *luminaire* shall be the *manufacturer's labeled* input wattage ~~power~~ of the new *light source* plus *driver.*

~~g.~~ f. The wattage of all other miscellaneous lighting *equipment* shall be the specified wattage of the lighting *equipment*.

Package #3
Draft for Public Review

February 2025

A17.1-20XX/B44-XX, Safety Code for Elevators and Escalators
(Proposed Revisions of ASME A17.1-2022/CSA B44:22)

This public review draft (Package #3) contains the following revisions:

Record #	Subject
23-779	A17.1/B44; 2.27.3.3.9; Disposition of Specific Door Fault when on Phase II Operation
23-2018	A17.1/B44, Car Top Railings on Existing Elevators
24-191	A17.1/B44, Requirement 4.2.12, Safety Nut and Data Tag

Record 23-779:

2.27.3.3 Phase II Emergency In-Car Operation.

…

2.27.3.3.9 The condition specified in ~~R~~requirement 2.26.5.1(b)(2) shall not ~~apply~~ remove the elevator from service or render inoperative any door close button required under 2.27.3.3.7 ~~when~~ while the elevator is on Phase II Emergency In-Car Operation. When the elevator is removed from Phase II Emergency In-Car Operation in compliance with 2.27.3.3.5 the elevator shall respond to this condition by remaining at the recall level with the doors open.

Rationale: To require the control system to retain a memory of the fault until such time that the elevator is removed from Phase II Emergency In-Car Operation. This will place the elevator at the recall level with doors open and will prevent the elevator from further automatic operation. Include Record 17-2250 for information. The editorial correction to the proposal to correct existing reference to requirement 2.26.5.1(b)(2).

Record 23-2018:

8.6.1.1.3 It is not the intent of Section 8.6 to require changes to the equipment to meet the design, equipment nameplate(s), or performance standard other than those specified in 8.6.1.1.2, unless specifically stated in Section 8.6 (see 8.6.3.2, 8.6.4.24, 8.6.4.25, 8.6.5.8, 8.6.5.18, 8.6.5.20, 8.6.8.3, and 8.6.8.4.3.

8.6.4.25 Standard Railing on Car Enclosure Top. When required by 2.14.1.7.1, automatic passenger and freight elevators shall have a standard railing complying with 8.7.2.14.5.

8.6.5.20 Standard Railing on Car Enclosure Top. When required by 2.14.1.7.1, automatic passenger and freight elevators shall have a standard railing complying with 8.7.2.14.5.

Rationale: *Top of car rail requirement 2.14.1.7.1 has been in the ASME A17.1/CSA B44 code since 2000. However, there are potentially thousands of existing elevators that lack this safety function to protect elevator personnel. Falls are one of the leading causes of serious injury and death for elevator workers. The safety benefits far outweigh the costs.*

Record 24-191:

4.2.12 ~~Reserved for Future Use~~ Safety Nut and Data Tag

4.2.12.1 A safety nut is required on all screw machines that utilize a driving nut made of a material other than metal and shall be permitted to be provided on all screw machines. The safety nut shall be made of metal and designed to withstand the impact without damage if the driving nut should fail.

4.2.12.2 A data tag, conforming to 8.13.3 shall be securely attached to each screw machine equipped with a safety nut bearing the following data:

(a) date of installation of driving and safety nuts

(b) spacing between driving and safety nuts

4.2.12.3 The safety nut spacing data tag shall comply with 8.13.3, except that the height of the letters and figures shall be not less than 1.6 mm (0.0625 in.).

Rationale: Restore requirement 4.2.12.1, 4.2.12.2 and 4.2.12.3 per the 2016 version of A17.1/B44 but with the modifications proposed in record 10-967. The rational for the Record 10-967 changes are as follows:

This requirement should reference 8.13.3 and therefore would have the new requirements applied.

Delete "metal" for consistency as this is a component of 8.13.3.

The editing is for clarity. The reference back to 2.16.3.3 is a reference to the proposed 8.13.1 and therefore unnecessary and changing it here will not allow it to be orphaned should 2.16.3.3 ever change in the future. The sentence then needed restructuring.

D1.5M/D1.5, *Bridge Welding Code* D1.5-E9-DS1 Language	D1.5-E9-DS3 Language Content highlighted in green identifies revisions based on subsequent actions taken after the D1.5-E9-DS1-BT ballot
~~**4.6 PJP Groove Welds**~~ ~~Joints containing PJP groove welds, made from one side only, shall be restrained to prevent rotation.~~ [language moved to 4.13]	**4.6 PJP Groove Welds** Joints containing PJP groove welds, made from one side only, shall be restrained to prevent rotation.
4.13 PJP Groove Welds (see Figure 4.5) Joints containing PJP groove welds made from one side only shall be restrained to prevent rotation.	**4.1213 PJP Groove Welds (see Figure 4.5)** Joints containing PJP groove welds made from one side only shall be restrained to prevent rotation.
4.13.1 Definition. Except as provided in Figure 4.4, groove welds without steel backing, welded from one side, and groove welds welded from both sides but without backgouging, are considered PJP groove welds unless qualified as CJPs by 7.7.5. ~~**4.13.1.1** All PJP groove welds made by GMAW-S shall be qualified by the WPS qualification tests described in 7.12.4.~~	**4.13.1.1** All PJP groove welds made by GMAW-S shall be qualified by the WPS qualification tests described in 7.12.4.
4.14 Prohibited Types of Joints and Welds The joints and welds described in the following paragraphs shall be prohibited: ~~(1) All PJP groove welds in butt joints except those conforming to 4.17.3~~ (1~~2~~) CJP groove welds, in all members carrying calculated stress or in secondary members subject to tension or the reversal of stress, made from one side only without any backing, or with backing other than steel, that has not been qualified in conformance with 7.7.5 and 7.12.54; (2~~3~~) Intermittent groove welds; (34) Intermittent fillet welds, except as approved by the Engineer; (4~~5~~) Flat position bevel-groove and J-groove welds in butt joints where V-groove and U-groove welds are practicable; (5~~6~~) Plug and slot welds in members subject to tension and reversal of stress.	**4.~~13~~14 Prohibited Types of Joints and Welds** The joints and welds described in the following paragraphs shall be prohibited: (1) All PJP groove welds in butt joints except those conforming to 4.17.3 (2~~1~~) CJP groove welds, in all members carrying calculated stress or in secondary members subject to tension or the reversal of stress, made from one side only without any backing, or with backing other than steel, that has not been qualified in conformance with 7.7.5 and 7.12.54; (3~~2~~) Intermittent groove welds; (4~~3~~) Intermittent fillet welds, except as approved by the Engineer; (54) Flat position bevel-groove and J-groove welds in butt joints where V-groove and U-groove welds are practicable; (6~~5~~) Plug and slot welds in members subject to tension and reversal of stress.
~~**4.17.2 Connections or Splices—Tension and Compression Members.** Connections or splices of tension or compression members made by groove welds shall have CJP groove welds. Connections or splices made with fillet welds, except as noted in 4.17.3, shall be designed for an average of the calculated stress and the strength of the member, but not less than 75% of the strength of the member, or if there is repeated application of load, the maximum stress or stress range in such connection or splice shall not exceed the fatigue stress allowed by the applicable AASHTO specification.~~	**4.17.2 Connections or Splices—Tension and Compression Members.** Connections or splices of tension or compression members made by groove welds shall have CJP groove welds. Connections or splices made with fillet welds, except as noted in 4.17.3, shall be designed for an average of the calculated stress and the strength of the member, but not less than 75% of the strength of the member, or if there is repeated application of load, the maximum stress or stress range in such connection or splice shall not exceed the fatigue design stress range specified~~stress allowed~~ by the applicable AASHTO Design Specifications~~specification~~.
4.17.2~~3~~ Connections ~~or Splices~~ in Compression ~~Members with Finished-to-Bear Joints~~. For connections~~If members~~ subject only to design compression, either~~are spliced and~~ a complete finished-	**4.17~~16~~.~~23~~ Connections or Splices in Compression Members with Finished-to-Bear Joints.** ~~For connections~~If members subject only to ~~design~~ compression, ~~either~~are spliced and a ~~complete~~ finished-to-bear

to-bear fit, a combination of PJP groove weld and finish-to-bear fit, or a CJP groove weld shall be~~is~~ provided, in accordance with the contract documents~~the welding shall be arranged to hold all parts in alignment,~~ For the combination of PJP groove~~and~~ welds and finish-to-bear contact areas, each shall be proportioned to ~~each~~ carry 50% of the design load~~computed stress in the member~~. Where connections~~such members~~ are finished to achieve direct bearing against flanges or in bearing assemblies~~on base plates~~, contact tolerances shall satisfy the requirements for components bearing against a steel base or seat given in the AASHTO LRFD *Bridge Fabrication Specifications*~~second paragraph of 5.5.9 and there shall be sufficient welding to hold all parts securely in place~~. This subclause shall not apply to connections where the design does not require welding.	fit~~, a combination of PJP groove weld and finish-to-bear fit, or a CJP groove weld shall be~~ is provided, ~~in accordance with the contract documents~~the welding shall be arranged to hold all parts in alignment, ~~For the combination of PJP groove~~and welds and ~~finish-to-bear~~ contact areas~~, each~~ shall be proportioned to each carry 50% of the ~~design load~~computed stress in the member. Where ~~connections~~such members are finished to achieve direct bearing ~~against flanges or in bearing assemblies~~on base plates, contact tolerances shall satisfy the ~~requirements for components bearing against a steel base or seat given in the AASHTO LRFD Bridge Fabrication Specifications~~second paragraph of 5.5.9 and there shall be sufficient welding to hold all parts securely in place. ~~This subclause shall not apply to connections where the design does not require welding.~~
7.7.8~~6~~ Aging. When specifically permitted by the filler metal specification applicable to weld metal being tested, fully welded qualification test specimens may be aged at 95 °C to 105 °C [200 °F to 220 °F] for 48 ± 2 hours.~~No test plate or specimen produced for WPS qualification shall be heat treated, stress relieved, aged at temperatures above room temperature, or modified in any way after welding except by approved machining and testing procedures, unless the treatment is stated as a requirement of the WPS and is a requirement for similar welds in the structure.~~	**7.7.8~~6~~ Aging.** ~~When specifically permitted by the filler metal specification applicable to weld metal being tested, fully welded qualification test specimens may be aged at 95 °C to 105 °C [200 °F to 220 °F] for 48 ± 2 hours.~~No test plate or specimen produced for WPS qualification shall be heat treated, stress relieved, aged at temperatures above room temperature, or modified in any way after welding except by approved machining and testing procedures, unless the treatment is stated as a requirement of the WPS and is a requirement for similar welds in the structure.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

.
.
.

2 Definitions

.
.
.

2. X bulk: The term used for shipments transported in a container having a volume of > 450 L / 119 GA and applies to containers holding solid, liquid, and gaseous products. Such containers can be multi-modal containers, tank trucks, or tank cars appropriate to the product's physical characteristics.

.
.
.

3.9.3 Security requirements for bulk shipments and large reusable containers (totes)

Drinking water treatment chemicals shipped in bulk[11] shall be secured during storage and distribution by employing one or more of the following security measures (see Sections 3.9.3.1 through 3.9.3.3). These requirements are applicable to a single load delivered to one or to multiple locations.[12] This requirement applies to railcar chemical deliveries that are direct to drinking water utilities, or to other end users involved in the addition of the delivered chemical to drinking water, and to truck deliveries whether to a single destination or by milk run deliveries.

.
.
.

Rationale: Adds "bulk" to the definitions section and updates the bulk definition footnote from a volume of >1000L to >450L to maintain consistency with other US governmental regulatory agencies' definitions of the term.

[11] The term "bulk" is used for shipments being transported in a container having a volume of > ~~1,000~~ 450 L / 119 GA and applies to containers holding solid, liquid, and gaseous products. Such containers can be multi-modal containers, tank trucks, or tank cars appropriate to the physical characteristics of the product being transported.

[12] Multiple destination shipments are referred to as "milk run deliveries."

4.2.1 METHOD A: Full-Scale, Limited Sample Evaluation

4.2.2 METHOD B: Evaluation Using Continuous Test Process- Data – typically for manufactured wood products

4.3.1. Where section 4.2.1 is used, the rated load shall be found by the following equation using the appropriate safety factor (SF):

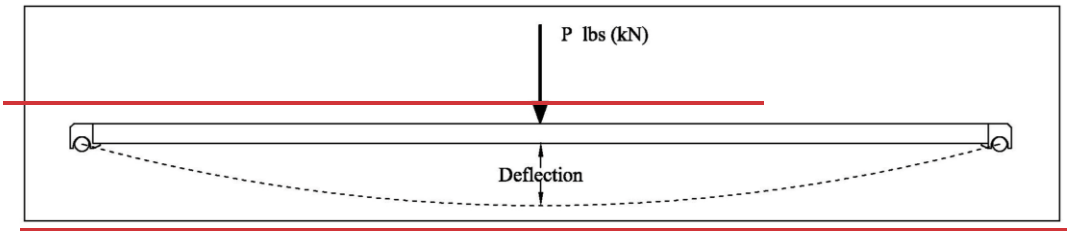
Rated Load = Avg Ultimate Test Load ~~* Material Adjustment~~ / SF

Where: Avg Ultimate Test Load is the value determined by section 4.2.1.3
~~Material Adjustment = $F_{y,min}$ / $F_{y,tested}$~~ SF = appropriate safety factor

5.2 Scaffold Planks and Decks: Person Load Deflection Test for Rated Load (Length/60 in the US and Length/80 in Canada)

5.2.1 For one person planks and decks, rated load~~s~~ shall be placed at the center of the plank or deck in an area 4 inch (101 mm) wide and across the width of the plank or deck as shown in Figure 1.

5.3.5.3 An approximation of uniform load rating may be determined by engineering principles from a point load test. See Figure 5.



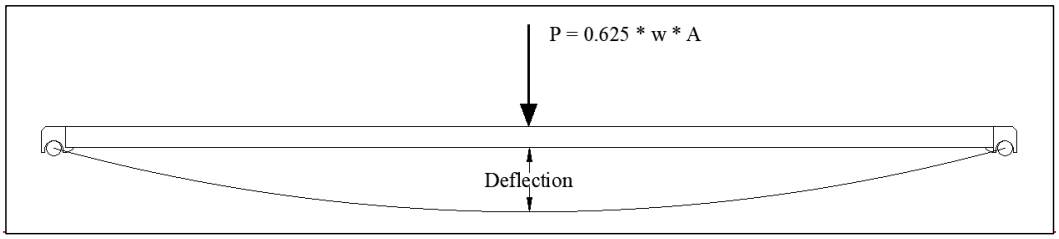


Figure 5

Formatted: Strikethrough

Formatted: Strikethrough

BSR/UL 268, Standard for Smoke Detectors for Fire Alarm Systems

1. Battery Tests – Lithium Metal Type

3. Metric Conversion Correction

PROPOSAL

31.4 Battery powered units

31.4.2A For detectors that use batteries other than carbon-zinc or alkaline and whose design internally latches the low battery trouble signal, the detector is permitted to be energized ~~from~~ by a single cell or multi-cell battery pack that has been depleted to the trouble signal level identified in Section 50.2.1A. It is not prohibited for the battery voltage to rise back above the trouble threshold after the load is removed.

Note: Some detectors use multiple battery cells connected either in series or parallel with or without additional external components such as diodes forming a multi-cell battery pack. The individual cells may or may not be user replaceable. The "low battery" voltage of interest is the output of the multi-cell battery pack, not any individual cell.

50.2 Battery trouble voltage determination

50.2.1A In lieu of the requirements of 50.2.1, for batteries other than carbon-zinc or alkaline, a decrease in terminal voltage of a battery employed as the primary source of power to a detector shall not impair operation for an alarm signal before a trouble signal is obtained. ~~In addition, the voltage at which a trouble signal is obtained shall be greater than the battery voltage measured over a 1 year period in the room ambient condition of the Section 78, Battery Tests.~~

50.2.1B In lieu of ~~Sections~~ 50.2.2 to 50.2.4, it is permitted for non-carbon-zinc and non-alkaline batteries that the manufacturer identify the low-voltage level that results in a battery trouble signal. This low-voltage level is the output of either a single cell or multi-cell battery pack.

78 Battery Tests

78.1 When a battery is employed as the main source of power for a smoke detector, it shall provide power to the unit under intended ambient conditions for at least 1 year in the standby condition (hourly supervisory transmission), including weekly alarm testing, and then operate the detector for a minimum of 4 min of alarm followed by 7 days of trouble signal. See Battery-powered units, 31.4. ~~Manufacturers shall provide capacity calculations that show the summation of the maximum current draws under the detector's standby and alarm states versus the rated capacity of the battery or battery pack.~~ The manufacturer shall provide the following documentation which details the power consumption and battery capacity for the detector:

a) Maximum current draws under the detector's normal standby condition and alarm condition under the intended ambient conditions; and

b) Rated normal and actual capacities of the battery or battery pack.

---

3. Metric Conversion Correction

PROPOSAL

11.5 Ventilating openings

11.5.2 Perforated sheet metal and sheet metal employed for expanded metal mesh shall be not less than 1.07 mm (0.042 in) in average thickness, ~~1.2~~ 1.17 mm (~~0.047~~ 0.046 in) when zinc coated.

47 Cooking Nuisance Smoke Test (Excluding Projected-Beam Detectors)

47.1 Acceptance criteria

47.1.1 Four detectors (excluding projected beam detectors) shall not produce an alarm signal or other notification signal prior to:

a) An obscuration level of 4.84 % per meter (1.50 % per foot) [0.022 OD/m (0.0066 OD/ft~~foot~~)] based on the profile illustrated in Figure 47.1;

BSR/UL 1008S, Standard for Safety for Solid-State Transfer Switches

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

PROPOSAL

32.12 Temperatures are to be measured by thermocouples consisting of wires no larger than 24 AWG (0.21 mm^2) and no smaller than 30 AWG (0.05 mm^2). When thermocouples are used in determining temperatures in electrical equipment, thermocouples consisting of 30 AWG iron and constantan wire and a potentiometer–type instrument are to be used whenever referee temperature measurements by thermocouples are necessary. The thermocouple wire is to conform with the requirements listed in the Tolerances on Initial Values of EMF versus Temperature tables in the Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ASTM E230/E230M ~~Initial Calibration Tolerances for Thermocouples table in Temperature-Measurement Thermocouples, ANSI/ISA MC96.1~~. The thermocouples and related instruments are to be accurate and calibrated in accordance with good laboratory practice.

BSR/UL 1863, Standard for Safety for Communications-Circuit Accessories

1. Correction to Scope, 1.3(c)

PROPOSAL

1.3 These requirements do not cover telephone equipment such as telephone answering devices, residential telephone instruments, telephone dialers, cordless phones, key systems, and private-branch exchange equipment that is covered by the Standard for Information Technology Equipment – Safety – Part I: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. Also, these requirements do not cover:

a) Telephone protectors that are covered by the Standard for Protectors for Paired-Conductor Communications Circuits, UL 497, and

b) Secondary protectors that are covered by the Standard for Secondary Protectors for Communications Circuits, UL 497A.

c) Information Technology and Communications Equipment Cabinets, Enclosure and Rack Systems are investigated to the Standard for Safety for ~~Information Technology Equipment – Safety – Part 1, UL 60950-1 or~~ Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems, UL 2416~~ – Part 1: Safety Requirements, UL 62368-1~~.

2. Add an out-of-scope statement for Information and Communication Technology (ICT) cable assemblies, Standard for Safety UL 9990.

PROPOSAL

1.7 These requirements do not cover cable assemblies intended for powering or charging Audio/Video, information and communication equipment using a USB-C interface.

3. Installation Instructions – Clarifying instruction content for devices configured for field installation.

PROPOSAL

46.3 Accessories designed to be configured and installed in the field shall be provided with Installation Instructions. The instructions shall detail the steps necessary to install the accessory.

4. Use of QR Code as an alternative for printed Installation Instructions for commercial installations.

PROPOSAL

46.4 For products intended to be installed by commercial/professional installers, a QR Code or statement may be provided on the product (or packaging for small products) that directs the service person to the manufacturers' website for the detailed instructions.