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# CONTENTS



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# Project Initiation Notification System (PINS)

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

## APA (APA - The Engineered Wood Association)

Borjen Yeh; borjen.yeh@apawood.org | 7011 South 19th Street | Tacoma, WA 98466 www.apawood.org

***Revision***

BSR/APA PRG 320-202x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2019)
Stakeholders: Cross-laminated timber manufacturers, distributors, designers, users, building code regulators, and government agencies

Project Need: Revise the existing standard to include hardwood lumber for use in CLT manufacturing.

Interest Categories: Manufacturer, Supplier, User, and General Interest

Scope: This standard provides requirements and test methods for qualification and quality assurance for performance-rated cross-laminated timber (CLT), which is manufactured from solid-sawn lumber or structural composite lumber (SCL) intended for use in construction applications.

## ECIA (Electronic Components Industry Association)

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

***Reaffirmation***

BSR/EIA 364-13E-2011 (R202x), Mating and Unmating Force Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-13E-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a method to determine the forces required to mate and unmate electrical connectors or protective caps with connectors, connectors/sockets with gages or devices.

## ECIA (Electronic Components Industry Association)

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*Reaffirmation*

BSR/EIA 364-17C-2011 (R202x), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a test method to determine the ability of an electrical connector and sockets to withstand elevated temperatures with or without electrical loading.

## ECIA (Electronic Components Industry Association)

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*Reaffirmation*

BSR/EIA 364-25E-2017 (R202x), Probe Damage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-25E-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a test method to be followed for probe damage testing; intended primarily for round socket contacts in electrical connectors and possibly applicable to other type contacts as well. This test is to simulate a form of field abuse of contacts during test by inserting probes into socket contacts.

## ECIA (Electronic Components Industry Association)

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*Reaffirmation*

BSR/EIA 364-27C-2011 (R202x), Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-27C-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure establishes a test method to assess the ability of electrical components to withstand specified severities of mechanical shock.

## ECIA (Electronic Components Industry Association)

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*Reaffirmation*

BSR/EIA 364-28F-2011 (R202x), Vibration Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-28F-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: The standard test procedure details a method to assess the ability of electrical connector components to withstand specified severities of vibration.

## ECIA (Electronic Components Industry Association)

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***Reaffirmation***

BSR/EIA 364-56E-2011 (R202x), Resistance to Soldering Heat Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-56E-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a test method for determining if connectors or sockets can withstand exposure to soldering conditions either by soldering iron, solder dip, solder wave, or reflow soldering techniques.

## ECIA (Electronic Components Industry Association)

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***Reaffirmation***

BSR/EIA 364-1005-2011 (R202x), Environmental Test Methodology for Determining the Susceptibility of Contacts to Fretting Corrosion (reaffirmation of ANSI/EIA 364-1005-2011 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard describes recommended test sequences to determine the susceptibility of contacts to fretting corrosion that is a major and significant failure mechanism that can be caused by vibration and thermal cycling.

## ECIA (Electronic Components Industry Association)

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***Revision***

BSR/EIA 469-E-202x, Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision of ANSI/EIA 469-E-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

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

## IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

***Revision***

BSR/IEEE 810-202x, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (revision of ANSI/IEEE 810-2015)
Stakeholders: The stakeholders for this project are owners, erectors, and suppliers of generators and generator/motors for hydroelectric applications.

Project Need: A revision is needed to maintain and update the standard to reflect industry practice and advances so that the standard continues to be accurate and relevant to its stakeholders.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This standard applies to the dimensions for all types of shaft couplings and shaft runout tolerances for hydraulic turbines and generators. Shafts and couplings included in this standard are used for both horizontal and vertical connections between generators and turbines in hydroelectric installations.

## IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

***New Standard***

BSR/IEEE 1205-202x, Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Power Generating Stations and Other Nuclear Facilities (new standard)
Stakeholders: Nuclear Power Plant and Other Nuclear Facilities Owners, architect-engineers/consultants, manufacturers, and regulators

Project Need: IEEE Std 1205 was originally written to support license renewal efforts. In subsequent years, commercial nuclear power plant owners have been required to address aging of non-safety related equipment in response to 10 CFR 50.65 and to develop aging management programs addressing structural, mechanical, and electrical structures, systems, and components in response to 10 CFR Part 54. The purpose of this revision of IEEE Std 1205 is to incorporate the following changes to make the guide more useful and applicable to electrical equipment (including instrumentation and control equipment) utilized in nuclear facilities: Further clarify non-power generating nuclear facilities applications of the guidance; Clarify application of the guidance to non-Class 1E electrical equipment; Bring the standard up to date with current approaches used in the industry for developing and implementing an aging management program; Update the bibliography; Address aging management difference between license renewal (current focus) and subsequent license renewal; Evaluate how to best address application of risk informed techniques in this standard (cross-reference IEEE 1819 or do something different to be determined by WG members); Update the annex on condition monitoring techniques; and Incorporate any other user feedback received that would help the guide to be more useful to the industry.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This document provides guidelines for assessing, monitoring, and mitigating aging effects on electrical equipment (including instrumentation and control equipment) used in nuclear power generating stations and other nuclear facilities.

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE 1349-202x/Cor1-202x, Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations - Corrigendum 1 (new standard)
Stakeholders: Petrochemical industry

Project Need: This Cor 1 is needed to correct the technical error about the requirements on the space heater test method stated in Section 8.3.2. For the second paragraph of 8.3.2, delete the last sentence and the NOTE that follows it in their entirety to harmonize with two Canadian certifications, LTR Number E-013-2005 and CSA Technical Information Letter No. E-22. Text to be deleted: “On motors for use in Canada, operate the heater at the nominal system voltage plus the upper tolerance, which is 4%. NOTE- For Canada, the CSA procedure for the test is the nominal system voltage, plus the allowable max tolerance. For example, if the heater was labelled 115 V or 120 V, the nominal voltage is 120 V and the upper tolerance is 4% (for Canada), so the test would be made at 124.8 V."

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: Three-phase and single-phase ac synchronous and induction electric machines in ratings 0.18 kW (1/4 hp) and larger are covered in this guide. Primary emphasis is on the use of open or nonexplosionproof or nonflameproof enclosed machines in Zone 2 and Class I, Division 2 locations as covered in National Electrical Code(R) (NEC(R)) (NFPA 70-2020) and Canadian Electrical Code(R) (CE Code(R)) (CSA C22.1-2021 Safety Standard for Electrical Installations) as applicable. Surface temperature test methods and sine wave and non-sine wave applications are covered. Precautions against excessive surface temperatures and sparking are included. To help mitigate hot surface temperatures and sparking, this document provides guidance for selecting, operating, and maintaining machines in Zone 2 and Class I, Division 2 locations. This guide does not cover ac wound rotor machines and dc electric machines. Machines installed in locations other than Zone 2 and Class I, Division 2 as covered in NFPA 70-2020 or CSA C22.1-2021 are not covered in this guide. This document is not a specification and is not intended to be used as a specification for purchasing electric machines. The voltage breaks in this document are 1000 V and less, and over 1000 V.

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE 1402-202x, Recommended Practice for Physical Security of Electric Power Substations (new standard)
Stakeholders: Electric power utilities, the public (receive reliable electricity), and the vendors that provide physical protection equipment

Project Need: This standard needs to be updated to reflect the latest changes in physical protection technologies and procedures. This standard provides the minimum recommendations as well as a starting point for a Substation Design Engineer to address Physical Protection of Electrical Power Substations. Also, this standard provides a platform/baseline for vendors and the utilities to build and purchase Physical Protection Equipment for the Electric Power Substations.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This document provides recommendations for the physical security of electric power substations. It addresses a number of threats, including unauthorized access to substation facilities, theft of material, and vandalism. It describes some options for and makes recommendations for positive access control, monitoring of facilities, and delay/deter features that could be employed to mitigate these threats. This recommended Practice also discusses options to mitigate different levels of physical security risk for electric power substations. The document does not establish recommendations based on voltage levels, size, or any depiction of criticality of the substation. This recommended practice guides users making decisions based on threat assessment and criticality assignment by the substation owner. Large-scale overt attacks against the substation for the purpose of destroying its capability to operate, such as explosives, projectiles, vehicles, etc., are beyond the scope of this guide.

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE 2030.103-202x, Standard for Universal Utility Data Exchange (UUDEX) (new standard)
Stakeholders: The stakeholders for this project are electric utilities, electric control system vendors, software suppliers, integrators, regulatory agencies, and cyber security researchers.

Project Need: The need for this project is to replace existing data exchange protocols (e.g., Inter-control Center Communications Protocol [ICCP] also known as Telecontrol Application Service Element no. 2 [TASE.2]) because the older technologies are inflexible and based on 30-year-old assumptions about data formats, communication infrastructures, and protocols. Security was added to these existing protocols as an extension but has not been widely implemented (in the U.S.). The new data exchange protocol aims to satisfy present-day data exchange needs with a modern, flexible, self-describing, model-based, resilient, secure communications functionality that considers security as a basic design goal.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: The Universal Utility Data Exchange (UUDEX) standard defines a flexible and secure methodology and protocol for the exchange of information between electric utility control centers and with other non-utility organizations that communicate with control centers such as public safety answer points and government agencies. The standard includes both the workflow and recommended information exchange descriptions to support interoperability.

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE C37.24-202x, Guide for Evaluating the Effect of Solar Radiation on Outdoor Switchgear (new standard)
Stakeholders: The stakeholders for this project are manufacturers of outdoor switchgear, users of such equipment (including facilities for manufacturing, petrochemical production, refineries, utility generation or distribution, and other facilities that consume large quantities of electricity), and general interest organizations (such as consulting engineers, maintenance organizations).

Project Need: This guide is important for the application of outdoor switchgear for users such as utilities and industrial facilities. The current (2017) version of this document is not set to expire until 2027, however the switchgear assemblies subcommittee requested this work to begin as part of an effort to reduce the number of documents that expire at the same time.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: The guide provides data in current-temperature and tabulation form for use in evaluating the effect of solar radiation on outdoor switchgear. The guide applies to switchgear as defined by IEEE Std C37.20.1™, IEEE Std C37.20.2™, IEEE Std C37.20.3™, and IEEE Std C37.20.9™; control switchboards as defined by IEEE Std C37.21™; metal-enclosed bus as defined by IEEE Std C37.23™; medium-voltage ac controllers as defined by UL 347; motor control centers as defined by UL 845; switchboards as defined by UL 891; and medium-voltage air-insulated circuit breakers for outdoor application defined by IEEE Std C37.04™.

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE C37.86-202x, Guide for Internet of Things (IoT) Switchgear Terminals (52 kV and below) (new standard)
Stakeholders: Switchgear equipment system integrators, manufacturers, consultants, and users.

Project Need: IoT switchgear terminals are being developed without input and consideration of system integrators, manufacturers, and users to provide guidance associated with: (a) environmental conditions, (b) performance parameters, (c) information exchange interfaces, (d) data acquisition and tolerance bands, and (e) cybersecurity.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This guide covers the following considerations for functional specifications for “Internet of Things” (IoT) switchgear terminal (as a device) used in switchgear with rated voltage up to 52kV: (a) environmental conditions; (b) performance parameters; (c) information exchange interfaces; (d) data acquisition and tolerance bands; and (e) cybersecurity. It can be used as a reference during the design, manufacturing, and operation of switchgear.

## IEEE (Institute of Electrical and Electronics Engineers)

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***Revision***

BSR/IEEE C37.119-202x, Guide for Power System Circuit Breaker Failure Protection (revision of ANSI/IEEE C37.119-2016)

Stakeholders: Power System Protection Engineers and Equipment Manufacturers

Project Need: Revision of this standard is needed to include additional types of applications and to update and provide additional information pertaining to new technologies.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This guide describes methods to protect a power system and its components from consequences resulting from a circuit breaker failure to operate (open or close) when called upon by protection or control systems. The guide explains how to detect a breaker that has failed to operate and the actions to address the failure.

## IEEE (Institute of Electrical and Electronics Engineers)

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***Revision***

BSR/IEEE C57.13-202x, Standard Requirements for Instrument Transformers (revision of ANSI/IEEE C57.13 -2016)

Stakeholders: Producers and Users

Project Need: The industry requires instrument transformers to step down current and voltage to revenue metering accuracy measuring levels and to relay measuring levels. This standard gives the accuracy requirements for revenue metering and relaying and the type and routine test requirements for these instrument transformers. A revision to the standard is needed so that the standard remains active past the initial 10-year window.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: To assist in the proper selection of Instrument Transformers this standard defines requirements for performance and interchangeability. Safety precautions are also addressed. This standard defines certain electrical, dimensional, and mechanical characteristics, and takes into consideration certain safety features of current and inductively coupled voltage transformers of types generally used in the measurement of electricity and the control. This standard defines the requirements for Class 1 instrument transformers. For instrument transformers of a nominal system voltage of 115 kV and above if Class 2 is required refer to IEEE Std C57.13.5 (TM).

## IEEE (Institute of Electrical and Electronics Engineers)

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*New Standard*

BSR/IEEE C57.13.10-202x, Guide for Calibration of Energized Current Transformers for 34.5 kV and Below (new standard)
Stakeholders: Manufacturers, users and inspection agencies of energized current transformers.

Project Need: With the progress of smart grid and user demand response technology, there is a need for a means to verify current transformer accuracy in distribution networks. Currently, IEEE and IEC standards for instrument transformers focus on technical requirements. The calibration method presently prescribed to check the accuracy of a current transformer requires the current transformer to be out of service. To remove this device from the power network requires an outage in the network which affects the reliability of the power grid. To calibrate the current transformer while in service requires the consideration of the environment and installation. As well, the safety of personnel performing any live-line testing must be considered in the calibration process. This guide will address and recommend a path forward for each of these concerns.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This guide provides recommendations for the test conditions, technical requirements of calibration equipment, calibration methods, and processing and recording of test results for calibration of energized current transformers on voltages up to 34.5 kV AC.

## IEEE (Institute of Electrical and Electronics Engineers)

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*Revision*

BSR/IEEE C57.130-202x, Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors (revision of ANSI/IEEE C57.130-2015)
Stakeholders: Power transformer users, power transformer manufacturers, testing labs, and consultants

Project Need: This document defines evaluation procedures and guidelines for acceptable levels of gases generated in conventional mineral-oil-filled transformers and reactors during factory temperature rise tests.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This document defines evaluation procedures and guidelines for acceptable levels of gases generated in conventional mineral oil-filled transformers and reactors during factory temperature rise tests.

## IEEE (Institute of Electrical and Electronics Engineers)

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***Revision***

BSR/IEEE C57.139-202x, Guide for the Interpretation of Gases generated in Liquid-Type Load Tap Changers (revision of ANSI/IEEE C57.139-2015)
Stakeholders: The guide will empower users to evaluate LTC DGA correctly and to define adequate measures (further testing, corrective actions etc).

Project Need: A revision is needed to (a) elaborate background information on Dissolved Gas Analysis (DGA) on LTCs, (b) revise gas ratios and limit values, (c) consider and integrate new interpretation methods, and (d) add application notes for online-DGA.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

Scope: This guide describes methods of evaluating dissolved gases in insulating liquids used with load tap changers (LTCs). General types of LTC mechanisms, breathing configurations, and electrical design are included for evaluation criteria in determining when mechanical damage, deterioration, or failure might have occurred.

## NECA (National Electrical Contractors Association)

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***New Standard***

BSR/NECA 91-202x, Recommended Practices for Maintaining Electrical Equipment (new standard)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by maintaining electrical equipment, products and systems in a manner that constitutes good workmanship. How to accomplish good workmanship in electrical construction is not included in NFPA 70B, the standard.

Interest Categories: Construction, General Interest, Producer, Government

Scope: This Recommended Practice describes quality, performance, and workmanship aspects of general maintenance procedures for operating, servicing, inspecting, testing, maintaining, calibrating, repairing, and reconditioning building electrical systems, equipment, and components and is intended to provide information on how to accomplish maintenance of electrical equipment that aligns with NFPA 70B, Standard for Electrical Equipment Maintenance. This Recommended Practice essentially includes industry-accepted practices and is intended to be used in conjunction with equipment-specific manufacturer instructions.

## NECA (National Electrical Contractors Association)

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***Revision***

BSR/NECA 130-202x, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2016)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, Producers, General Interest, Governement

Scope: This standard describes the installation and maintenance procedures for wiring devices.

## NECA (National Electrical Contractors Association)

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***Revision***

BSR/NECA 409-202x, Standard for Installing and Maintaining Dry-Type Transformers (revision of ANSI/NECA 409 -2015)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, Producer, General Interest, Government

Scope: This standard describes the installation and maintenance procedures for single- and three-phase general-purpose dry-type transformers and associated accessories rated 1000 Volts AC or less, and 0.25 kVA or more. This publication applies to indoor and outdoor, ventilated and non-ventilated, two-winding transformers used for supplying power, heating, and lighting loads for commercial, institutional, and industrial use in nonhazardous locations both indoors and outdoors. It also covers periodic routine maintenance and troubleshooting procedures for transformers, and special procedures used after adverse operating conditions such as a short-circuit, ground-fault, or immersion in water.

## NECA (National Electrical Contractors Association)

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***Revision***

BSR/NECA 416-202x, Recommended Practice for Installing Energy Storage Systems (ESS) (revision of ANSI/NECA 416-2016)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a “neat and workmanlike” manner.

Interest Categories: Construction, Producer, General Interest, Government

Scope: This Recommended Practice describes installation practices for Energy Storage Systems (ESS) such as battery systems, flywheels, ultra-capacitors, and smart chargers used for electric vehicle (EV) vehicle-to-grid (V2G) applications.

## NECA (National Electrical Contractors Association)

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***Revision***

BSR/NECA 430-202x, Standard for Installing and Maintaining Medium-Voltage Switchgear (revision of ANSI/NECA 430-2016)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, Producer, General Interest, Government

Scope: This standard describes site preparation and installation of new medium-voltage switchgear and maintenance procedures for existing medium-voltage switchgear nominally rated up to a maximum operating voltage of 38 kV AC. Medium-voltage switchgear may be classified as either metal-clad switchgear or metal-enclosed switchgear. Medium-voltage switchgear may also be arc-resistant or non-arc-resistant construction.

## NECA (National Electrical Contractors Association)

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*New Standard*

BSR/NECA 507-202x, Recommended Practices for Electrical Wiring and Equipment in Hazardous Locations (new standard)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, Producer, General Interest, Government

Scope: This recommended practice covers system design, quality, performance, and workmanship related to installing and maintaining electrical wiring and equipment in hazardous locations.

## NECA (National Electrical Contractors Association)

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

*Revision*

BSR/NECA 700-202x, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2016)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a “neat and workmanlike” manner.

Interest Categories: Construction, Producer, General Interest, Government

Scope: This standard describes the application procedures for selecting and adjusting low-voltage overcurrent protective devices to achieve selective coordination.

## NEMA (ASC C136) (National Electrical Manufacturers Association)

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

*Revision*

BSR C136.18-202X, Roadway and Area Lighting Equipment - High-Mast Side-Mounted Luminaires (revision of ANSI C136.18-2018)
Stakeholders: Outdoor Lighting manufacturers, Authorities Having Jurisdiction (AHJ), Public Utilities, municipalities

Project Need: Revise this document to limit to update wiring and ingress requirements, and update references.

Interest Categories: ANSI Producer Luminaire, ANSI Producer Other, ANSI Producer Polls, ANSI User, ANSI General Interest

Scope: This standard is intended to cover physical, operational, maintenance, and light-distribution features that permit use of high-mast luminaires in roadway applications when specified. It is not intended that compliance with this standard will permit interchangeability with existing roadway equipment without thorough engineering review and evaluation.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 22-202x, Standard for Water Tanks for Private Fire Protection (revision of ANSI/NFPA 22-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: This standard provides the minimum requirements for the design, construction, installation, and maintenance of tanks and accessory equipment that supply water for private fire protection, including the following:
(1) Gravity tanks, suction tanks, pressure tanks, and embankment-supported coated fabric suction tanks;
(2) Towers;
(3) Foundations;
(4) Pipe connections and fittings;
(5) Valve enclosures;
(6) Tank filling; and
(7) Protection against freezing.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 253-202x, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/NFPA 253-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 This fire test response standard describes a procedure for measuring critical radiant flux behavior of horizontally mounted floor covering systems exposed to a flaming ignition source in a graded, radiant heat energy environment within a test chamber. 1.1.2 This fire test response standard measures the critical radiant flux at flameout and provides a basis for estimating one aspect of fire exposure behavior for floor covering systems. A.1.1.1 This test method is technically similar to ASTM E648, Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source, and test results obtained with this test method should be considered equivalent to test results obtained using ASTM E648. Multiple codes and standards, including NFPA 101 and NFPA 5000, reference both test methods in the same section. A.1.1.2 The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames, hot gases, or both from a fully developed fire in an adjacent room or compartment.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 276-202x, Standard Method of Fire Test for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Deck Roofing Components (revision of ANSI/NFPA 276-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. A.1.1 In August 1953, the 35-acre General Motors HydroMatic factory in Livonia, MI, was destroyed by fire. Unprotected steel construction and the thin steel deck, which permitted the asphalt built-up roof covering to melt, drip through joints, and thereby contribute to fire spread within the building, were factors cited as responsible for the extent of the loss. The fire resulted in the largest industrial fire loss in the United States to that date. A 20 ft × 100 ft (6.1 m × 30.5 m) test structure was constructed to facilitate the analysis of the potential for contribution of roof-covering materials to fire spread within a building. Subsequent analysis consisted of a series of five large-scale fire tests utilizing different roof deck constructions, one of which represented the roof deck construction used in the General Motors factory. Based on those large-scale fire tests, a roof deck construction evaluated for the purpose of establishing limits for underdeck fire spread consisted of a built-up steel roof deck system. Based on this full-scale testing, Factory Mutual (FM) developed the fire test procedure described in Appendix B of FM 4450, Class 1 Insulated Steel Deck Roofs, and incorporated only the wood fiberboard...

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 290-202x, Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers (revision of ANSI/NFPA 290-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. The test described in this procedure shall be used to determine the fire resistance of passive fire protection (PFP) materials applied to the exterior of LP-Gas containers.
A.1.1 Thermal protection insulating systems are allowed for use on LP-Gas containers as a means of special protection in NFPA 58 and NFPA 59. These standards require that these materials undergo thermal performance testing as a precondition for acceptance. The intent of this testing procedure is to identify insulation systems that retard or prevent the release of the container's contents in a fire environment for 50 minutes and resist a concurrent hose stream for 10 minutes. With the issuance of NFPA 290, this test method, with the acceptance criteria of Section 7.5, is now the test for thermal insulation of LP-gas containers required in Annex H of NFPA 58, and it is also required by NFPA 59 for the insulation in LP-gas-insulated containers.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 498-202x, Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives (revision of ANSI/NFPA 498-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. A.1.1 Safe havens and interchange lots provide parking and interchange facilities for vehicles transporting explosives. Some explosives interchange lots also provide temporary holding facilities for less-than-truckload quantities of explosives. This standard is designed to prevent the occurrence or spread of fire in facilities where an explosion can present a distinct threat to the surrounding areas. Explosives motor vehicle facilities are part of the over-the-road transportation of explosives. These facilities not only provide the services noted above, but can also provide vehicle maintenance and driver rest areas. Motor vehicles using these facilities operate under the regulations of the U.S. Department of Transportation (49 CFR). These vehicles are engaged in transporting explosives and ammunition on government bills of lading or are often carriers of commercial explosives. Properly operated explosives motor vehicle facilities provide a safe and controlled environment for parking vehicles carrying explosives. The overall result is improved highway safety.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 715-202x, Standard for the Installation of Fuel Gases Detection and Warning Equipment (revision of ANSI/NFPA 715-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 This standard shall be concerned with life safety and protection of property. 1.1.2 This standard shall cover the selection, design, application, installation, location, performance, inspection, testing, and maintenance of fuel gas detection and warning equipment in buildings and structures. 1.1.3 This standard shall contain requirements for the selection, installation, operation, and maintenance of equipment that detects concentrations of fuel gases that could pose a life or property safety risk.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 790-202x, Standard for Competency of Third-Party Field Evaluation Bodies (revision of ANSI/NFPA 790-2021 (R2024))
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 Establishing Competence. 1.1.1.1 The provisions of this standard shall address requirements for the qualification and competency of a body performing field evaluations on electrical products and assemblies with electrical components. 1.1.1.2 These requirements are based on ISO/IEC Guide 65 and ISO/IEC 17020 with adaptation for the unique characteristics of field evaluations. 1.1.2 Competent FEBs. 1.1.2.1 A field evaluation body (FEB) meeting the requirements of this standard shall be considered competent to perform field evaluations. 1.1.2.2 These requirements shall apply to both the initial and continued competency of FEBs.

## NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

***Revision***

BSR/NFPA 791-202x, Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation (revision of ANSI/NFPA 791-2021 (R2024))
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 This document covers recommended procedures for evaluating unlabeled electrical equipment in conjunction with nationally recognized standard(s) applicable to the subject equipment and any requirements of the authority having jurisdiction (AHJ). 1.1.2 This document does not cover procedures for the evaluation of third-party certification programs that result in listed and labeled equipment.

## SCTE (Society of Cable Telecommunications Engineers)

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

***Revision***

BSR/SCTE 35-202x, Digital Program Insertion Cueing Message (revision of ANSI/SCTE 35-2022)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology.

Interest Categories: General Interest, Producer, User

Scope: This standard supports delivery of events, frame accurate or non-frame accurate, and associated descriptive data in MPEG-2 transport streams, MPEG-DASH and HLS. This standard supports the splicing of content (MPEG-2 transport streams, MPEG-DASH, etc.) for the purpose of Digital Program Insertion, which includes Advertisement insertion and insertion of other content types. This standard defines an in-stream messaging mechanism to signal splicing and insertion opportunities.

## SCTE (Society of Cable Telecommunications Engineers)

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

***Revision***

BSR/SCTE 185-202x, Test Method for Cantilever Force, Female F Port (revision of ANSI/SCTE 185-2017)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology.

Interest Categories: General Interest, User, Producer

Scope: This test procedure is used to evaluate the mechanical strength of female “F” ports on passive or active devices when a cantilever force is applied to the port.

## ULSE (UL Standards & Engagement)

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

*New Standard*

BSR/UL 1487-202x, Standard for Safety for Battery Storage Cabinets (new standard)
Stakeholders: Battery storage cabinet manufacturers, AHJs, commercial/industrial users of batteries such as laboratories and manufacturers, testing and standards laboratories, property owners

Project Need: As various devices migrate from line voltage or internal combustion power to battery power, the storage of batteries in laboratory and manufacturing environments is becoming a greater concern due to the energy potential contained in rechargeable cells. The batteries pose a risk for fire, explosion, and thermal runaway which need to be mitigated in these environments. The reason for the standardization activity is to thus develop a test method for a new range of products being designed to provide battery storage to serve these needs. The proposed standard would then serve as dedicated test method for these storage cabinets like the role UL 72 has for record protection devices or UL 1275 has for flammable liquid storage cabinets.

Interest Categories: Producers, commercial/industrial users, AHJs, supply chain, general interest, testing & standards organizations, government, Consumers, international delegates

Scope: This test method evaluates the ability of a product intended to store batteries, battery packs, and battery-powered consumer devices to contain fire and explosion hazards associated with lithium-ion battery thermal runaway. The product under test would include inherent fire and explosion protection such as suppression, passive fire resistance, alarm, detection, explosion venting, or other measures. The test methodology does not evaluate the efficacy of each individual protection measure, but instead evaluates the product as a system. These products may also charge the stored batteries, in which case the electrical safety hazards of the integrated charging system are also evaluated. This test methodology does not apply to commercial or residential battery energy storage systems.

# 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

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## Comment Deadline: August 28, 2022

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

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

***Addenda***

BSR/ASHRAE Addendum ah to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)
This proposed addendum revises the composition tolerances for components of refrigerant blends.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/ASHE Addendum d to BSR/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)
Addendum d to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020 adds an exception to reference to ANSI/ASHRAE/ASHE Standard 189.3, Section 6.3.1.1, "Irrigation Limitations" for healing gardens and outdoor therapy or rehabilitation areas that provide physical or mental therapy. This addresses the clinical benefit that outdoor areas can provide in the clinical process. This allows high-performance healthcare facilities to irrigate these areas maintaining their function with increased traffic and use. Section 12, "Normative References" is revised to reference the most current edition of ANSI/ASHRAE/ASHE Standard 170, "Ventilation of Health Care Facilities."
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: August 28, 2022

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

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

***Addenda***

BSR/ASHRAE/IES Addendum i to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)
This proposed addendum revises the Title, Purpose, and Scope to include carbon emission performance requirements in Standard 100.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org; standards@iapmostandards.org, https://www.iapmostandards.org

***Revision***

BSR/CSA B45.5/IAPMO Z124-202x, Plastic Plumbing Fixtures (revision of ANSI/CSA B45.5/IAPMO Z124-2016)
This Standard covers plastic plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings. This Standard covers the following plumbing fixtures: (a) bathtubs and combination tub/showers; (b) lavatories; (c) shower bases and shower stalls; (d) sinks: (i) bar sinks; (ii) kitchen sinks; (iii) laundry sinks; and (iv) service sinks; (e) urinals; and (f) water closets.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: standards@iapmostandards.org

## IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

***Revision***

BSR/IES LS-1-22-202x, Lighting Science: Nomenclature & Definitions (revision of ANSI/IES LS 1-2020)
Illuminating engineering, strictly speaking, comprises the production, measurement and application of light, or radiant energy within the limits of the visual spectrum. Since, however, most light sources furnish radiant energy also in the adjoining infrared and ultraviolet regions, and since many lamp-type devices are used for the production of radiant energy in these regions, it is customary to include the infrared and ultraviolet within the province of the illuminating engineer. This revision includes revisions and new definitions for UV light sources and Germicidal terms used in lighting.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

# Comment Deadline: August 28, 2022

## NSF (NSF International)

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

***Revision***

BSR/NSF 40-202x (i52r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018 (i29r1))
This Standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1,514 L/d (400 gal/d) and 5,678 L/d (1,500 gal/d). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard. System components covered under other NSF or NSF/ANSI standards or criteria shall also comply with the requirements therein. This Standard shall in no way restrict new system designs, provided such designs meet the minimum specifications described herein.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

## NSF (NSF International)

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

***Revision***

BSR/NSF 245-202x (i33r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018 (i12r2))
This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

## NSF (NSF International)

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

***Revision***

BSR/NSF 332-202x (i10r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015 (i8r1))
This sustainability standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable resilient floor coverings. The Standard includes relevant criteria across the product(s) life cycle from raw material extraction through manufacturing, use, and end-of-life management. As used in this Standard, “resilient floor coverings” includes, but is not limited to, vinyl tile, vinyl composition tile, sheet vinyl, rubber, polymeric, and linoleum flooring products in which the wearing surface is non-textile. Also included are flooring accessories such as wall base, moldings, and stair treads.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Andrea Burr; aburr@nsf.org

# Comment Deadline: August 28, 2022

## NSF (NSF International)

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

***Revision***

BSR/NSF 350-202x (i75r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2015 (i6r1))
This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

## ULSE (UL Standards & Engagement)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | kevin.hf.wu@ul.org, https://ul.org/

***Revision***

BSR/UL 217-202x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2020)
Proposed changes to clarify the sensitivity requirements of the alarm silence feature and correct the smoke alarm reliability prediction requirements in Annex C.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Wathma.Jayathilake@ul.org, https://ul.org/

***Revision***

BSR/UL 1981-202X, Standard for Safety for Central-Station Automation Systems (revision of ANSI/UL 1981 -2014a)
WEB-hosted central station solution.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

# Comment Deadline: September 12, 2022

## AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 102-202x, Standard for Verification of Source Conclusions in Toolmark Examinations (new standard)
This document provides requirements for conducting verifications of source conclusions arising from forensic toolmark comparisons. This document is limited to the process of performing a quality check of the source conclusions reached by the primary firearm and toolmark examiner in a case and does not address or consider other types of technical casework review.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

## AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 118-202x, Standard for Breath Alcohol Instrument Specifications. (new standard)
This document defines the minimum technical capability of evidential breath alcohol instruments used in law enforcement applications. The document emphasizes analytical performance, quality assurance measures, and design features that can affect analytical performance. This standard is not intended to include instruments used for preliminary (non-evidentiary), ignition interlock, or federally regulated testing.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: https://www.aafs.org/academy-standards-board
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge
Send comments (copy psa@ansi.org) to: asb@aafs.org

# Comment Deadline: September 12, 2022

## AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 132-202x, Standard for Population Affinity Estimation in Forensic Anthropology (new standard)
This standard provides procedures for the estimation of population affinity from skeletal material. Specific methods and techniques are not included. This standard is not applicable to subadult skeletal remains when cranial and postcranial features are not fully developed.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Order from: Document will be provided electronically on AAFS Standards Board website (https://www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

## AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 147-202x, Standard for Analyzing Skeletal Trauma in Forensic Anthropology (new standard)
This standard provides requirements for documenting, describing, interpreting, and reporting skeletal trauma in forensic anthropology. It also provides requirements for the determination of trauma timing (i.e., antemortem, perimortem, or postmortem) and the identification of the mechanism that produced the trauma (i.e., projectile, sharp, blunt, or thermal trauma). This document does not address cause and manner of death.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

# Comment Deadline: September 12, 2022

## AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 162-202x, Standard for the Forensic Examination and Documentation of Non-firearm Tools and Non-firearm Toolmarks (new standard)
This document provides procedures for the examination, documentation, and reporting of non-firearm tools and non-firearm toolmarks by forensic toolmark examiners. This document does not cover the microscopic comparison of toolmarks.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

## AAMI (Association for the Advancement of Medical Instrumentation)

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

*New Standard*

BSR/AAMI SW96-202x, Standard for medical device security - Security risk management for device manufacturers (new standard)
This standard provides requirements and guidance when addressing design, production, and post-production security risk management within the risk management framework defined by ANSI/AAMI/ISO 14971. While it is based on the ANSI/AAMI/ISO 14971 framework for medical device risk management, most concepts are applicable to any healthcare product, including digital health, that requires the management of security.
Single copy price: $315.00
Obtain an electronic copy from: OMunteanu@aami.org
Order from: Ovidiu Munteanu; OMunteanu@aami.org
Send comments (copy psa@ansi.org) to: OMunteanu@aami.org

# Comment Deadline: September 12, 2022

## ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

***Reaffirmation***

BSR/ADA Standard No. 125-2018 (R202x), Manual Interdental Brushes (reaffirm a national adoption ANSI/ADA Standard No. 125-2018)
This standard specifies requirements and test methods for performance criteria for manual interdental brushes with a round cross-section of the brush head and consisting of a wired stem with inserted filaments. It also specifies the accompanying information such as manufacturer's instructions for use and labelling of the packaging. Excluded are interdental brushes with a plastic core. This standard is not applicable to powered interdental brushes, manual toothbrushes, dental floss, tapes, and strings and to interdental cleaners that do not include filaments.
Single copy price: $65.00
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: Same

## ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

***Reaffirmation***

BSR/ADA Standard No. 127-2018 (R202x), Dynamic Loading Test for Endosseous Dental Implants (reaffirm a national adoption ANSI/ADA Standard No. 127-2018)
This standard specifies a method of dynamic testing of single post endosseous dental implants of the transmucosal type in combination with their premanufactured prosthetic components. It is most useful for comparing endosseous dental implants of different designs or sizes. While this standard simulates the functional loading of an endosseous dental implant under “worst case” conditions, it is not applicable for predicting the in vivo performance of an endosseous dental implant or dental prosthesis, particularly if multiple endosseous dental implants are used for a dental prosthesis.
Single copy price: $98.00
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: Same

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

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

***Reaffirmation***

BSR/AHRI Standard 1300-2013 (R202x) (I-P), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1300 (I-P)-2013)
This standard applies to factory assembled Commercial Heat Pump Water Heaters (CHPWH) defined as equipment to provide potable or service hot water using alternate sources of energy as air, water, and ground (geothermal) by means of electrically driven, mechanical vapor compression refrigerant systems. Different type of CHPWH are defined in Section 3.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

# Comment Deadline: September 12, 2022

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

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

***Reaffirmation***

BSR/AHRI Standard 1301-2013 (R202x) (SI), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1301 (SI)-2013)
This standard applies to factory assembled Commercial Heat Pump Water Heaters (CHPWH) defined as equipment to provide potable or service hot water using alternate sources of energy as air, water, and ground (geothermal) by means of electrically driven, mechanical vapor compression refrigerant systems. Different type of CHPWH are defined in Section 3.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

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

***Revision***

BSR/AHRI Standard 1160-202x (I-P), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1160 (I-P)-2014)
This standard applies to the rating and testing of complete factory-made Heat Pump Pool Heater refrigeration systems as defined in Section 3.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

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

***Revision***

BSR/AHRI Standard 1161-202x (SI), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1160 (I-P)-2014)
This standard applies to the rating and testing of complete factory-made Heat Pump Pool Heater refrigeration systems as defined in Section 3.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

# Comment Deadline: September 12, 2022

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-30-2011 (S202x), Optical Measurement Specifications for MICR Documents (stabilized maintenance of ANSI X9.100-30-2011 (R2017))
The scope of the standard is the specification of the optical measurement methodology for the parameters of reflectance, PCS, DCR, Paxel Count, and opacity which are needed for MICR documents.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-130-2011 (S202x), Universal Interbank Batch/Bundle Ticket (stabilized maintenance of ANSI X9.100-130-2011 (R2017))
This standard specifies the required elements of the Universal Interbank Batch/Bundle Ticket. It is expected that bankers refer to this standard when designing this form. This standard is sufficiently flexible to meet differing document and institution needs without unnecessary constraints.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-150-2010 (S202x), Check Carrier Envelopes (stabilized maintenance of ANSI X9.100-150-2010 (R2017))
This Standard covers design considerations applying to carriers used for forward transit items, return items, and other bank interchange purposes.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 12, 2022

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-151-2010 (S202x), Check Correction Strips (stabilized maintenance of ANSI X9.100-151-2010 (R2017))
This standard covers the design and the functional characteristics of the strip extension as affixed to a check. These strips provide a new MICR clear band area used to modify or correct the MICR line of items for forward collection, returns, rejects, or other banking interchange systems.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-161-2010 (S202x), Creating MICR Document Specification Forms (stabilized maintenance of ANSI X9.100-161-2010 (R2017))
This standard specifies the contents for MICR Document Specification Forms. It may be used to create specifications for the design and manufacture of checks and deposit tickets, as well as other financial institution MICR documents. The standard is sufficiently flexible to meet the needs of a variety of financial institutions. The standard is not the specification form itself.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-170-2010 (S202x), Check Fraud Deterrent Icon (stabilized maintenance of ANSI X9.100-170-2010 (R2017))
This standard establishes the design and usage requirements of a check fraud deterrent icon (CFDI) for visually communicating the presence of security features on a check. The standard specifies minimal overt security features which meet the requirements for deterring both counterfeiting and alteration that printers are to use prior to printing a check fraud deterrent icon onto a check. This standard also establishes the requirements for use of a check fraud deterrent icon, the location on the check for the icon, and the location of and requirements for the associated warning box and verbiage.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 12, 2022

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-182-2011 (S202x), Bulk Image and Data Delivery (standard, XSD Schema, and TR 40) (stabilized maintenance of ANSI X9.100-182-2011 (R2017))
Organizations receiving images from multiple sources generally are not equipped to recognize all the images received because vendors use diverse image compression and image file formats. This media-based image exchange format will standardize the export and import of image data regardless of what type of hardware/software was used to capture, store or export the images.
Single copy price: $160.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-183-2010 (S202x), Electronic Check Adjustments (stabilized maintenance of ANSI X9.100-183 -2010 (R2017))
The purpose of this standard is to provide the financial industry with a format to perform the electronic exchange of check adjustments. The format supports adjustment requests, adjustment notices, and other adjustments-related messages.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

*Stabilized Maintenance*

BSR X9.100-40-1, X9.100-40-2-2008 (S202x), Specifications for Check Image Tests (Part 1: Definition of Elements and Structures; Part 2: Application and Registration Procedures) (stabilized maintenance of ANSI X9.100-40-1, X9.100-40-2-2008 (R2017))
Part 1 of ANSI X9.100-40 defines the elements and structures for standard check image tests used by the financial industry to assess specific attributes of check images. The specification establishes a framework for defining check image tests, conveying the results from executing a check image test, and conveying any parameters used in executing check image tests. Part 2 of ANSI X9.100-40 describes the application and registration procedures used to register check image tests that are formulated in accordance with ANSI X9.100 -40 Part 1.
Single copy price: $140.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 12, 2022

## ASIS (ASIS International)

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

***Revision***

BSR/ASIS PSC.1-202x, Management System for Private Security Company Operations - Requirements with Guidance (revision of ANSI ASIS PSC.1-2012 (R2017))
This Standard builds on the Montreux Document and the International Code of Conduct (ICoC) for Private Security Service Providers to provide requirements and guidance for a management system with auditable criteria for Private Security Company Operations, consistent with respect for human rights, legal obligations, and good practices related to operations of private security service provider companies in conditions where governance and the rule of law have been undermined by conflict or disaster. It provides auditable requirements based on the Plan-Do-Check-Act model for third-party certification of private security service providers working for any client.
Single copy price: $100.00
Obtain an electronic copy from: standards@asisonline.org
Send comments (copy psa@ansi.org) to: standards@asisonline.org

## ASSP (ASC A10) (American Society of Safety Professionals)

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

***Revision***

BSR/ASSP A10.39-202X, Construction Safety & Health Audit Program (revision and redesignation of ANSI/ASSE A10.39-1996 (R2017))
This standard identifies the minimum performance elements that, when properly utilized, will allow for a competent evaluation of a construction safety and health program. Further, it will identify those areas where systems, records, and performance elements are required in order to produce a quality audit.
Single copy price: $110.00
Obtain an electronic copy from: TFisher@ASSP.Org
Order from: Tim Fisher; tfisher@assp.org
Send comments (copy psa@ansi.org) to: Same

## ASSP (ASC A10) (American Society of Safety Professionals)

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

***Revision***

BSR/ASSP A10.49-202X, Control of Chemical Health Hazards in Construction and Demolition Operations (revision and redesignation of ANSI/ASSE A10.49-2015)
This standard establishes the minimum requirements for controlling health risks from chemicals and toxic substances used or encountered in construction and demolition operations. It establishes procedures for identifying and evaluating chemical hazards and exposures, and for selecting and using appropriate controls and practices to reduce health risks.
Single copy price: $125.00
Obtain an electronic copy from: TFisher@ASSP.Org
Order from: Tim Fisher; tfisher@assp.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 12, 2022

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

***Reaffirmation***

BSR/ATIS 0600010.04-2017 (R202x), Operational Vibration Requirements for Communications Equipment (reaffirmation of ANSI/ATIS 0600010.04-2017)
This standard specifies covers the minimum operational vibration criteria for communications equipment. It is the intent of this standard to utilize the latest versions of ATIS standards that are referenced. It is also the intent to utilize (where appropriate) newer versions of other standards or documents that are referenced provided they do not conflict with the intent of this standard.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: Drew Greco; dgreco@atis.org

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

***Revision***

BSR/ATIS 0600005-202x, Acoustic Measurement (revision of ANSI/ATIS 0600005-2017)
Acoustic noise from telecom equipment adds to regulated environmental noise. This standard provides measurement methods for acoustic noise that are accurate and repeatable. Emission limits are set in units of sound power for equipment installed in temperature-controlled environments.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: Drew Greco; dgreco@atis.org

## AWC (American Wood Council)

222 Catoctin Circle , Suite 201, Leesburg, VA 20175 | bdouglas@awc.org, www.awc.org

***New Standard***

BSR/AWC FDS-202x, Fire Design Specification for Wood Construction (new standard)
This proposed standard is intended to provide designers with a document that includes procedures, calculations, and specific language necessary for design of wood buildings to comply with general design requirements in codes and other referenced standards. This new standard will incorporate provisions from AWC's National Design Specification for Wood Construction (NDS) for the design of exposed wood members and will expand those provisions to provide calculation procedures to address the added fire resistance and thermal benefits of protection provided by use of additional wood, gypsum panel products, and insulation. In addition, these additional calculation provisions will provide standardized methods of calculating thermal separation and burn-through requirements as required in ASTM E119 and as provided in AWC's Technical Report 10: Calculating the Fire Resistance of Exposed and Protected Wood Members (TR10).
Single copy price: $50.00
Obtain an electronic copy from: bdouglas@awc.org
Send comments (copy psa@ansi.org) to: Bradford Douglas; bdouglas@awc.org

# Comment Deadline: September 12, 2022

## AWS (American Welding Society)

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

***Reaffirmation***

BSR/AWS A9.5-2012 (R202x), Guide for Verification and Validation in Computation Weld Mechanics (reaffirmation of ANSI/AWS A9.5-2012)
This standard provides guidelines for assessing the capability and accuracy of computational weld mechanics (CWM) models. This standard also provides general guidance for implementing verification and validation (V&V) of computational models for complex systems in weld mechanics.
Single copy price: $36.00
Obtain an electronic copy from: gupta@aws.org
Send comments (copy psa@ansi.org) to: Rakesh Gupta; gupta@aws.org

## AWS (American Welding Society)

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

***Revision***

BSR/AWS A5.28/A5.28M-202x, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.28/A5.28M-2020)
This specification prescribes the requirements for classification of solid low-alloy steel electrodes and rods, composite stranded low-alloy steel electrodes and rods, and composite metal cored low-alloy steel electrodes and rods for gas shielded welding processes including gas metal arc welding, gas tungsten arc welding, and plasma arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite-metal cored electrodes and rods and the as-welded or postweld heat-treated mechanical properties of the weld metal for each. Additional requirements are included for manufacture, sizes, lengths, and packaging. Optional supplemental designators are also included for lower temperature toughness requirements, diffusible hydrogen limits, reduced Mn + Ni levels in Cr-Mo compositions, and shielding gas ranges. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.
Single copy price: $28.00 (AWS members)/$37.00 (non-members)
Obtain an electronic copy from: kbulger@aws.org
Order from: Kevin Bulger; kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

## AWWA (American Water Works Association)

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

***Revision***

BSR/AWWA B101-202x, Precoat Filter Media (revision of ANSI/AWWA B101-2016)
This standard describes diatomaceous earth (DE), perlite, and other disposable filter materials used to precoat filters for water supply service.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

# Comment Deadline: September 12, 2022

## AWWA (American Water Works Association)

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

***Revision***

BSR/AWWA C227-202x, Bolted, Split-Sleeve Couplings (revision of ANSI/AWWA C227-2017)
This standard describes bolted, split-sleeve couplings (couplings) used to join pipe of similar outside diameter.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

## AWWA (American Water Works Association)

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

***Revision***

BSR/AWWA C707-202x, Encoder-Type Remote-Registration Systems for Cold-Water Meters (revision of ANSI/AWWA C707-2010 (R2015))
This standard covers encoder-type remote-registration systems for use on cold-water meters for water-utility customer service, particularly, the materials and workmanship employed in the fabrication and assembly of the on-meter registers.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

## AWWA (American Water Works Association)

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

***Revision***

BSR/AWWA C104/A21.4-202x, Cement-Mortar Lining of Ductile-Iron Pipe and Fittings (revision of ANSI/AWWA C104/A21.4-2016)
This standard describes shop-applied cement–mortar linings specified in the ANSI/AWWA C100/A21 series of standards for ductile-iron pipe and ductile-iron and gray-iron fittings for potable water, raw water, wastewater, and reclaimed water systems and is intended to be used as a supplement to those standards.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

# Comment Deadline: September 12, 2022

## CSA (CSA America Standards Inc.)

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

***Reaffirmation***

BSR Z21.74-2017 (R202x), Portable Refrigerators (same as CSA Z21.74) (reaffirmation of ANSI Z21.74-2017)
This Standard covers gas-fired refrigerators employing the absorption or adsorption principle of refrigeration, hereinafter referred to as refrigerators or appliances, having refrigerated spaces for: (a) storage of foods; or (b) storage of foods and making ice; or (c) storage of frozen foods and making ice; or (d) storage of foods and the storage of frozen foods and making ice. This Standard applies to newly produced, unvented, portable refrigerators constructed entirely of new, unused parts and materials, with input ratings of 1000 Btu per hour (293 W) or less, and which are for use with propane gas, butane gas, or propane-butane gas mixtures which are referred to as LP-gas. If a clause references a specific gas, then that clause is limited to the specific gas. These refrigerators are intended for use both indoors in adequately ventilated structures and outdoors.
Single copy price: Free
Obtain an electronic copy from: ANSI.Contact@CSAGroup.org
Send comments (copy psa@ansi.org) to: ANSI.Contact@CSAGroup.org

## CSA (CSA America Standards Inc.)

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

***Reaffirmation***

BSR Z21.97-2017 (R202x), Outdoor decorative gas appliances (same as CSA 2.41) (reaffirmation of ANSI Z21.97 -2017)
This Standard applies to newly produced decorative gas appliances for outdoor installation, constructed entirely of new, unused parts and materials; hereinafter referred to as “appliance.” Appliances submitted for examination under this Standard are classified as one of the following: portable, stationary, or built-in.
Single copy price: Free
Obtain an electronic copy from: ANSI.Contact@CSAGroup.org
Send comments (copy psa@ansi.org) to: ANSI.Contact@CSAGroup.org

## CSA (CSA America Standards Inc.)

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

***Reaffirmation***

BSR Z21.103-2017 (R202x), Unvented portable type gas camp heaters for indoor and outdoor use (same as CSA Z21.103) (reaffirmation of ANSI Z21.103-2017)
This Standard applies to newly produced gas-fired unvented portable-type gas camp heaters including the catalytic type, hereinafter referred to as either “heaters” or “portable heaters”, having an input up to and including 18 000 Btuh (5.27 kW) using one or more fuel sources such as propane, butane or identified propane, and butane-blended gases. It reviews construction, performance as well as manufacturing and production tests.
Single copy price: Free
Obtain an electronic copy from: ANSI.Contact@CSAGroup.org
Send comments (copy psa@ansi.org) to: ANSI.Contact@CSAGroup.org

# Comment Deadline: September 12, 2022

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

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

***Revision***

BSR/ASSE 1086-202x, Performance Requirements for Reverse Osmosis Water Efficiency - Drinking Water (revision of ANSI/ASSE 1086-2020)
This standard covers water efficiency, automatic shut-off valves, and flow restrictor requirements for Residential RO systems and performance testing to address the membrane life concerns of high-efficiency RO membranes. This standard includes test requirements for complete systems or components (RO membrane, automatic shut-off valve, flow restrictor).
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Order from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

## IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | J.Santulli@ieee.org, www.ieee.org

***New Standard***

BSR C63.29-202x, Standard for Compliance Testing of Lighting Products (new standard)
A new standard is needed to test compliance of LED lighting products with applicable radio regulatory requirements.
Single copy price: $165.00 (List)/$132.00 (IEEE Members)
Obtain an electronic copy from: j.santulli@ieee.org
Order from: Jennifer Santulli; J.Santulli@ieee.org
Send comments (copy psa@ansi.org) to: Same

## IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | J.Santulli@ieee.org, www.ieee.org

***Revision***

BSR C63.2-202x, Standard for Specifications of Electromagnetic Interference and Field Strength Measuring Instrumentation in the Frequency Range 9 kHz to 40 GHz (revision of ANSI C63.2-2016)
C63.2 specifies measurement equipment requirements for ANSI emissions measurement documents.
Single copy price: $53.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: Jennifer Santulli; J.Santulli@ieee.org

# Comment Deadline: September 12, 2022

## IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

***Revision***

BSR/IES RP-8-202x, Recommended Practice: Lighting Roadway and Parking Facilities (revision of ANSI/IES RP-8 -2018)
This Recommended Practice is intended to recommend proper techniques to allow motorists, pedestrians and cyclists within the right-of-way to benefit from the value of lighting. If designed or installed improperly, the benefits of lighting may be reduced. This update includes revisions to Chapters 3, 9, 10, 11, 12, 4, and Annex H, and a new Annex L.
Single copy price: $25.00
Obtain an electronic copy from: Patricia McGillicuddy; pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

## SCTE (Society of Cable Telecommunications Engineers)

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

***Reaffirmation***

BSR/SCTE 28-2017 (R202x), HOST-POD Interface Standard (reaffirmation of ANSI/SCTE 28-2017)
This standard defines the characteristics and normative specifications for the interface between Point of Deployment (POD) security modules owned and distributed by cable operators, and commercially available consumer receivers and set-top terminals ("Host devices") that are used to access multi-channel television programming carried on North American cable systems.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

## SCTE (Society of Cable Telecommunications Engineers)

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

***Revision***

BSR/SCTE 45-202x, Test Method for Group Delay (revision of ANSI/SCTE 45-2017)
The purpose of this test is to measure the group delay and group delay variation of a properly terminated device. This procedure is applicable to testing of 75 Ω components.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

# Comment Deadline: September 12, 2022

## SCTE (Society of Cable Telecommunications Engineers)

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

***Revision***

BSR/SCTE 66-202x, Test Method for Coaxial Cable Impedance (revision of ANSI/SCTE 66-2016)
The purpose of this procedure is to provide instructions for measuring 75-ohm coaxial cable impedance.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

## ULSE (UL Standards & Engagement)

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

***Reaffirmation***

BSR/UL 60335-2-1000-2017 (R202x), Standard for Safety for Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts (reaffirmation of ANSI/UL 60335-2-1000-2017)
This Standard deals with the safety of electrically powered pool lifts intended for persons requiring assistance for safe entry into and out of a pool, their rated voltage being not more than 150 V between supply phases or one phase and neutral or ground, and intended for installation in accordance with the US National Electrical Code, (NFPA 70) Article 680, Part VIII.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area “https://csds.ul.com/Home/ProposalsDefault.aspx"

## ULSE (UL Standards & Engagement)

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

***Reaffirmation***

BSR/UL 62841-2-10-2017 (R202x), Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-10: Particular Requirements for Hand-Held Mixers (reaffirmation and redesignation of ANSI/UL 62841-2-10-2017)
Reaffirmation and continuance of the First Edition of the Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Part 2-10: Particular Requirements for Hand-Held Mixers.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

# Comment Deadline: September 12, 2022

## ULSE (UL Standards & Engagement)

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

***Revision***

BSR/UL 1004-5-202x, Standard for Safety for Fire Pump Motors (revision of ANSI/UL 1004-5-2020)
The following is proposed: (1) Correction to Table 8.4, (2) Locked Rotor KVA Marking, (3) Inverter Duty Motor Service Factor Marking, and (4) Direction of Rotation Marking.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ul.org/

***Revision***

BSR/UL 2560-202x, Standard for Safety for Emergency Call Systems for Assisted Living and Independent Living Facilities (revision of ANSI/UL 2560-2018)
The proposed revisions to UL 2560 include: (1) Personal Pendants with Building-Wide Coverage for Call Initiation; and (2) Alternatives to Fixed Call Initiation Stations and Clarification of Allowable Interfaces for Call Cancellation.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work "https://csds.ul.com/Home/ProposalsDefault.aspx."

# Comment Deadline: September 27, 2022

## ULSE (UL Standards & Engagement)

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

***Revision***

BSR/UL 294-202x, Standard for Access Control System Units (revision of ANSI/UL 294-2018)
1. Proposed Eighth Edition of ANSI/UL 294, Standard for Safety for Access Control System Units
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/Default.aspx
Send comments (copy psa@ansi.org) to: Griff Edwards; griff.edwards@ul.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:

## ASTM (ASTM International)

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

BSR/ASTM E1020-202x, Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (new standard)
Inquiries may be directed to Corice Leonard; accreditation@astm.org

## ASTM (ASTM International)

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

BSR/ASTM F1703-2013 (R202x), Guide for Skating and Ice Hockey Playing Facilities (reaffirmation of ANSI/ASTM F1703-2013)
Inquiries may be directed to Corice Leonard; accreditation@astm.org

# Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

## ASTM (ASTM International)

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

ANSI/ASTM F1703-2013, Guide for Ice Hockey Playing Facilities
Direct inquiries to: Corice Leonard; accreditation@astm.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.

## AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org

***Revision***

ANSI/AGSC/AGRSS 005-2022, Auto Glass Safety Council/Automotive Glass Replacement Safety Standard 005 (revision and redesignation of ANSI/AGSC/AGRSS 004-2018) Final Action Date: 7/21/2022

## ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

***New Standard***

ANSI/ANS 30.3-2022, Advanced Light-Water Reactor Risk-Informed Performance-Based Design Criteria and Methods (new standard) Final Action Date: 7/21/2022

## API (American Petroleum Institute)

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

***Reaffirmation***

ANSI/API MPMS 14.3.1-2011 (R2022), Concentric, Square-edged Orifice Meters Part 1: General Equations and Uncertainty Guidelines (reaffirmation of ANSI/API MPMS 14.3.1-2011 (R2021)) Final Action Date: 7/21/2022

## ASTM (ASTM International)

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

***New Standard***

ANSI/ASTM F3564-2022, Guide for Determining Allowable Tensile Load for Polyamide-12 (PA12) Gas Pipe During Pull-In Installation (new standard) Final Action Date: 4/26/2022

***Reaffirmation***

ANSI/ASTM E122-2022, Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process (reaffirmation of ANSI/ASTM E122-2017) Final Action Date: 4/26/2022

***Reaffirmation***

ANSI/ASTM E456-2013a (R2022), Terminology Relating to Quality and Statistics (reaffirmation of ANSI/ASTM E456-2013a (R2017)) Final Action Date: 4/26/2022

***Reaffirmation***

ANSI/ASTM E2782-2022, Guide for Measurement Systems Analysis (MSA) (reaffirmation of ANSI/ASTM E2782 -2017) Final Action Date: 5/15/2022

***Reaffirmation***

ANSI/ASTM F1178-2022, Specification for Performance of Enameling System, Baking, Metal Joiner Work and Furniture (reaffirmation of ANSI/ASTM F1178-2011 (R2015)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM D6792-2022, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2021C) Final Action Date: 7/1/2022

## ASTM (ASTM International)

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

***Revision***

ANSI/ASTM E29-2022, Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM E29-2013 (R2019)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM E691-2022, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2021) Final Action Date: 5/15/2022

***Revision***

ANSI/ASTM E1474-2022, Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1474-2021) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM E1740-2022, Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wall Covering or Ceiling Covering Composites Using a Cone Calorimeter (revision of ANSI/ASTM E1740-2020A) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM E2067-2022, Practice for Full-Scale Oxygen Consumption Calorimetry Fire Tests (revision of ANSI/ASTM E2067-2020) Final Action Date: 7/1/2022

***Revision***

ANSI/ASTM E2257-2022, Test Method for Room Fire Test of Wall and Ceiling Materials and Assemblies (revision of ANSI/ASTM E2257-2017) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM E2965-2022, Test Method for Determination of Low Levels of Heat Release Rate for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E2965-2017) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM E3048-2022, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL) Radiant Panel (revision of ANSI/ASTM E3048-2019A) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F822-2022, Specification for Chest of Drawers (Chiffonier), Steel, Marine (revision of ANSI/ASTM F822-1993 (R2017)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F823-2022, Specification for Desk, Log, Marine, Steel, with Cabinet (revision of ANSI/ASTM F823 -1993 (R2017)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F824-2022, Specification for Tables, Mess, Marine, Steel (revision of ANSI/ASTM F824-1993 (R2017)) Final Action Date: 4/26/2022

## ASTM (ASTM International)

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

***Revision***

ANSI/ASTM F825-2022, Specification for Drawers, Furniture, Marine, Steel (revision of ANSI/ASTM F825-1993 (R2017)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F826-2022, Specification for Tops, Furniture, Marine, Steel (revision of ANSI/ASTM F826-1994 (R2017)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F1018-2022, Specification for Steel Emergency Gear Stowage Locker (revision of ANSI/ASTM F1018 -1987A (R2017)) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F1114-2022, Specification for Heat Sanitizing Commercial Pot, Pan, and Utensil Stationary Rack Type Water-Driven Rotary Spray (revision of ANSI/ASTM F1114-2016) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F1202-2022, Specification for Washing Machines, Heat Sanitizing, Commercial, Pot, Pan, and Utensil Vertically Oscillating Arm Type (revision of ANSI/ASTM F1202-2016) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F1203-2022, Specification for Washing MachinesPot, Pan, and Utensil, Heat Sanitizing, Commercial Rotary Conveyor Type (revision of ANSI/ASTM F1203-2016) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F2160-2022, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (revision of ANSI/ASTM F2160-2016) Final Action Date: 4/26/2022

***Revision***

ANSI/ASTM F2769-2022, Specification for Polyethylene of Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems (revision of ANSI/ASTM F2769-2018) Final Action Date: 7/15/2022

***Revision***

ANSI/ASTM F3371-2022, Specification for Polyolefin Pipe and Fittings for Drainage, Waste, and Vent Applications (revision of ANSI/ASTM F3371-2019) Final Action Date: 4/26/2022

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

***Revision***

ANSI/ATIS 0300097-2022, Structure for the Identification of Communications Connections for Information Exchange (revision of ANSI/ATIS 0300097-2017) Final Action Date: 7/21/2022

***Stabilized Maintenance***

ANSI/ATIS 0300276-2008 (S2022), Operations, Administration, Maintenance, and Provisioning Security Requirements for the Public Telecommunications Network: A Baseline of Security Requirements for the Management Plane (stabilized maintenance of ANSI/ATIS 0300276-2008 (R2017)) Final Action Date: 7/21/2022

## AWWA (American Water Works Association)

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

*New Standard*

ANSI/AWWA F130-2022, Aeration Systems for Biological Wastewater Treatment (new standard) Final Action Date: 7/21/2022

*Revision*

ANSI/AWWA C904-2022, Crosslinked Polyethylene (PEX) Pressure Tubing, In. Through 3 In., for Water Service (revision of ANSI/AWWA C904-2015) Final Action Date: 7/21/2022

## CTA (Consumer Technology Association)

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

*New Standard*

ANSI/CTA 2075.1-2022, Loudness Standard for Over-the-Top Television and Online Video Distribution for Mobile and Fixed Devices - LM1 (new standard) Final Action Date: 7/21/2022

## IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

*Reaffirmation*

ANSI/IES RP-38-2017 (R2022), Recommended Practice: Lighting Performance for Small to Medium Sized Video Conferencing Rooms (reaffirmation of ANSI/IES RP-38-2017) Final Action Date: 7/22/2022

## NEMA (ASC C136) (National Electrical Manufacturers Association)

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

*Stabilized Maintenance*

ANSI C136.1-2012 (S2022), Filament Lamps - A Guide for Selection (stabilized maintenance of ANSI C136.1 -2012 (R2018)) Final Action Date: 7/21/2022

*Stabilized Maintenance*

ANSI C136.6-2004 (S2022), Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeablity (stabilized maintenance of ANSI C136.6-2004 (R2018)) Final Action Date: 7/21/2022

*Stabilized Maintenance*

ANSI C136.9-2004 (S2022), Roadway and Area Lighting Equipment - Socket Support Assemblies for Metal Heads - Mechanical Interchangeability (stabilized maintenance of ANSI C136.9-2004 (R2018)) Final Action Date: 7/21/2022

*Stabilized Maintenance*

ANSI C136.29-2011 (S2022), for Roadway and Area Lighting - Meta Halide Lamps - Guide for Selection (stabilized maintenance of ANSI C136.29-2011 (R2018)) Final Action Date: 7/21/2022

## NSF (NSF International)

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

*Revision*

ANSI/NSF 350-2022 (i69r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020) Final Action Date: 7/19/2022

## NSF (NSF International)

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

***Revision***

ANSI/NSF 455-3-2022 (i32r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021) Final Action Date: 7/20/2022

***Revision***

ANSI/NSF 455-4-2022 (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022 (i32r1)) Final Action Date: 7/20/2022

***Revision***

ANSI/NSF/CAN 50-2022 (i106r16), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 7/14/2022

***Revision***

ANSI/NSF/CAN 61-2022 (i163r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021) Final Action Date: 7/15/2022

## TIA (Telecommunications Industry Association)

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

***Addenda***

ANSI/TIA 568.0-E-1-2022, Generic Telecommunications Cabling for Customer Premises; Addendum 1: Balanced Single Twisted-pair Cabling (addenda to ANSI/TIA 568.1-E-2020) Final Action Date: 7/22/2022

## ULSE (UL Standards & Engagement)

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

***National Adoption***

ANSI/UL 60079-13-2022, Standard for Safety for Explosive Atmospheres - Part 13: Equipment Protection by Pressurized Room p and Artificially Ventilated Room v (national adoption of IEC 60079-13 with modifications and revision of ANSI/UL 60079-13-2020) Final Action Date: 6/27/2022

***National Adoption***

ANSI/UL 60079-46-2022, Recommended Practice for Explosive Atmospheres - Part 46: Equipment Assemblies (national adoption with modifications of IEC TS 60079-46) Final Action Date: 7/22/2022

***National Adoption***

ANSI/UL 60947-4-1-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters (national adoption of IEC 60947-4-1 with modifications and revision of ANSI/UL 60947-4-1-2017) Final Action Date: 5/31/2022

***National Adoption***

ANSI/UL 60947-4-2-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption of IEC 60947-4-2 with modifications and revision of ANSI/UL 60947-4-2-2014) Final Action Date: 5/31/2022

***National Adoption***

ANSI/UL 60947-5-1-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices (national adoption of IEC 60947-5-1 with modifications and revision of ANSI/UL 60947-5-1-2014) Final Action Date: 5/31/2022

## ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

***National Adoption***

ANSI/UL 61058-2-1-2022, Standard for Switches for Appliances - Part 2: Particular Requirements for Cord Switches (identical national adoption of IEC 61058-2-1) Final Action Date: 5/31/2022

***National Adoption***

ANSI/UL 62852-2022, Standard for Connectors for DC-Application in Photovoltaic Systems - Safety Requirements and Tests (national adoption with modifications of IEC 62852) Final Action Date: 7/6/2022

***Reaffirmation***

ANSI/UL 1637-2017 (R2022), Standard for Safety for Home Health Care Signaling Equipment (reaffirmation of ANSI/UL 1637-2017) Final Action Date: 7/20/2022

***Reaffirmation***

ANSI/UL 2335-2012 (R2022), Standard for Safety for Fire Tests of Storage Pallets (June 3, 2022) (reaffirmation of ANSI/UL 2335-2012 (R2017)) Final Action Date: 7/21/2022

***Reaffirmation***

ANSI/UL 60947-7-4-2018 (R2022), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment-PCB Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-4-2018) Final Action Date: 7/18/2022

***Revision***

ANSI/UL 5-2022, Standard for Safety for Surface Metal Raceways and Fittings (June 3, 2022) (revision of ANSI/UL 5-2016 (R2020)) Final Action Date: 7/21/2022

***Revision***

ANSI/UL 295-2022, Standard for Safety for Commercial-Industrial Gas Burners (revision of ANSI/UL 295-2019) Final Action Date: 7/20/2022

***Revision***

ANSI/UL 498-2022, Standard for Safety For Attachment Plugs and Receptacles (revision of ANSI/UL 498-2021) Final Action Date: 7/20/2022

***Revision***

ANSI/UL 508A-2022, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020) Final Action Date: 7/21/2022

# Call for Members (ANS Consensus Bodies)

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

## ANSI Accredited Standards Developer

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

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

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

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

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

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

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

# Call for Members (ANS Consensus Bodies)

### AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI SW96-202x, Standard for medical device security - Security risk management for device manufacturers (new standard)

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

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

BSR/AHRI Standard 1160-202x (I-P), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1160 (I-P)-2014)

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

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

BSR/AHRI Standard 1161-202x (SI), Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1160 (I-P)-2014)

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

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

BSR/AHRI Standard 1300-2013 (R202x) (I-P), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1300 (I-P)-2013)

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

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

BSR/AHRI Standard 1301-2013 (R202x) (SI), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1301 (SI)-2013)

### ASSP (ASC A10) (American Society of Safety Professionals)

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

BSR/ASSP A10.39-202X, Construction Safety & Health Audit Program (revision and redesignation of)

### ASSP (ASC A10) (American Society of Safety Professionals)

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

BSR/ASSP A10.49-202X, Control of Chemical Health Hazards in Construction and Demolition Operations (revision and redesignation of ANSI/ASSE A10.49-2015)

### ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600005-202x, Acoustic Measurement (revision of ANSI/ATIS 0600005-2017)

# Call for Members (ANS Consensus Bodies)

### ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600010.04-2017 (R202x), Operational Vibration Requirements for Communications Equipment (reaffirmation of ANSI/ATIS 0600010.04-2017)

### AWS (American Welding Society)

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

BSR/AWS A5.28/A5.28M-202x, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.28/A5.28M-2020)

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-13E-2011 (R202x), Mating and Unmating Force Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-13E-2011 (R2017))

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-17C-2011 (R202x), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011 (R2017))

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-25E-2017 (R202x), Probe Damage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-25E-2017)

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-27C-2011 (R202x), Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-27C-2011 (R2017))

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-28F-2011 (R202x), Vibration Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-28F-2011 (R2017))

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-56E-2011 (R202x), Resistance to Soldering Heat Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-56E-2011 (R2017))

# Call for Members (ANS Consensus Bodies)

### ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-1005-2011 (R202x), Environmental Test Methodology for Determining the Susceptibility of Contacts to Fretting Corrosion (reaffirmation of ANSI/EIA 364-1005-2011 (R2017))

### ECIA (Electronic Components Industry Association)

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

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

### IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES LS-1-22-202x, Lighting Science: Nomenclature & Definitions (revision of ANSI/IES LS 1-2020)

### IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES RP-8-202x, Recommended Practice: Lighting Roadway and Parking Facilities (revision of ANSI/IES RP-8 -2018)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 91-202x, Recommended Practices for Maintaining Electrical Equipment (new standard)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 130-202x, Standard for Installing and Maintaning Wiring Devices (revision of ANSI/NECA 130-2016)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 409-202x, Standard for Installing and Maintaining Dry-Type Transformers (revision of ANSI/NECA 409 -2015)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 416-202x, Recommended Practice for Installing Energy Storage Systems (ESS) (revision of ANSI/NECA 416-2016)

# Call for Members (ANS Consensus Bodies)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 430-202x, Standard for Installing and Maintaining Medium-Voltage Switchgear (revision of ANSI/NECA 430-2016)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 507-202x, Recommended Practices for Electrical Wiring and Equipment in Hazardous Locations (new standard)

### NECA (National Electrical Contractors Association)

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

BSR/NECA 700-202x, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2016)

### NEMA (ASC C136) (National Electrical Manufacturers Association)

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

BSR C136.18-202X, Roadway and Area Lighting Equipment - High-Mast Side-Mounted Luminaires (revision of ANSI C136.18-2018)

### NSF (NSF International)

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

BSR/NSF 40-202x (i52r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018 (i29r1))

### NSF (NSF International)

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

BSR/NSF 245-202x (i33r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018 (i12r2))

### NSF (NSF International)

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

BSR/NSF 332-202x (i10r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015 (i8r1))

### NSF (NSF International)

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

BSR/NSF 350-202x (i75r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2015 (i6r1))

# Call for Members (ANS Consensus Bodies)

## ULSE (UL Standards & Engagement)

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

BSR/UL 1487-202x, Standard for Safety for Battery Storage Cabinets (new standard)

# American National Standards (ANS) Announcements

## Corrections

### ULSE - UL Standards & Engagement

**BSR/UL 2011-202x**

The following ULSE - UL Standards & Engagement PINS proposal was mistakenly designated as BSR/UL 2022-202x in the 7/22/2022 edition of Standards Action. The proposal should have been designated as follows:
BSR/UL 2011-202x, Standard for Safety for General Use and Industrial Machines for Ordinary (Unclassified) and Hazardous Locations
(new standard)
Please direct inquiries to: Mitchell Gold; mitchell.gold@ul.org

# Accreditation Announcements (Standards Developers)

## Approval of Reaccreditation – ASD

### AMPP - Association for Materials Protection and Performance

**Effective July 22, 2022**

The reaccreditation of **AMPP - Association for Materials Protection and Performance** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AMPP-sponsored American National Standards, effective **July 22, 2022**. For additional information, please contact: Richard Southard, Association for Materials Protection and Performance (AMPP) | 15835 Park Ten Place, Houston, TX 77084 | (281) 228-6485, rick.southard@ampp.org

## Approval of Reaccreditation – ASD

### AVIXA - Audiovisual and Integrated Experience Association

**Effective July 22, 2022**

The reaccreditation of **AVIXA - Audiovisual and Integrated Experience Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AVIXA-sponsored American National Standards, effective **July 22, 2022**. For additional information, please contact: Bob Higginbotham, Audiovisual and Integrated Experience Association (AVIXA) | 11242 Waples Mill Road, Suite 200, Fairfax, VA 22030 | (703) 273-7200, bhigginbotham@avixa.org

## Public Review of Revised ASD Scope

### RESNET - Residential Energy Services Network, Inc.

**Comment on Scope Deadline: August 28, 2022**

The **Residential Energy Services Network, Inc. (RESNET)** has submitted revisions to its current scope of ASD accreditation on file with ANSI for informational purposes. The revised scope follows:

To develop and maintain a series of performance based residential and commercial energy, water use, carbon, rating, and audit standards to determine the energy, water use and carbon performance of a home or building and the associated standards for all the performance improvements of the home or building, guidelines, standard practices, and other related standards.

Please submit any comments or questions by August 28, 2022 to : Richard Dixon, Standards Manager, Residential Energy Services Network, Inc. | P.O. Box 4561, Oceanside, CA 92052 | (760) 806-3448, rick.dixon@resnet.us (please copy jthompso@ANSI.org).

# American National Standards (ANS) Process

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

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

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

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation

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

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd

• American National Standards Key Steps: www.ansi.org/anskeysteps

• American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/

• ANSI - Education and Training: www.standardslearn.org

# American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NFRC (National Fenestration Rating Council)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)
- ULSE (UL Standards & Engagement)

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

# ANSI-Accredited Standards Developers (ASD) Contacts

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

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

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

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**ADA (Organization)**
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
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Paul Bralower
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**AGSC**
Auto Glass Safety Council
20 PGA Drive, Suite 201
Stafford, VA 22554
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**AHRI**
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard, Suite 400
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**ANS**
American Nuclear Society
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**APA**
APA - The Engineered Wood Association
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**API**
American Petroleum Institute
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**ASC X9**
Accredited Standards Committee X9, Incorporated
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www.x9.org

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**ASHRAE**
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
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**ASIS**
ASIS International
1625 Prince Street
Alexandria, VA 22314
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Aivelis Opicka
standards@asisonline.org

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

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**ASTM**
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100 Barr Harbor Drive
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**ATIS**
Alliance for Telecommunications Industry Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
www.atis.org

Drew Greco
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**AWC**
American Wood Council
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**AWS**
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**AWWA**
American Water Works Association
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Denver, CO 80235
www.awwa.org

Paul Olson
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**CSA**
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Cleveland, OH 44131
www.csagroup.org

Debbie Chesnik
ansi.contact@csagroup.org

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

Catrina Akers
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**ECIA**
Electronic Components Industry Association
13873 Park Center Road, Suite 315
Herndon, VA 20171
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Laura Donohoe
ldonohoe@ecianow.org

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

Terry Burger
terry.burger@asse-plumbing.org;
standards@iapmostandards.org

**IAPMO (Z)**
International Association of Plumbing & Mechanical Officials
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
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Terry Burger
terry.burger@asse-plumbing.org;
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**IEEE**
Institute of Electrical and Electronics Engineers
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Piscataway, NJ 08854
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**IEEE (ASC C63)**
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**IES**
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**NECA**
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**NEMA (ASC C136)**
National Electrical Manufacturers Association
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**NFPA**
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
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Dawn Michele Bellis
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**NSF**
NSF International
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**SCTE**
Society of Cable Telecommunications Engineers
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**TIA**
Telecommunications Industry Association
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**ULSE**
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# ISO & IEC Draft International Standards

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

**COMMENTS**

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

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

**ORDERING INSTRUCTIONS**

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

## ISO Standards

### Acoustics (TC 43)

ISO/DIS 10534-2, Acoustics - Determination of acoustic properties in impedance tubes - Part 2: Two-microphone technique for normal sound absorption coefficient and normal surface impedance - 10/9/2022, $98.00

### Agricultural food products (TC 34)

ISO/DIS 17468, Microbiology of the food chain - Technical requirements and guidance on establishment or revision of a standardized reference method - 10/7/2022, $53.00

ISO/DIS 15213-2, Microbiology of the food chain - Horizontal method for the detection and enumeration of Clostridium spp. - Part 2: Enumeration of Clostridium perfringens by colony-count technique - 10/7/2022, $112.00

ISO/DTS FDIS 20224-9, Molecular biomarker analysis - Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR - Part 9: Goose DNA detection method -, $77.00

ISO/DTS FDIS 20224-8, Molecular biomarker analysis - Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR - Part 8: Turkey DNA detection method -, $62.00

### Aircraft and space vehicles (TC 20)

ISO/FDIS 15865, Space systems - Qualification assessment - 12/13/2021, $82.00

ISO/FDIS 24411, Space systems - Micro-vibration testing - 11/13/2021, $82.00

### Anaesthetic and respiratory equipment (TC 121)

ISO/FDIS 81060-3, Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type - 3/4/2021, $107.00

### Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO/DIS 20658, Medical laboratories - Requirements for collection and transport of samples - 5/26/2022, $112.00

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

ISO/DIS 5091-2, Structural intervention of existing concrete structures using cementitious materials - Part 2: Top-surface overlaying - 5/21/2022, $82.00

ISO/DIS 5091-3, Structural intervention of existing concrete structures using cementitious materials - Part 3: Bottom-surface (soffit) underlaying - 5/20/2022, $93.00

### Corrosion of metals and alloys (TC 156)

ISO/DIS 7539-12, Corrosion of metals and alloys - Stress corrosion testing - Part 12: Requirements for atmospheric stress corrosion cracking testing - 10/6/2022, $53.00

### Cranes (TC 96)

ISO/DIS 23853, Cranes - Training of slingers and signallers - 10/7/2022, $71.00

### Ergonomics (TC 159)

ISO/DIS 8025, Ergonomics of the thermal environment: Management of working conditions in hot environments - 10/7/2022, $98.00

### Fine ceramics (TC 206)

ISO/DIS 5803, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test methods for determination of monoclinic phase in zirconia - 5/23/2022, $46.00

### Graphic technology (TC 130)

ISO/FDIS 22067-1, Graphic technology - Requirements for communication of environmental aspects of printed products - Part 1: General printing - 12/12/2021, $88.00

**Implants for surgery (TC 150)**

ISO/DIS 14630, Non-active surgical implants - General requirements - 10/10/2022, $93.00

**Information and documentation (TC 46)**

ISO/FDIS 13008, Information and documentation - Digital records conversion and migration process - 6/13/2021, $93.00

**Lifts, escalators, passenger conveyors (TC 178)**

ISO/FDIS 8100-33, Lifts for the transport of persons and goods - Part 33: T-type guide rails for lift cars and counterweights - 9/16/2021, $71.00

**Machine tools (TC 39)**

ISO/FDIS 16090-1, Machine tools safety - Machining centres, milling machines, transfer machines - Part 1: Safety requirements - 8/31/2020, $185.00

**Nuclear energy (TC 85)**

ISO/DIS 22188, Monitoring for inadvertent movement and illicit trafficking of radioactive material - 10/10/2022, $88.00

**Other**

ISO/FDIS 7906, Leather - Tests for colour fastness - General principles of testing - 11/26/2021, $58.00

ISO/FDIS 11644, Leather - Test for adhesion of finish - 10/3/2021, $58.00

**Petroleum products and lubricants (TC 28)**

ISO/DIS 10976, Refrigerated light hydrocarbon fluids - Measurement of cargoes on board LNG carriers - 5/26/2022, $134.00

**Plain bearings (TC 123)**

ISO/FDIS 6834, Plain bearings - Thermo-hydrodynamic lubrication design charts for circular cylindrical bearings under steady-state conditions - 12/11/2021, $82.00

ISO/DIS 12131-2, Plain bearings - Hydrodynamic plain thrust pad bearings under steady-state conditions - Part 2: Functions for the calculation of thrust pad bearings - 10/9/2022, $58.00

ISO/DIS 12167-1, Plain bearings - Hydrostatic plain journal bearings with drainage grooves under steady-state conditions - Part 1: Calculation of oil-lubricated plain journal bearings with drainage grooves - 10/8/2022, $98.00

**Plastics (TC 61)**

ISO/FDIS 306, Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) - 9/19/2021, $67.00

ISO/DIS 4504, Plastics - Polyethylene (PE) - Determination of co-monomer content by solution state 13C-NMR spectrometry - 10/7/2022, $88.00

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

ISO/DIS 8639, Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Test methods for leaktightness and proof of structural design of flexible joints - 5/22/2022, $53.00

ISO/DIS 10468, Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the ring creep properties under wet or dry conditions - 5/22/2022, $53.00

**Road vehicles (TC 22)**

ISO/DIS 19642-11, Road vehicles - Automotive cables - Part 11: Dimensions and requirements for coaxial RF cables with a specified analogue bandwidth up to 6 GHz (20 GHz) - 5/20/2022, $107.00

ISO/DIS 19642-12, Road vehicles - Automotive cables - Part 12: Dimensions and requirements for unscreened twisted pair RF cables with a specified analogue bandwidth up to 1 GHz - 5/20/2022, $93.00

**Security (TC 292)**

ISO/FDIS 22361, Security and resilience - Crisis management - Guidelines - 9/2/2021, $107.00

**Ships and marine technology (TC 8)**

ISO/DIS 22787, Marine environmental impact assessment (MEIA) - Technical specifications for marine biotic surveys in the international seabed area - General principles and definitions - 5/21/2022, $77.00

**Solar energy (TC 180)**

ISO/DIS 22975-4, Solar energy - Collector components and materials - Part 4: Part 4: Glazing material durability and performance - 5/26/2022, $53.00

**Starch (including derivatives and by-products) (TC 93)**

ISO/DIS 8355, Starch acetates - Specifications and test methods - 5/26/2022, $46.00

**Steel (TC 17)**

ISO/DIS 630-5, Structural steels - Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance - 5/26/2022, $82.00

**Terminology (principles and coordination) (TC 37)**

ISO/DIS 5060, Translation services - Evaluation of translation output - General guidance - 5/21/2022, $82.00

**Tourism and related services (TC 228)**

ISO/DIS 5103, Tourism and related services - Dry stack boat storage - Minimum requirements for operations and service provision - 10/7/2022, $46.00

**Tractors and machinery for agriculture and forestry (TC 23)**

ISO/DIS 23316-5, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 5: DC operation mode - 10/13/2022, $112.00

ISO/DIS 23316-6, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 6: Communication signals - 10/10/2022, $185.00

ISO/DIS 23316-7, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 7: Mechanical integration - 10/7/2022, $46.00

ISO/DIS 4254-20, Agricultural machinery - Safety - Part 20: Grape, olives and coffee harvesters - 5/26/2022, $82.00

**Traditional Chinese medicine (TC 249)**

ISO/DIS 7177, Traditional Chinese Medicine - Coptis chinensis and Coptis japonica rhizome - 5/21/2022, $62.00

**Transport information and control systems (TC 204)**

ISO/DIS 20530-2, Intelligent transport systems - Information for emergency service support for nomadic and mobile devices - Part 2: Service requirements for vehicle incident notification - 10/7/2022, $62.00

**Tyres, rims and valves (TC 31)**

ISO/FDIS 21634, Rubber flaps for tyres - Technical requirements and test methods - 11/6/2021, $62.00

ISO/FDIS 3739-1, Industrial tyres and rims - Part 1: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims - Designation, dimensions and marking - 10/30/2021, $62.00

**Welding and allied processes (TC 44)**

ISO/FDIS 15615, Gas welding equipment - Acetylene manifold systems for welding, cutting and allied processes - Safety requirements in high-pressure devices - 11/7/2021, $67.00

**Wood-based panels (TC 89)**

ISO 12460-3:2020/DAmd 1, - Amendment 1: Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method - Amendment 1: Laser spectroscopy - 10/6/2022, $33.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC FDIS 27005, Information security, cybersecurity and privacy protection - Guidance on managing information security risks - 9/9/2021, $134.00

ISO/IEC DIS 4396-7, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 7: Flow allocator protocol - 5/26/2022, $58.00

ISO/IEC DIS 22123-3, Information technology - Cloud computing - Part 3: Reference architecture - 10/8/2022, $119.00

ISO/IEC FDIS 27553-1, Information security, cybersecurity and privacy protection - Security and Privacy requirements for authentication using biometrics on mobile devices - Part 1: Local modes - 11/5/2021, $98.00

ISO/IEC DIS 15938-18, Information technology - Multimedia content description interface - Part 18: Conformance and reference software for compression of neural networks - 5/26/2022, $82.00

ISO/IEC FDIS 23090-16, Information technology - Coded representation of immersive media - Part 16: Reference software for versatile video coding - 5/10/2021, $29.00

# IEC Standards

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Reference, Title, ng date/Clos

29/1126(F)/FDIS, IEC 60118-0 ED4: Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids, 08/05/2022

56/1962/CD, IEC 60300-3-10 ED2: Dependability management - Part 3-10: Application guide - Maintainability and maintenance, 09/09/2022

48B/2976/FDIS, IEC 60512-27-200 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, 08/26/2022

104/940/CD, IEC 60721-3-9 ED2: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 9: Microclimates inside products, 09/09/2022

86A/2214/CDV, IEC 60794-1-306 ED1: Optical fibre cables - Part 1-306: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon torsion, Method G6, 10/07/2022

86A/2215/CDV, IEC 60794-1-308 ED1: Optical fibre cables - Part 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon residual twist test, G8, 10/07/2022

20/2043/CD, IEC 60811-201/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 10/07/2022

20/2044/CD, IEC 60811-202/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 10/07/2022

20/2045/CD, IEC 60811-503/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, 10/07/2022

20/2046/CD, IEC 60811-508/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 10/07/2022

86A/2223/CD, IEC 60974-1-111 ED1: Optical fibre cables - Part 1-111: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Bend, method E11, 10/07/2022

121A/505/CDV, IEC 61095 ED3: Electromechanical contactors for household and similar purposes, 10/07/2022

62B/1283/CDV, IEC 61223-3-8 ED1: Evaluation and routine testing in medical imaging departments - Part 3-8: Acceptance and constancy tests - Imaging performance of X-ray equipment for radiography and radioscopy, 10/07/2022

86B/4641/FDIS, IEC 61300-2-5 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion, 08/26/2022

9/2862/CD, IEC 61373 ED3: Railway applications - Rolling stock equipment - Shock and vibration tests, 10/07/2022

121B/159/CDV, IEC 61439-3 ED2: Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO), 10/07/2022

86B/4642/FDIS, IEC 61755-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 1: Optical interfaces for dispersion unshifted fibres - General and guidance, 08/26/2022

86B/4640/FDIS, IEC 61755-2-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-2: Connection parameters of dispersion unshifted physically contacting fibres - Angled, 08/26/2022

47F/413/CD, IEC 62047-44 ED1: Semiconductor devices - Micro-electromechanical devices - Part 44: Test methods for dynamic performances of MEMS resonant electric-field-sensitive devices, 09/09/2022

47F/410/CD, IEC 62047-45 ED1: Semiconductor devices - Micro-electromechanical devices - Part 45: Silicon based MEMS fabrication technology - Measurement method of impact resistance of nanostructures, 09/09/2022

47F/411/CD, IEC 62047-46 ED1: Semiconductor devices - Micro-electromechanical devices - Part 46: Silicon based MEMS fabrication technology - Measurement method of tensile strength of nanoscale membrane, 09/09/2022

47F/412/CD, IEC 62047-47 ED1: Semiconductor devices - Micro-electromechanical devices - Part 47: Silicon based MEMS fabrication technology - Measurement method of bending strength of microstructures, 09/09/2022

105/916/CDV, IEC 62282-8-301 ED1: Fuel cell technologies - Part 8-301: Energy storage systems using fuel cell modules in reverse mode - Power to methane energy systems based on solid oxide cells including reversible operation - Performance test methods, 10/07/2022

65E/929/CD, IEC 62381 ED3: Automation systems in the process industry - Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT), 10/07/2022

65E/930/CD, IEC 62382 ED3: Control systems in the process industry - Electrical and instrumentation loop check, 10/07/2022

9/2863/CD, IEC 62590-2-1 ED1: Railway applications - Fixed installations - Electronic power converters - Part 2-1: DC Traction Applications - Diode rectifiers, 10/07/2022

78/1397(F)/FDIS, IEC 62819 ED1: Live working - Eye, face and head protectors against the effects of electric arc - Performance requirements and test methods, 08/12/2022

116/622/FDIS, IEC 62841-4-6 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums, 08/26/2022

100/3798(F)/FDIS, IEC 63207 ED1: Measurement methods of blue light characteristics and related optical performance for visual display terminals, 08/19/2022

82/2060/CDV, IEC 63257 ED1: Power line communication for DC shutdown equipment - Communication signal, physical layer, 10/07/2022

34A/2291/FDIS, IEC 63286 ED1: Flexible organic light emitting diode (OLED) panels for general lighting - Performance requirements, 08/26/2022

110/1445/DTR, IEC TR 62595-1-5 ED1: Display lighting unit - Part 1-5: Electrical signal interface of LED BLU, 09/09/2022

JTC1-SC41/297/DTR, ISO/IEC TR 30172 ED1: Digital Twin - Use cases, 09/09/2022

31/1635/NP, PNW 31-1635 ED1: EXPLOSIVE ATMOSHPERES - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 10/07/2022

48B/2978/NP, PNW 48B-2978 ED1: CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT PRODUCT REQUIREMENTS Part 61076 8 XXX: Power connectors Detail specification for 2P power plus 2P signal plastic housing rectangular shielded connectors with 300A rated current and IP68/IPXXB degree of protection, 10/07/2022

48B/2979/NP, PNW 48B-2979 ED1: Connectors for electrical and electronic equipment - Product requirements Part 8-XXX: Power connectors- Detail specification for 3-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 20A, 10/07/2022

48B/2980/NP, PNW 48B-2980 ED1: Connectors for electrical and electronic equipment - Product requirements Part 8-XXX: Power connectors - Detail specification for 2-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 50 A, 10/07/2022

81/708/NP, PNW 81-708 ED1: Lightning protection system components (LPSC) - Part 9 Requirements for components for protection against dangerous touch voltage, 10/07/2022

91/1803/NP, PNW 91-1803 ED1: Materials for printed boards and other interconnecting structures - Part 2-XXX: Reinforced base materials clad and unclad-Thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad, 10/07/2022

JTC1-SC41/298/NP, PNW JTC1-SC41-298 ED1: Digital twin - Maturity model and guidance for a maturity assessment, 10/07/2022

# Newly Published ISO & IEC Standards

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

## ISO Standards

### Biotechnology (TC 276)

ISO 5058-1:2021/Amd 1:2022, Biotechnology - Genome editing - Part 1: Vocabulary - Amendment 1, $20.00

ISO 24088-1:2022, Biotechnology - Biobanking of microorganisms - Part 1: Bacteria and archaea, $111.00

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

ISO 9735-10:2022, Electronic data interchange for administration, commerce and transport (EDIFACT) - Application level syntax rules - Part 10: Syntax service directories (Syntax version number: 4, Syntax release number: 3), $225.00

### Facilities management (TC 267)

ISO 41018:2022, Facility management - Development of a facility management policy, $111.00

### Fisheries and aquaculture (TC 234)

ISO 5020:2022, Waste reduction and treatment on fishing vessels, $73.00

### Fluid power systems (TC 131)

ISO 15086-3:2022, Hydraulic fluid power - Determination of the fluid-borne noise characteristics of components and systems - Part 3: Measurement of hydraulic impedance, $149.00

### Internal combustion engines (TC 70)

ISO 7967-11:2022, Reciprocating internal combustion engines - Vocabulary of components and systems - Part 11: Liquid fuel systems, $48.00

### Iron ores (TC 102)

ISO 21826-1:2022, Iron ores - Determination of total iron content using the EDTA photometric titration method - Part 1: Microwave digestion method, $149.00

### Metallic and other inorganic coatings (TC 107)

ISO 24688:2022, Determination of modulation period of nano-multilayer coatings by low-angle X-ray methods, $73.00

### Other

IWA 39:2022, $175.00

### Paper, board and pulps (TC 6)

ISO 5631-1:2022, Paper and board - Determination of colour by diffuse reflectance - Part 1: Indoor daylight conditions (C/2°), $111.00

ISO 5631-2:2022, Paper and board - Determination of colour by diffuse reflectance - Part 2: Outdoor daylight conditions (D65/10°), $73.00

ISO 5631-3:2022, Paper and board - Determination of colour by diffuse reflectance - Part 3: Indoor illumination conditions (D50/2°), $73.00

### Personal safety - Protective clothing and equipment (TC 94)

ISO 21420:2020/Amd 1:2022, - Amendment 1: Protective gloves - General requirements and test methods - Amendment 1, $20.00

### Plastics (TC 61)

ISO 11403-2:2022, Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties, $73.00

### Rubber and rubber products (TC 45)

ISO 24329:2022, Low-protein natural rubber latex concentrate - Specification, $48.00

ISO 22762-6:2022, Elastomeric seismic-protection isolators - Part 6: High-durability and high-performance specifications and test methods, $200.00

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

ISO 20342-1:2022, Assistive products for tissue integrity when lying down - Part 1: General requirements, $200.00

**Transport information and control systems (TC 204)**

ISO 13111-2:2022, Intelligent transport systems (ITS) - The use of personal ITS stations to support ITS service provision for travellers - Part 2: General requirements for data exchange between ITS stations, $225.00

ISO 17572-1:2022, Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 1: General requirements and conceptual model, $149.00

**Welding and allied processes (TC 44)**

ISO 17636-1:2022, Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film, $200.00

## ISO Technical Specifications

**Biotechnology (TC 276)**

ISO/TS 22859:2022, Biotechnology - Biobanking - Requirements for human mesenchymal stromal cells derived from umbilical cord tissue, $175.00

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

ISO/TS 10839:2022, Polyethylene pipes and fittings for the supply of gaseous fuels - Code of practice for design, handling and installation, $175.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 22989:2022, Information technology - Artificial intelligence - Artificial intelligence concepts and terminology, $225.00

ISO/IEC TS 5723:2022, Trustworthiness - Vocabulary, $48.00

# IEC Standards

**Alarm systems (TC 79)**

IEC 62676-2-33 Ed. 1.0 b:2022, Video surveillance systems for use in security applications - Part 2-33: Video transmission protocols - Cloud uplink and remote management system access, $183.00

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

IEC 62394 Ed. 4.0 en:2022, Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET, $443.00

**Capacitors and resistors for electronic equipment (TC 40)**

IEC 60384-1-1 Ed. 1.0 b:2022, Fixed capacitors for use in electronic equipment - Part 1-1: Generic blank detail specification, $183.00

**Flat Panel Display Devices (TC 110)**

IEC 63145-1-2 Ed. 1.0 en:2022, Eyewear display - Part 1-2: Generic - Terminology, $133.00

**Laser equipment (TC 76)**

IEC 60825-4 Ed. 3.0 b:2022, Safety of laser products - Part 4: Laser guards, $392.00

S+ IEC 60825-4 Ed. 3.0 en:2022 (Redline version), Safety of laser products - Part 4: Laser guards, $510.00

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

IEC 62841-4-7 Ed. 1.0 b:2022, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators, $417.00

**Steam turbines (TC 5)**

IEC 60953-3 Ed. 2.0 b:2022, Rules for steam turbine thermal acceptance tests - Part 3: Thermal performance verification tests of retrofitted steam turbines, $417.00

**Switchgear and controlgear (TC 17)**

IEC 62271-4 Ed. 2.0 b:2022, High-voltage switchgear and controlgear - Part 4: Handling procedures for gases for insulation and/or switching, $443.00

## IEC Technical Reports

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

IEC/TR 62131-8 Ed. 1.0 en:2022, Environmental conditions - Vibration and shock of electrotechnical equipment - Part 8: Transportation by ship, $354.00

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

IEC/TR 61439-0 Ed. 3.0 b:2022, Low-voltage switchgear and controlgear assemblies- Part 0: Guidance to specifying assemblies, $392.00

## IEC Technical Specifications

### Solar photovoltaic energy systems (TC 82)

IEC/TS 63342 Ed. 1.0 en:2022, C-Si photovoltaic (PV) modules - Light and elevated temperature induced degradation (LETID) test - Detection, $89.00

# 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, regulatory agencies and standards developing organizations 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 proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at: https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

**BSR/ASHRAE Addendum ah**
**to ANSI/ASHRAE Standard 34-2019**

## Public Review Draft

# Proposed Addendum ah to Standard 34-2019, Designation and Safety Classification of Refrigerants

**First Public Review (July 2022)**
**(Draft shows Proposed Changes to Current Standard)**

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

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

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# FOREWORD

*This proposed addendum revises the composition tolerances for components of refrigerant blends.*

***Note:*** 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 ah to Standard 34-2019

***Modify Section 4 as follows. The remainder of Section 4 remains unchanged.***

## 4. NUMBERING OF REFRIGERANTS

[ … ]

**4.4.2 Composition Tolerances.** Blends shall have tolerances specified for individual components. Those tolerances shall be specified to the nearest 0.1% m/m. The maximum tolerance above or below the nominal shall not exceed 2.0% m/m. ~~The tolerance above or below the nominal shall not be less than 0.1% m/m.~~

The minimum tolerance above or below the nominal shall be:

a. 0.1% m/m for component, x, with concentration: $0.6\% \leq x \leq 16.6\%$ or $83.4\% \leq x \leq 99.4\%$

b. 0.2% m/m for component, x, with concentration: $16.7\% \leq x \leq 33.3\%$ or $66.7\% \leq x \leq 83.3\%$

c. 0.3% m/m for component, x, with concentration: $33.4\% \leq x \leq 66.6\%$

The difference between the highest and the lowest tolerances shall not exceed one-half of the nominal component composition.

***Informative Note:*** Refer to Informative Appendix J, "Examples of Minimum Composition Tolerance," for examples.

[ … ]

***Add new Informative Appendix J as shown.***

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

## INFORMATIVE APPENDIX J—EXAMPLES OF MINIMUM COMPOSITION TOLERANCE

Section 4.4.2, "Composition Tolerances," requires that blend components have adjusted minimum tolerances based on the concentration in the blend. This is to maintain the integrity of the blend classification of the standard and to ensure that blends meet the stated tolerances. A reasonable estimate of measurement uncertainty by gas chromatography is ±0.25% of the reported value. Therefore, the minimum tolerance was determined to be 0.6% of the nominal concentration and rounded to the closest 0.1% m/m. This informative appendix provides examples to help visualize and clarify this requirement.

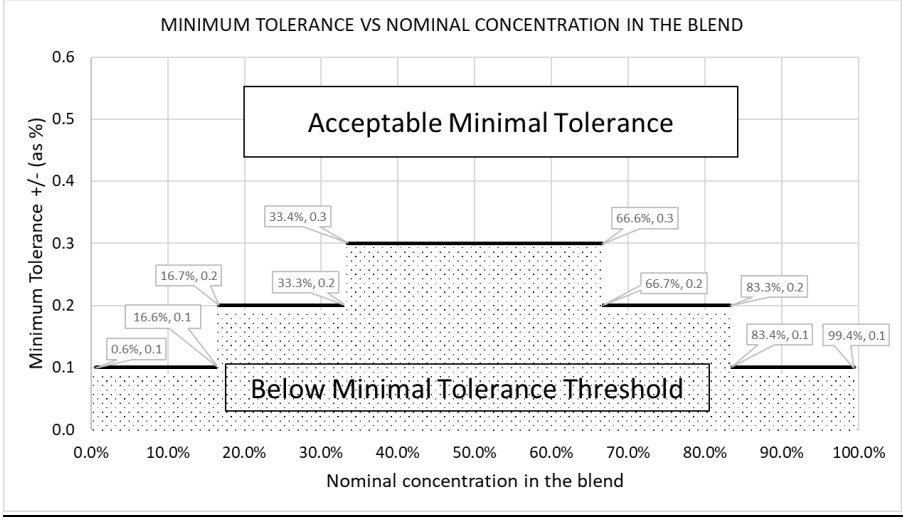


**Figure J-1 Component minimum tolerance with respect to nominal concentration in the blend**

Table J-1, "Tolerance of Refrigerant X," lists an example of ternary blend, refrigerant X, with proposed tolerances that do not meet the requirements of Section 4.4.2, Composition Tolerances." Note that Components A and C must have a minimum tolerance of 0.3% m/m; therefore, the proposed tolerance for Component A is unacceptable. Component B meets the minimum tolerance of 0.1% m/m; however, it must be defined in increments of 0.1% m/m.

**Table J-1 Tolerance of Refrigerant X**

| Refrigerant X | Concentration (mass %) | Tolerance |
|---|---|---|
| Component A | 40% | +0.2/–0.5 |
| Component B | 10% | +0.15/–0.15 |
| Component C | 50% | +0.5/–2.0 |

Table J-2, "Examples of Minimum Acceptable Tolerances," lists two additional examples, R-451A and R-410A. All components of the two blends have composition tolerances that meet the minimum acceptable tolerances.

**Table J-2 Examples of Minimum Acceptable Tolerances**

| Refrigerant | Composition (mass %) | Composition Tolerances | Minimum Acceptable Tolerances |
|---|---|---|---|
| R-451A | R-1234yf/134a (89.8/10.2) | (±0.2/±0.2) | (+0.1,–0.1/+0.1,–0.1) |
| R-410A | R-32/125 (50.0/50.0) | (+0.5,–1.5/+1.5,–0.5) | (+0.3,–0.3/+0.3,–0.3) |

**BSR/ASHRAE/ASHE Addendum d**
**to ANSI/ASHRAE/ASHE Standard 189.3-2021**

**Public Review Draft**

# Proposed Addendum d to Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities

**First Public Review (July 2022)**
**(Draft shows Proposed Changes to Current Standard)**

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

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

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# FOREWORD

*Addendum d to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020 adds an exception to reference to ANSI/ASHRAE/ASHE Standard 189.3, Section 6.3.1.1, "Irrigation Limitations" for healing gardens and outdoor therapy or rehabilitation areas that provide physical or mental therapy. This addresses the clinical benefit outdoor areas can provide in the clinical process. This allows high performance healthcare facilities to irrigate these areas maintaining their function with increased traffic and use. Section 12, "Normative References" is revised to reference the most current edition of ANSI/ASHRAE/ASHE Standard 170, "Ventilation of Health Care Facilities."*

***Note:*** 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 d to Standard 189.3-2021**

***Modify Section 3.2 as shown. The remainder of Section 3 is unchanged.***

## 3. DEFINITIONS, ABBREVIATIONS, AND ACRONYMS

### 3.2 Definitions

[ … ]

***healing garden:*** an outdoor garden or green space that has been specifically designed to meet the physical, psychological, social, and spiritual needs of the people using the garden as well as their caregivers, family members, and friends with the intent to provide an improvement in overall well-being.

[ … ]

***outdoor therapy area:*** an outdoor space designed to provide physical and/or occupational therapy by mimicking the physical challenges and obstacles present in everyday life.

[ … ]

***Add new Section 6.3.1.1 as shown. The remainder of Section 6 is unchanged.***

## 6. WATER USE EFFICIENCY

[ … ]

### 6.3 Mandatory Provisions

[ … ]

**6.3.1.1 Irrigation Limitations.** Not more than 40% of the improved landscape area shall be irrigated.

**Exception to 6.3.1.1:**

1. [189.3] Healing gardens and outdoor therapy areas or rehabilitation areas.

***Modify Section 12 as shown. The remainder of Section 12 is unchanged.***

## 12. [189.3] NORMATIVE REFERENCES

Section numbers indicate where the reference occurs in the document.

[ … ]

| Reference | Title | Section |
|---|---|---|
| | [ … ] | |
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| | [ … ] | |
| ANSI/ASHRAE/ASHE Standard 170-2021 ~~2017~~ | Ventilation of Health Care Facilities | 7.4.3, Exceptions to 7.4.3.5 and 7.4.3.7, 8.3.1, Exception to 8.3.1.4.1, 8.4.2.1.1, 8.4.2.2.1, 8.4.2.3.1, 8.4.2.5.2.1, 8.4.2.6.1, 10.4.1 |

[ … ]

**BSR/ASHRAE/IES Addendum i**
**to ANSI/ASHRAE/IES Standard 100-2018**

**First Public Review Draft**

# Proposed Addendum i to Standard 100-2018, Energy Efficiency in Existing Buildings

**First Public Review (July 2022)**
**(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed draft, 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 or guideline may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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# FOREWORD

*This proposed addendum revises the Title, Purpose, and Scope to include carbon emission performance requirements in Standard 100.*

***Note:*** 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 i to Standard 100-2018

***Modify Title, Purpose, and Scope as follows.***

### TITLE: ENERGY AND EMISSIONS BUILDING PERFORMANCE STANDARD ~~EFFICIENCY IN EXISTING BUILDINGS~~

### 1. PURPOSE

**1.1** This standard establishes *building* carbon emissions and energy consumption performance levels for existing *buildings*. This standard provides compliance requirements ~~criteria~~ that will result in reduced carbon emissions and energy consumption through improved energy efficiency ~~and performance in~~ of existing *buildings*

**1.2** This standard is directed toward:

a. setting emissions performance targets based on energy and greenhouse gas (GHG) emissions,

b. requiring progressively improved performance targets to accommodate capital planning and end of life equipment modifications,

c. providing a technical basis for jurisdictions to set *building* performance standards,

d. providing procedures and programs essential to energy efficient operation, maintenance, management, and monitoring,

e. increasing the energy efficiency of the energy-using systems and components, and

f. upgrading the thermal performance of the *building* envelope.

### 2. SCOPE

This standard applies to existing *buildings*, portions of *buildings*, and *building complexes*, including the envelope and all systems in the *building*. This standard excludes industrial and agricultural processes in *buildings* for which the energy consumption and emissions targets do not include those processes.

# CSA B45.5-~~17~~XX/IAPMO Z124-~~2017~~20XX

**DRAFT**

*Standard for*

# Plastic Plumbing Fixtures

**ANSI PUBLIC REVIEW**

**4.4.1.2 Shower bases**

Shower bases intended for installation against and securing to a wall shall incorporate a continuously raised flange at least 25 mm (1.0 in) above the threshold, (see Figure 8), and comply with Clauses 4.4.1.3 to 4.4.1.5.

**4.4.1.3** The flange shall be

(a) integral with the bathtub or shower base; or

(b) added to an island tub or shower base in the factory; or

(c) field-installed using a flange kit that complies with Clause 5.17 and includes all necessary parts and fasteners.

**4.4.1.4** Bathtubs and shower bases using field-installed flanges shall be marked in accordance with Clause 6.3.

**4.4.1.5** The bottom of any hole in the flange or corner treatment shall be not less than 8 mm (0.3 in) above the rim.

**4.4.2 Slope to the waste outlet**

Bathtubs and shower bases shall have a maximum slope of 4% to the waste outlet.

**Note:** *There should be a minimum slope of 1% to the waste outlet.*

~~**4.4.3 Shower base thresholds**~~

~~Except for accessible designs, when provided, shower base thresholds shall be at least 50 mm (2 in) above the top of the waste outlet, as shown in Figure~~ **Error! Hyperlink reference not valid.**~~.~~

**4.4.4 Shower base thresholds**

Except for accessible designs, when provided shower base thresholds shall be at least 50 mm (2 in~~ch~~) above the top of the waste outlet, as shown in Figure 8.

**4.4.4 Diameter, Spacing, and Grippable Length of Grab Bars**

Grab bars intended for residential and commercial installations shall have a

(a) diameter of between 22 and 40 mm (0.9 and 1.6 in) or an equivalent cross-sectional area;

(b) minimum spacing of 38 mm (1.5 in) between the finished wall and the inside grippable surface of the grab bar; and

(c) minimum grippable length of

(i) 228 mm (9.0 in), for bars mounted horizontally (see Figure 18(a)); and

(ii) 152 mm (6.0 in), for bars mounted vertically (see Figure 18(b)).

**4.4.5 Bathtubs with Pressure Sealed Doors**

Bathtubs with pressure sealed doors shall comply with ASME A112.19.15.

**4.4.6 Supply fittings**

Factory-supplied supply fittings shall comply with ASME A112.18.1/CSA B125.1.

**4.5 Water Closets**

**4.5.1 General**

In addition to the applicable requirements in this Standard, water closets and their flushing devices shall comply with the applicable requirements of ASME A112.19.2/CSA B45.1, except that the structural integrity tests for floor-mounted water closets shall be conducted in accordance with Clause 5.8.8.

**Table 2**
**Scrub Cycles**
(See Clauses 5.12.1.3.2 and 5.12.3.)

| Fixture | Cycles |
|---|---|
| Bathtub | 10 000 |
| Laundry sink | 10 000 |
| Lavatory | 12 000 |
| Shower stalls and shower bases | 7 600 |
| All other~~Kitchen S~~ sinks | 20 000 |
| Water closet and urinal | 10 000 |

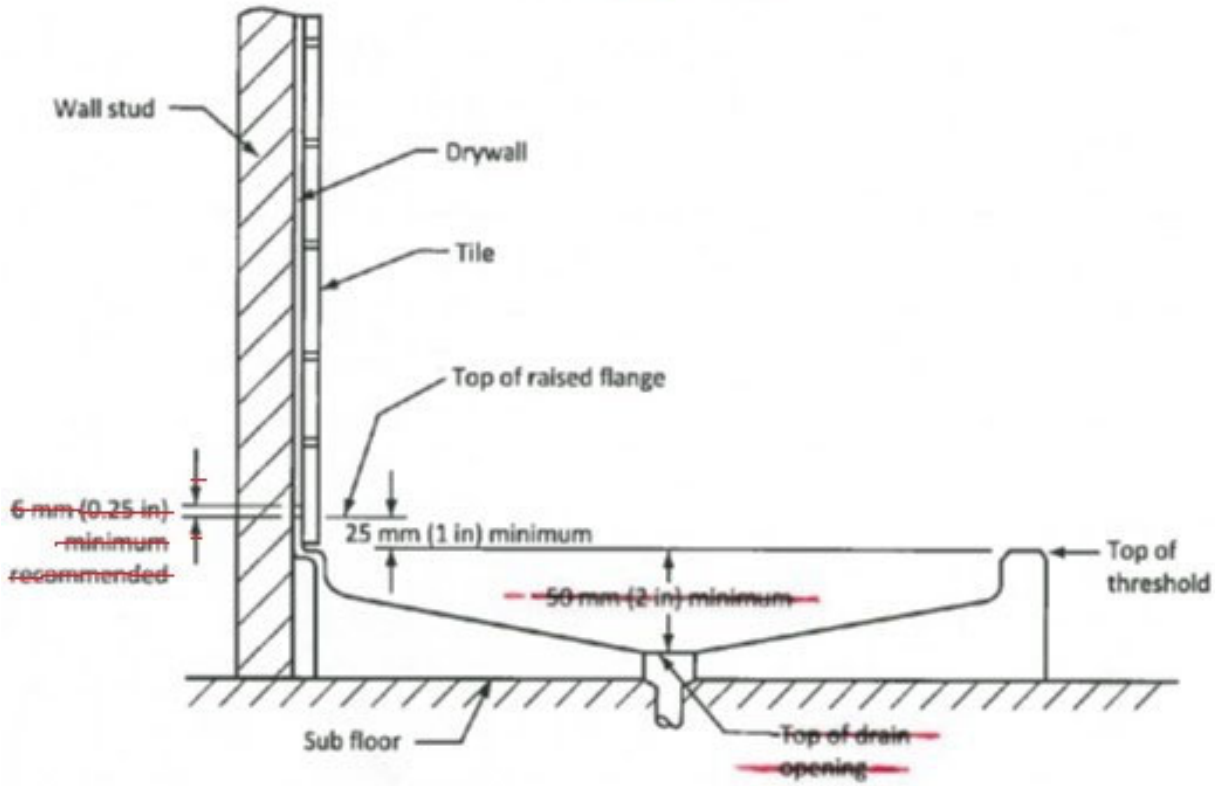
**Table 3**
**Brush Switching Schedule for Scrub Test**
(See Clause 5.12.1.3.2.)

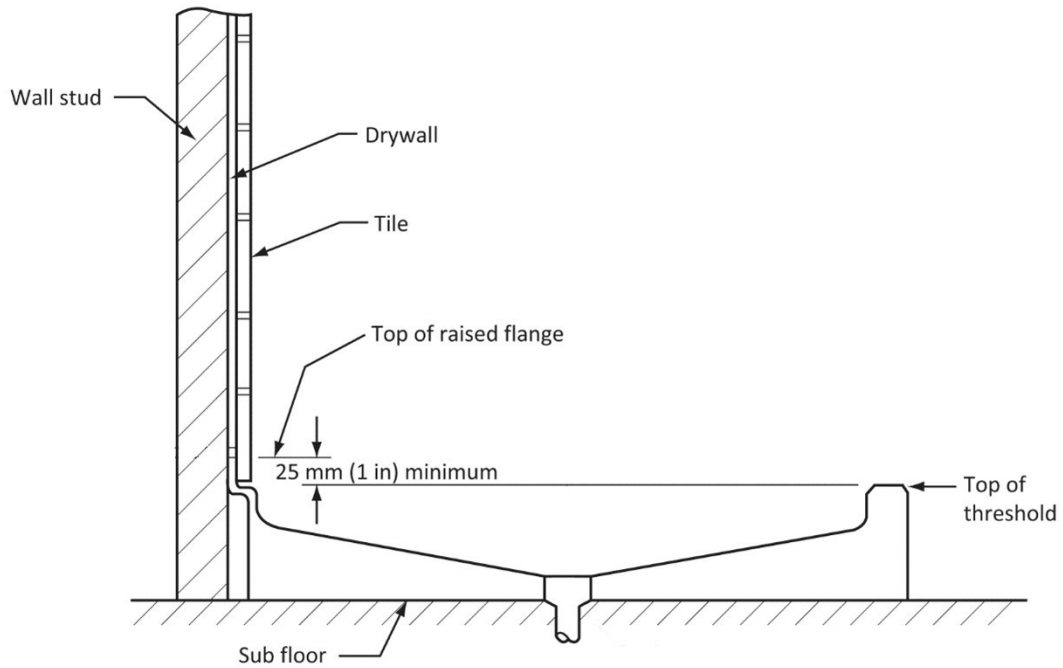
| | Lane number | | | |
|---|---|---|---|---|
| **Cycle interval** | **1** | **2** | **3** | **4** |
| 0–25% brush numbers | 1 | 2 | 3 | 4 |
| 25–50% brush numbers | 4 | 1 | 2 | 3 |
| 50–75% brush numbers | 3 | 4 | 1 | 2 |
| 75–100% brush numbers | 2 | 3 | 4 | 1 |

**Table 4**
**Thermal Shock Resistance Test**
(See Clause **Error! Hyperlink reference not valid.**5.15.2.)

| | | Temperature, °C (°F) | |
|---|---|---|---|
| **Fixture** | **Cycles** | **Hot water** | **Cold water** |
| Bathtub and shower base | 250 | 66 ± 2 (150 ± 4) | 10 ± 2 (50 ± 4) |
| Kitchen sink | 250 | 88 ± 2 (190 ± 4) | 21 ± 2 (70 ± 4) |
| Lavatory~~ or~~ ,bar, laundry, service, ~~or~~ and utility sink | 500 | 66 ± 2 (150 ± 4) | 10 ± 2 (50 ± 4) |

**Figure 8**
**Shower base ~~thresholds~~**
(See Clauses 4.4.1 ~~and 4.4.3.~~)



May 5, 2022

# LS-1 photobiology terms: proposed changes, deletions, and additions

***[Nomenclature Committee members: The proposed edits shown below in Track Changes (red) require your approval. Some other terms are included just for context with the changed terms.]***

## I. Existing terms and definitions to be modified or deleted:

*6.1.7 ultraviolet lamp*

A lamp that emits a significant portion of its radiative power in the ultraviolet (UV) part of the spectrum; the visible radiation is not of principal interest.

*6.1.7.1 ~~bactericidal~~ ultraviolet germicidal lamp*

An ultraviolet (UV) lamp that ~~emits a significant portion of it as radiative power in the UV-C band (100 to 280 nm)~~ is used for inactivation of pathogens by direct radiation.

~~*6.1.7.2 sun lamp*~~

~~An ultraviolet (UV) lamp that radiates a significant portion of its radiative power in the UV-B band (280 to 315 nm).~~

*6.1.7.3 tanning lamp*

An ultraviolet (UV) lamp that emits a significant portion of its radiative power in the UV-A band (315 to 400 nm) and/or UV-B band (280 to 315 nm).

*6.1.7.4 blacklight lamp*

An ultraviolet (UV) lamp that emits a significant portion of its radiative power in the UV-A band (315 to 400 nm).

*6.5.6 low pressure mercury lamp*

~~*6.5.6.2 fluorescent lamp*~~

*6.5.6.2 low-pressure mercury germicidal lamp*

A low-pressure mercury lamp in which the envelope has high transmittance for 254-nm radiation (see **Section 6.1.7.1**).

DRAFT NOT APPROVED

*12.1.3 ~~bactericidal~~ germicidal functions*

Strictly, those functions relating to ~~destruction~~ inactivation of ~~bacteria~~ pathogens, including~~. The general term for destroying~~ bacteria, fungi, protozoa, and viruses ~~is *germicidal*~~.

~~*Note:* In relation to ultraviolet radiation, it has been common to speak of bactericidal instead of germicidal action. This has not commonly been a problem because the germicidal action spectrum is similar for all three. Starting with the 2005 revision of this document, *germicidal* will be used consistently unless *bactericidal* is specifically intended.~~

~~*12.1.3.1 bactericidal radiation*~~

~~Optical radiation capable of killing or inactivating bacteria.~~

*12.1.3.2 germicidal radiation*

Optical radiation capable of ~~killing microorganisms~~ inactivating pathogens.

*12.1.3.3 germicidal effectiveness*

The capacity of ~~various portions of the ultraviolet spectrum~~ optical radiation to ~~destroy~~ inactivate bacteria, fungi, protozoa, and/or viruses.

*12.1.3.4 germicidal action spectrum*

The ~~relative spectral~~ effectiveness ~~in~~ of optical radiation as a function of wavelength to ~~producing germicidal action~~inactivate a particular type of pathogen to a specified criterion level under a given set of conditions.

~~*Note:* Tentative germicidal efficiency of various wavelengths of radiant flux is given in **Table T-8**.~~

*12.1.3.5 germicidal flux*

Radiant power evaluated according to its capacity to produce germicidal effects; i.e., in accordance with the germicidal effectiveness of the flux. Unit: W.

(See also *germicidal action spectrum*.)

*Note:* Because of the ubiquitous low-pressure mercury germicidal lamp whose principal radiation in the germicidal band is at 253.7 nm, 253.7-nm flux often is described as *germicidal flux*. This should not be confused with the term as defined here, because it has not been weighted in accordance with the germicidal action spectrum.

*12.1.3.6 germicidal flux density*

*Germicidal flux* per unit area. Unit: $W/m^2$.

*12.1.3.7 germicidal dose*

Time integrated *germicidal flux density*. Unit: $J/m^2$.

DRAFT NOT APPROVED

May 5, 2022

~~*Note: Germicidal exposure* is an obsolete term (retained for reference purposes only) for *germicidal dose*.~~

*12.1.4 black light*

The ~~popular~~ lay term for ultraviolet energy near the visible spectrum, typically in the range of 340 to 400 nm.

*Note:* For engineering purposes, the wavelength range 320 to 400 nm has been found useful for rating lamps and their effectiveness upon fluorescent materials (excluding phosphors used in fluorescent lamps). ~~By confining black light applications to this region, germicidal and erythemal effects are, for practical purposes, eliminated.~~

## 12.5 action spectrum

~~The quantitative actinic response of a chemical or biological substance or living organism as a function of an appropriate spectral parameter, such as wavelength or photon energy.~~ A function representing the relative spectral effectiveness of optical radiation, for a specified biological effect, in a specified system.

~~**Table T-8. Tentative Bactericidal Efficiency of Ultraviolet Radiation**~~

| Wavelength (nanometers) | Tentative Bactericidal Efficiency |
|---|---|
| *235.3 | 0.35 |
| 240.0 | .... |
| *244.6 | 0.58 |
| *248.2 | 0.70 |
| 250.0 | .... |
| | |
| *253.7 | 0.85 |
| *257.6 | 0.94 |
| 260.0 | .... |
| 265.0 | 1.00 |
| *265.4 | 0.99 |
| | |
| *267.5 | 0.98 |
| *270.0 | 0.95 |
| *275.3 | 0.81 |
| *280.4 | 0.68 |
| 285.0 | .... |
| | |
| *285.7 | 0.55 |
| *289.4 | 0.46 |
| 290.0 | .... |
| *292.5 | 0.38 |
| 295.0 | .... |
| | |
| *296.7 | 0.27 |
| 300.0 | .... |
| *302.2 | 0.13 |
| 305.0 | .... |
| 310.0 | .... |
| | |
| *313.0 | 0.01 |
| 315.0 | .... |
| 320.0 | .... |
| 325.0 | .... |
| 330.0 | .... |

~~* Emission lines in the mercury spectrum; other values interpolated.~~

DRAFT NOT APPROVED

## II. Proposed new terms

**excimer lamp**

A discharge source of primarily ultraviolet radiation produced by excited dimer[i] ("excimer") molecules as they transition to their ground state.

*Notes:*

1. The wavelength of UV radiation emitted depends on the type of noble gas, which is, depending on the type of source, combined with a halogen gas.
~~1.~~2. One example is the Krypton-chloride excimer (chemical symbol: KrCl*) lamp~~s~~, which emits primarily around ~~at~~ 222 nm, with lesser emissions at longer UV wavelengths. (The asterisk in the symbol indicates that the molecule is an excimer.)

**radiant exposure**

The time-integrated irradiance at a surface. Units: Joules per square meter ($J/m^2$) or millijoules per square centimeter ($mJ/cm^2$).

**radiant exposure rate**

Irradiance at a surface. Units: Watts per square meter ($W/m^2$).

**ultraviolet germicidal irradiation (UVGI)**

The use of ultraviolet radiant energy to inactivate bacteria, mold spores, fungi, protozoa, or viruses.

[i] A dimer is a molecule or molecular complex consisting of two identical molecules linked together.

DRAFT NOT APPROVED

**Tracking #40i52r1 et al**
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**Multiple revisions: 40i52r1, 245i33r1, 350i75r1**

**Revision to NSF/ANSI 40-2020**
**Issue 52, Revision (July 2022)**

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

NSF/ANSI Standard
for Wastewater Technology –

# Residential Wastewater Treatment Systems

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●
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## 8 Performance testing and evaluation

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●
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### 8.2 Testing and evaluation conditions, hydraulic loading, and schedules

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●
●

#### 8.2.2.1 Design loading

The system shall be dosed 7 d/wk with a wastewater volume equivalent to the daily hydraulic capacity of the system. The following schedule shall be adhered to for dosing:

| Time frame | Rated daily hydraulic capacity (%) |
|---|---|
| 6:00 am to 9:00 am | approximately 35 |
| 11:00 am to 2:00 pm | approximately 25 |
| 5:00 pm to 8:00 pm | approximately 40 |

The individual dosage shall be no more than 10 gal per dose, unless the dosage system is based on a continuous flow and be uniformly applied over the dosing periods.

#### 8.2.2.2 Stress loading

~~Stress loading is designed to evaluate a system's performance under four non-ideal conditions. Systems shall be subjected to each stress condition once during the 6-mo testing and evaluation period, and each of the four stress conditions shall be separated by 7 d of design loading (see Section 8.2.2.1).~~

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Stress loading sequences shall begin in Week 17 ± 1 wk of the testing and will be completed in the order listed in the following sections. Each stress sequence shall be separated by 7 d of design loading, as described in Section 8.2.2.1.

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NSF/ANSI Standard
for Residential Wastewater Treatment Systems –

# Residential Wastewater Treatment Systems – Nitrogen Reduction

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## 8 Performance testing and evaluation

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### 8.2 Testing conditions, hydraulic loading, and schedules

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#### 8.2.2.1 Design loading

The system shall be dosed 7 d/wk with a wastewater volume equivalent to the daily hydraulic capacity of the system. The following schedule shall be adhered to for dosing:

| Time frame | Approximate % rated daily hydraulic capacity |
|---|---|
| 6 am to 9 am | 35 |
| 11 am to 2 pm | 25 |
| 5 pm to 8 pm | 40 |

An individual dose shall be no more than 10 gal (37.9 L), unless the dosage system is based on a continuous flow, and the doses shall be uniformly applied over the dosing period.

#### 8.2.2.2 Stress loading

Stress loading sequences shall begin in Week 17 +/- 1 week of the testing and will be completed in the order listed in the following sections. Each stress sequence shall be separated by 7 d of design loading, as described in Section 8.2.2.1.

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NSF/ANSI Standard
for Wastewater Technology –

# Onsite Residential and Commercial Water Reuse Treatment Systems

## 8 Performance testing and evaluation

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### 8.2.2 Testing and evaluation conditions, hydraulic loading, and schedules

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#### 8.2.2.2.1 Design loading

The system shall be dosed 7 d a week with wastewater volume equivalent to the daily hydraulic capacity of the system. The following schedule shall be adhered to for dosing:

| Time frame | Percent rated daily hydraulic capacity |
|---|---|
| 6:00 a.m. to 9:00 a.m. | approximately 35 |
| 11:00 a.m. to 2:00 p.m. | approximately 25 |
| 5:00 p.m. to 8:00 p.m. | approximately 40 |

The individual dosage shall be no more than 10 gal per dose, unless the dosage system is based on a continuous flow, and be uniformly applied over the dosing periods.

#### 8.2.2.2.2 Stress loading

Stress loading is designed to evaluate a system's performance under four non ideal conditions. Systems shall be subjected to each stress condition once during the 6 mo (26 wk [182 d]) testing and evaluation period, and each of the four stress conditions shall be separated by 1 wk (7 d) of design loading (see Section 8.2.2.2.1).

Stress loading sequences shall begin in Week 17 ± 1 wk of the testing and will be completed in the order listed in the following sections. Each stress sequence shall be separated by 7 d of design loading, as described in Section 8.2.2.2.1.

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

NSF/ANSI Standard
for Sustainability –

# Sustainability Assessment for Resilient Floor Coverings

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## 4.0 Conformance, evaluation, and assessment criteria

Compliance requires all Level 1 criteria to be met for a product to be Level 1 certified.

Level 2 compliance requires the following:

- Environmental Impacts: compliance with three (3) criteria chosen by organization seeking certification and/or product manufacturer.
- Health and Wellness Impacts: compliance with two (2) criteria chosen by organization seeking certification and/or product manufacturer.
- Social Impacts: compliance with three (3) criteria chosen by organization seeking certification and/or product manufacturer.
- Compliance with one (1) additional criteria from any impact category organization seeking certification and/or product manufacturer.

Additional Level 2 criteria met will demonstrate continuous improvement of resilient flooring product being certified by organization seeking certification and/or product manufacturer.

### 4.1 Elements

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**BSR/UL 217, Standard for Safety for Standard for Smoke Alarms**

**1. Alarm Silence Feature**

## PROPOSAL

**13 Alarm Silencing Feature**

13.1 Each smoke alarm shall be provided with an automatically resettable alarm silencing means that has a fixed or variable time setting which desensitizes the alarm for a maximum of 10 minutes. Alarm silencing shall not disable the smoke alarm. Sensitivity shall not be reduced to less than 125% of the manufacturer's minimum sensitivity setting test group as determined from the Uniformity of Operation minimum sensitivity defined in 42.6.1(b). Each alarm shall produce a distinctive audible or visible trouble signal while in the silence mode. Following the silenced period, the alarm shall restore automatically to its intended operation. Silencing of one alarm of a multiple station system shall not prevent an alarm operation from the other alarms in the system. See Section 40, Alarm Silenced Test.

NOTE: For example, a smoke alarm with a minimum sensitivity (smoke box sensitivity as specified in Section 42, Sensitivity Test) of 4 %/ft may have its sensitivity reduced to 5 %/ft during the alarm silence period.

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**BSR/UL 1981, Standard for Safety for Central-Station Automation Systems**

**1. WEB hosted central station solution**

**PROPOSAL**

**Functionality Requirements**

**6 Automation Access Security**

**6.1 External access**

6.1.1A If the automation system software provides capabilities for remote access from a point outside of the signal receiving center private corporate secure network it shall be through a secure, end-to-end connection that utilizes encryption.

6.1.1B Evidence of a certificate of compliance for the validation of approved communication and stored data security functions shall be provided by the automation system software manufacturer. The certificate of compliance shall be from the National Institute of Standards and Technologies (NIST) cryptographic algorithm validation program (CAVP) and shall be a current valid certificate for the security function used by the system and security function per Appendix C, Approved Security Functions for FIPS PUB 140-2, Security Requirements for Cryptographic Modules.

*Exception: When the central-station is not physically part of the WEB hosting datacenter, the requirements in Section 6.1A - 6.1B "remote access" shall refer to connection outside of the central-station's network and/or central-station VPN connection to the hosted application.*

**9 Equipment**

9.2 Computer systems shall be designated, by the manufacturer with the following minimum specifications:

a) Designed for continuous use, 24 hours per day, 7 days per week;

b) Be specified by the manufacturer as a "high-availability" system;

c) Have no less than two cooling fans;

d) Have no less than two power supplies, each of which can supply power for the entire system; and

e) Have no less than two network connections, each of which can service all the system's needs.

*Exception: Clause 9.2 shall not apply to the WEB Hosting Service company equipment when service company provides availability guarantees in the service contract.*

**PERFORMANCE**

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## 14 System Performance

### 14.2 Performance Monitoring

14.2.1 The amount of unused capacity of the central processing unit (CPU) and data storage systems for each computer and the bandwidth of networks shall be stored as a report. If the utilization exceeds 80% an audible and visual notice shall be annunciated in the operating room and the technical support staff shall be notified. The technical staff shall retain a record of the notice.

*Exception: Clause 14.2 shall not apply to the WEB Hosting Service company equipment when service company provides utilization guarantees in the service contract.*

## 16 Operation Test – Degraded Mode

16.1 Upon failure of the automation system - whether redundant or non-redundant - the required functions of the receivers connected to the automation system which may be suppressed shall:

a) Revert to their normal operation;

b) Automatically print all change-of-status signals and generate an audible signal under the degraded mode of operation; and

c) Not cause a loss of signal when the system enters the degraded mode of operation.

*Exception: Clause 16.1 shall not apply to a virtual receiver operating as part of the automation software in a WEB Hosting Service company environment.*

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