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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.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 006-202x, Best Practices Recommendation for DNA Analysis for Human Identification in Mass Fatality Incidents (new standard)

Stakeholders: Medicolegal authorities with responsibility for identifying decedents. Ancillary audiences include law enforcement agencies, crime laboratories, and emergency managers who may support this process

Project Need: This document is intended to be used as a primary source in the education of practitioners on the utilization of DNA technology as they manage or oversee operations following a mass fatality incident. This document also serves to inform and guide practitioners on the capabilities, potential limitations and advantages of emerging technologies which are not commonly utilized in daily medicolegal operations.

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

Scope: This document provides guidance to practitioners on the utilization of DNA technology in the identification of decedents. The document provides recommendations and guidance to jurisdictions on implementing an appropriate DNA sample collection and documentation strategy, and also provides an analysis plan to effectively contribute to the identification of decedents in a mass fatality incident.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC C-7-202x, Battery Switches for Use on Boats (revision of ANSI/ABYC C-7-2021)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: Address the safety related to battery switches used in DC electrical systems on boats.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance/Survey, Specialist Service, Specialist Misc., Government, Consumer.

Scope: This standard applies to the design, construction, testing, and operating characteristics of battery switches used on boats in electrical systems rated at 60 V nominal or less.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-11-202x, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2021)
Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

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

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance/Survey, Specialist Service, Specialist Misc., Government, Consumer.

Scope: This standard applies to alternating current (AC) electrical systems on boats operating at frequencies of 50 or 60 hertz and less than 300 V, including shore power systems up to the point of connection to the shore outlet and including the shore power cable and, direct current (DC)electrical systems on boats operating at 60 V nominal or less.

APCO (Association of Public-Safety Communications Officials-International)

Mindy Adams; apcostandards@apcointl.org | 351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org

Revision

BSR/APCO 3.103.3-202X, Core Competencies and Minimum Training Standards for Public Safety Telecommunicators (revision and redesignation of ANSI/APCO 3.103.2-2015)
Stakeholders: Emergency communications center personnel, including Public safety communication users, producers, and those with a general interest in the core competencies and minimum training standards for Public Safety Telecommunicators.

Project Need: This is a revision of the Minimum Training Standards for Public Safety Telecommunicators, ensuring the standard addresses the current training needs for new and veteran telecommunicators. This revision also addresses new and emerging operational issues affecting training needs of Public Safety Telecommunicators.

Interest Categories: Users, Producers, and General Interest.

Scope: This standard identifies the core competencies and minimum training standards for both new and veteran Public Safety Telecommunicators. This position is typically tasked with receiving, processing, transmitting, and conveying public safety information to other Telecommunicators, Law Enforcement, Fire Personnel, Emergency Medical Responders, and Emergency Management Personnel. This standard seeks to define training, knowledge, and skills agencies should provide to Public Safety Telecommunicators.

ASA (ASC S12) (Acoustical Society of America)

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

Revision

BSR S12.3-202x, Declaration of Product Noise Emission Values (revision of ANSI/ASA S12.3-1985 (R2020))
Stakeholders: Manufacturers of noise-making products and purchasers thereof, and associated industry groups and trade associations. Also, NGOs and other groups concerned about noise.

Project Need: Current ANSI S12.3 is over 35 years old and has essentially been obsolete by the recent publication of ANSI S12.61-2020 that gives specific requirements for declaration and verification of product noise levels. However, there is still a need for a "general" standard like ANSI S12.3 that leaves certain aspects optional, deferring to derivative standards, regulations, or other documents citing it to make these aspects mandatory if desired and applicable. Furthermore, although the original ANSI S12.3 included procedures and requirements for the verification of stated product noise levels, it is felt that this aspect--verification--is better left to derivative standards, regulations, private contracts, and other documents rather than attempting to define for all stakeholders the method for verifying product noise declarations in a consensus standard like ANSI S12.3. Thus, this new PINS is for (1) revising the (obsolescent) requirements for declaration and (2) eliminating the requirements and procedures for verification from the standard altogether.

Interest Categories: Users, Producers, Government, Trade Associations, General Interest.

Scope: This standard defines the preferred methods for determining and verifying noise emission values for machinery and equipment which are stated in product literature. This Standard gives general requirements and guidelines for how to properly and uniformly provide product noise level information to the public. It specifies the noise emission values to be declared for a batch of machines, equipment, or products; the method for determining the mean A-weighted sound power level; and the method for determining applicable standard deviations. This standard is applicable to commercially available products that emit noise.

ASABE (American Society of Agricultural and Biological Engineers)

Jean Walsh; walsh@asabe.org | 2950 Niles Road | Saint Joseph, MI 49085 https://www.asabe.org/

New Standard

BSR/ASABE D662 MonYear-202x, Moisture Relationship Equations and Moisture Based Calculations (new standard)
Stakeholders: Processors, equipment operators, researchers, students, scientists, and the general public.

Project Need: Moisture content is one of the central factors that influence the quality, processing, and storability of the commodity. The moisture of the products after several common operations, such as moisture addition, removal, and mixing, can be determined using moisture relations. Numerous moisture relations are possible based on different operations, and although these relations can be derived, there is no comprehensive collection of these relationships.

Interest Categories: Academia; General Interest; Government; Producer; Research.

Scope: This project will present a comprehensive list of moisture relationships along with worked examples and ready-to-use moisture calculators supporting the presented moisture relations.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.1-202x, Drawing Sheet Size and Format (revision of ANSI/ASME Y14.1-2020)
Stakeholders: Design and manufacturing, product development, (e.g., automotive, aerospace, medical, defense).

Project Need: Subcommittee is looking into adding material about elongated sheet sizes, along with interactive drawings, and 3D PDF examples.

Interest Categories: AD Distributor; AF General Interest, Educators, Technical society; AS Producer; AT Regulator/Government employee; AU Consultant; AW User.

Scope: This Standard defines sheet sizes and formats for engineering drawings. Both metric and decimal-inch sheet sizes and formats are included.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.2-202x, Line Conventions and Lettering (revision of ANSI/ASME Y14.2-2014 (R2020))
Stakeholders: Design and manufacturing, product development, (e.g., automotive, aerospace, medical, defense).

Project Need: Need for additional material to better assist with digital design efforts. Subcommittee will look into tangent lines, phantom lines, and leader endings. Will also review some MBD aspects such as scaling and sizing in models, and supplemental lines.

Interest Categories: AD Distributor; AF General Interest, Educators, Technical society; AS Producer; AT Regulator/Government employee; AU Consultant; AW User.

Scope: This Standard establishes the line and lettering practices for use in the preparation of product definition, including the recognition of the requirements for computer aided design (CAD) and manually prepared drawings.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.37-202x, Product Definition for Composite Parts (revision of ANSI/ASME Y14.37-2019)
Stakeholders: Design and manufacturing, product development, (e.g., automotive, aerospace, medical, defense).

Project Need: Model-based definition is a focus. Subcommittee would like to include color images and possibly a 3D figure for better example clarity. Deferred comments and newly submitted items will be reviewed.

Interest Categories: AD Distributor; AF General Interest, Educators, Technical society; AS Producer; AT Regulator/Government employee; AU Consultant; AW User.

Scope: This Standard establishes the requirements for composite product definition.

ASNT (American Society for Nondestructive Testing)

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National Adoption

BSR/ASNT CP-9712 (ISO 9712-2021)-202x, Nondestructive Testing - Qualification and Certification of Personnel (identical national adoption of ISO 9712:2021 (E) and revision of ANSI/ASNT CP-106 (ISO 9712-2012)-2018)
Stakeholders: NDT Industry providers, users, equipment purchasers, equipment manufacturers and general interest.

Project Need: Adoption of the standard will be beneficial to the industry.

Interest Categories: NDT User, NDT Provider, General Interest, NDT Equipment Purchaser, NDT Equipment Manufacturer.

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

BIFMA (Business and Institutional Furniture Manufacturers Association)

Anthony Serge; aserge@bifma.org | 678 Front Avenue NW, Suite 150 | Grand Rapids, MI 49504-5368 www.bifma.org

Revision

BSR/BIFMA X6.1-202x, Educational Seating (revision of ANSI/BIFMA X6.1-2018)
Stakeholders: Furniture manufacturers, suppliers, specifiers, test labs and users.

Project Need: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of Educational Seating, including units with integrated desk or table surfaces.

Interest Categories: Producers/Manufacturers, Engineering & Testing/Standards User, Supply Chain, General Interest.

Scope: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of Educational Seating, including units with integrated desk or table surfaces. The tests in this standard are intended to evaluate seating for students in preschool, elementary, middle school, high school, adult education, trade school, and college environments. The educational seating products covered by this standard are normally used in schools and colleges and include those typically referred to as chairs, stacking chairs, tablet-arm chairs, chair-desks, stools, and convertible bench/tables.

CTA (Consumer Technology Association)

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

Revision

BSR/CTA/NSF-2052.2-A-202x, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (revision and redesignation of ANSI/CTA/NSF 2052.2-2017)
Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To revise ANSI/CTA/NSF 2052.2 and address performance requirements for wearable sleep monitors.

Interest Categories: General interest, users, and producers.

Scope: This voluntary standard defines the methodology of measuring elemental and derived parameters used in consumer technology devices and applications that evaluate sleep. The elemental and derived measures covered within this standard are contained within ANSI/CTA 2052.1, Definitions and Characteristics for Wearable Sleep Monitors.

ESTA (Entertainment Services and Technology Association)

Karl Ruling; standards@esta.org | 271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org

New Standard

BSR/E1.79-202x, Television, Film, Live Performance, and Event Electrical Guidelines for Canada (new standard)
Stakeholders: Producers of custom or mass-market electrical distribution equipment for the entertainment market; designers of temporary event electrical systems; dealer and rental companies of this equipment; users of the equipment; and people generally interested in the safety aspects of event planning and execution.

Project Need: Electrical installations in Canada are governed by the rules in the Canadian Electrical Code, but the CEC gives little guidance on how to safely do the work to power a concert, party, motion picture shoot, or other short-term event. This document would provide that guidance. The base document was written for work being done in Ontario only. This standard will be a consensus document addressing the work practices and experiences of people working events in multiple provinces across Canada.

Interest Categories: Producers of custom or mass-market electrical distribution equipment for the entertainment market; designers of temporary event electrical systems; dealer and rental companies of this equipment; users of the equipment; and people generally interested in the safety aspects of event planning and execution.

Scope: This guideline deals with the installation of electrical equipment in the entertainment industry using any source of power, including generator sets, in Canada. Its scope is events of a temporary nature whether held indoors, outdoors, or in tents, such as film, television, live performance, and other events. The project is to make a recommended practices document for all of Canada based on “Electrical Safety Authority Spec 003,” which was written by the Electrical Safety Authority (ESA) in cooperation with the Entertainment Electrical Safety Committee of Ontario.

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

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

New Standard

BSR/IAPMO Z1390-202x, Adult Changing Tables (new standard)
Stakeholders: Manufacturers, Building and health officials, Architects, Construction professions, General population who use these devices

Project Need: 2024 edition of the ICC International Building Code, mandating adult changing stations for certain building occupancies. Yet, there is no performance requirements for these devices. Standardization of these devices is important to ensure the benefits of health and safety for the users and their caretakers.

Interest Categories: General Interest, Installer/Maintainer, Manufacturer, Research/Standards, User, Consumer.

Scope: This standard specifies performance requirements for adult changing tables which would be located in public toilet rooms of commercial buildings. The standard will regulate (1) Size of changing table; (2) Height of table; (3) Structural stability; (4) Railings on side of table; and (5) Mounting provisions for wall-mounted 60 Surface requirements which include, cleanability, sanitary surfaces, Nonabsorbent, hidden surfaces, and smoothness. Other options to these products will also be defined, such as: movement of table height, swing-down of table, water connections, sanitary connections and wash-down features.

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

Revision

BSR C82.16-202X, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2022)
Stakeholders: Producers, Users, General Interest.

Project Need: This project is needed to add a Normative Annex, which will contain Deviations for the Canadian marketplace. This revision will result in a bi-national standard between the United States and Canada, and will be jointly published by NEMA and CSA.

Interest Categories: Producers, Users, General Interest.

Scope: This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimmable), pulse-width modulation, or programmable (tunable) output power; External (standalone) or internal (enclosed in luminaire).

NEMA (ASC C82) (National Electrical Manufacturers Association)

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Revision

BSR C82.18-202X, Light Emitting Diode Drivers - Performance Characteristics (revision of ANSI C82.18-2022)
Stakeholders: Producers, Users, General Interest.

Project Need: This project is needed to add a Normative Annex, which will contain Deviations for the Canadian marketplace. This revision will result in a bi-national standard between the United States and Canada, and will be jointly published by NEMA and CSA.

Interest Categories: Producers, Users, General Interest.

Scope: This standard provides specifications for and operating characteristics of non-integral electronic drivers (power supplies) for LED devices, arrays, or systems intended for general lighting applications, including indoor and outdoor, as well as specific cases such as Power over the Ethernet (PoE) and Luminaires or Lighting systems assembled with two or more LED drivers, and in the future may include other devices such as Light Fidelity (LiFi) or Visual Light Communication (VLC). Electronic drivers are devices that use semiconductors to control and supply DC power for LED starting and operation. The drivers operate from supply sources up to 600 V AC or DC at a frequency up to 60 Hertz.

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 25-202x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2023)
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 document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire protection systems and the actions to undertake when changes in occupancy, use, process, materials, hazard, or water supply that potentially impact the performance of the water-based system are planned or identified.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 86-202x, Standard for Ovens and Furnaces (revision of ANSI/NFPA 86-2023)
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 shall apply to Class A, Class B, Class C, and Class D ovens, dryers, and furnaces; oxidizers systems; and any other heated systems and related equipment used for processing of materials.

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 130-202x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2023)
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: 1.1.1* This standard shall cover life safety from fire and fire protection requirements for fixed guideway transit and passenger rail systems, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems. A.1.1.1 Vehicle maintenance facilities are not addressed by this standard because requirements for that occupancy are provided in other codes and standards. Where vehicle maintenance facilities are integrated or co-located with occupancies covered by this standard, special considerations beyond this standard shall be necessary.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 502-202x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2023)
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: 1.1.1 This standard provides fire protection and fire life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures.
1.1.2 This standard establishes minimum requirements for each of the identified facilities. 1.1.3 This standard does not apply to the following structures:
(1) Parking garages
(2) Bus terminals
(3) Truck terminals
(4) Any other structure in which motor vehicles are stored, repaired, maintained, or parked
1.1.4 This standard shall be applicable where a structure or an element of a structure, including those specified in 1.1.3(1) through 1.1.3(4), is deemed to be a facility by the authority having jurisdiction.
1.1.4.1 If any element of a structure cited in 1.1.3 is used to allow only the travel of road vehicles as a means of access to or egress from the structure, then it shall be characterized as a facility and treated as such under this standard.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 855-202x, Standard for the Installation of Stationary Energy Storage Systems (revision of ANSI/NFPA 855-2023)
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 applies to the design, construction, installation, commissioning, operation, maintenance, and decommissioning of stationary energy storage systems (ESS), including mobile and portable ESS installed in a stationary situation and the storage of lithium metal or lithium-ion batteries.

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 2112-202x, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2112-2023)
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: The standard shall specify the minimum design, performance, testing, and certification requirements and test methods for flame-resistant garments, shrouds/hoods/balaclavas, gloves, and barrier face coverings for use in areas at risk from short-duration thermal exposure from fire.

VITA (VMEbus International Trade Association (VITA))

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Revision

BSR/VITA 78-202x, SpaceVPX System Standard (revision and redesignation of ANSI/VITA 78.0-2022)
Stakeholders: Manufacturers and users of VPX modules for critical embedded systems.

Project Need: Provide standard for use of OpenVPX in Space Systems.

Interest Categories: User-Commercial/Industry, User-Government/Military, Producer, General Interest.

Scope: This document describes an open standard for creating high-performance fault tolerant interoperable backplanes and modules to assemble electronic systems for spacecraft and other high availability applications. Such systems support a wide variety of use cases across the aerospace community. This standard leverages the OpenVPX standards family and the commercial infrastructure that supports these standards. This next revision of the VITA 78.0 Standard updates the System Management section with respect to new content in VITA 46.11, adds new content on single string systems in addition to its current discussion on dual redundant, fully fault tolerant, systems, additional communication protocols (such as PCIe), the addition of more specific mechanical and thermal content to provide guidance for flight systems, and, finally, the addition of more specific content on power architectures.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: December 4, 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 d to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)
This proposed addendum adds U.S. regional energy conversion factors to the normative section of the standard that provides AHJs with the option to use regional U.S. energy conversion factor values for electricity.
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/IES Addendum g to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)
This independent substantive change draft of proposed Addendum g to Standard 100-2018 provides some clarification on how to interpret Figure 5-1, "Net Energy Concept" in calculating net energy use.
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: December 4, 2022

NSF (NSF International)

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

Revision

BSR/NSF 25-202x (i22r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)
This Standard contains requirements for food and beverage vending machines, including those that vend packaged food and beverages and those that vend food and beverages in bulk.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i150r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021)
It is the purpose of this Standard to establish minimum requirements for materials, design, and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking-water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled-water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 58-202x (i103r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58 -2021)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: December 4, 2022

NSF (NSF International)

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

Revision

BSR/NSF 170-202x (i23r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2021)
Definitions covered by this standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 385-202x (i13r1), Disinfection Mechanics (revision of ANSI/NSF 385-2021)
This Standard is intended for use with devices intended to disinfect wastewater after secondary treatment and prior to discharge from residential wastewater treatment systems having rated treatment capacities between 757 LPD (200 GPD) and 5,678 LPD (1,500 GPD).
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 | rbrooker@nsf.org, www.nsf.org

Revision

BSR/NSF 455-3-202x (i38r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i173r4), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)
This standard covers materials, chemicals, components, products, equipment and systems related to public and residential recreational water facility operation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

Comment Deadline: December 4, 2022

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i187r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)
This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water-facility operation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 4248-14-202x, Fuseholders - Part 14: Supplemental Fuseholders (new standard)
This proposal recirculates changes to the November 19, 2021 proposed First Edition of UL 4248-14.
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 | griff.edwards@ul.org, https://ulse.org/

Revision

BSR/UL 47-202x, Standard for Semiautomatic Fire Hose Storage Devices (revision of ANSI/UL 47-2004 (R2017))
This proposal covers: (1) Update of UL 47.
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 | marina.currie@ul.org, https://ulse.org/

Revision

BSR/UL 399-202x, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2020)
(1) Proposed revision to be equivalent with UL 541 and ANSI/ASHRAE 15.
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: December 4, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1638-202x, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2017)
Proposed new edition is a binational standard with CAN/ULC-S526 that will incorporate requirements for Canada and the United States. The harmonized requirements include: addition of an Alternative Indoor Corrosion Test (21-Day) to be consistent with current requirements for initiating device standards; changes in the Measurement of Effective Luminous Intensity (Light Output) Test to include LEDs and changes to the method for determining the Quadrant vector alignment; new construction and performance requirements for battery-powered units, including primary batteries, secondary batteries used for stand-by power, and rechargeable lithium-ion batteries; addition of requirements for the evaluation of reduced spacings on printed-wiring boards to be consistent with requirements for initiating devices; new requirements for Wireless Systems; addition of new firmware requirements; revisions to the gasket requirements for outdoor-use products; and revisions to the ultraviolet light and water exposure test for outdoor products.
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: December 19, 2022

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 11138-1-2017 (R202x), Sterilization of health care products - Biological indicators - Part 1: General requirements (reaffirm a national adoption ANSI/AAMI/ISO 11138-1-2017)
Specifies general requirements for production, labeling, test methods, and performance characteristics of biological indicators, including inoculated carriers and suspensions, and their components, to be used in the validation and routine monitoring of sterilization processes.
Single copy price: Free
Obtain an electronic copy from: jallen@aami.org
Send comments (copy psa@ansi.org) to: jallen@aami.org

Comment Deadline: December 19, 2022

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 11138-2-2017 (R202x), Sterilization of health care products - Biological indicators - Part 2: Biological indicators for ethylene oxide sterilization processes (reaffirm a national adoption ANSI/AAMI/ISO 11138-2-2017)
Specifies requirements for test organisms, suspensions, inoculated carriers, biological indicators, and test methods intended for use in assessing the performance of sterilizers and sterilization processes employing ethylene oxide gas as the sterilizing agent, either as pure ethylene oxide gas or mixtures of this gas with diluent gases, at sterilizing temperatures within the range of 29°C to 65°C.
Single copy price: Free
Obtain an electronic copy from: jallen@aami.org
Send comments (copy psa@ansi.org) to: jallen@aami.org

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 1006-A97 (R202x), Tooth Proportions for Plastic Gears (reaffirmation of ANSI/AGMA 1006-A97 (R2016))
This standard defines a basic rack for spur and helical plastic gears. However, the specific basic rack can be applied to any type of gear which employs the basic rack concept to help define its geometry.
Single copy price: $72.00
Obtain an electronic copy from: tech@agma.org
Order from: tech@agma.org
Send comments (copy psa@ansi.org) to: Same

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 1106-A97 (R202x), Tooth Proportions for Plastic Gears - Metric Edition (reaffirmation of ANSI/AGMA 1106-A97 (R2016))
This standard defines a basic rack for spur and helical plastic gears. However, the specific basic rack can be applied to any type of gear which employs the basic rack concept to help define its geometry.
Single copy price: $66.00
Obtain an electronic copy from: tech@agma.org
Order from: tech@agma.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S608-2008 (R202x), Headlamps for Agricultural Equipment (reaffirmation of ANSI/ASABE S608 -2008 (R2017))
This Standard provides performance and general design requirements and related test procedures for headlamps for use on agricultural equipment that may be operated on public roads.
Single copy price: $51.00 (ASABE Members); $75.00 (Non-members)
Obtain an electronic copy from: vangilder@asabe.org
Order from: Carla VanGilder; vangilder@asabe.org
Send comments (copy psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASAE EP576.2-2012 (R202x), Lighting and Marking of Animal-Drawn Equipment (reaffirmation of ANSI/ASAE EP576.2-2012 (R2017))
This recommended practice establishes a unique identification system for slow-moving animal-drawn vehicles on public roadways or highways. The identification system shall be used only on animal-drawn vehicles. It is intended that this identification system be used to complement existing laws, rules, and regulations in individual states, provinces, and municipalities. It is recognized that this recommended practice can be a cultural or religious issue and is not intended to devalue or replace those values. It is intended to provide options to those who would like to add or enhance lighting and marking of their animal-powered vehicles in the form of a voluntary consensus standard.
Single copy price: $51.00 (ASABE Members); $75.00 (Non-members)
Obtain an electronic copy from: vangilder@asabe.org
Order from: Carla VanGilder; vangilder@asabe.org
Send comments (copy psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASAE S277.2-1992 (R202x), Mounting Brackets and Socket for Warning Lamp and Slow-Moving Vehicle (SMV) Identification Emblem (reaffirmation of ANSI/ASAE S277.2-1992 (R2017))
This Standard defines mounting devices for use with warning lamps and SMV emblems.
Single copy price: $51.00 (ASABE Members); $75.00 (Non-members)
Obtain an electronic copy from: vangilder@asabe.org
Order from: Carla VanGilder; vangilder@asabe.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASAE/NFBA EP559.2 MONYEAR-202x, Design Requirements and Engineering Properties for Mechanically-Laminated Wood (Mechlam) Assemblies (revision and redesignation of ANSI/ASAE EP559.1 AUG2010 (R2019))
This Engineering Practice provides equations for calculating the adjusted design moment for bending about either assembly axis, and the adjusted design forces for axial tension and axial compression for spliced and unspliced mechlam assemblies. This EP also contains methodology for establishing the flexural rigidity value (EI) for bending about either assembly axis and equations for calculating minimum flexural rigidity values (EImin) for beam and column stability calculations.
Single copy price: $75.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh; walsh@asabe.org
Send comments (copy psa@ansi.org) to: Same

ASPE (American Society of Plumbing Engineers)

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

Revision

BSR/ARCSA/ASPE 78-202x, Stormwater Harvesting System Design for Direct End-Use Applications (revision of ANSI/ARCSA/ASPE 78-2015)
This standard was developed by a joint effort of the American Rainwater Catchment Systems Association (ARCSA) and the American Society of Plumbing Engineers (ASPE). The purpose of this Standard is to assist engineers, designers, plumbers, builders/developers, landscape and irrigation professionals, state and local government, and end users in implementing a stormwater harvesting system while protecting public health and safety. This Standard is intended to apply to new stormwater harvesting installations, as well as alterations, additions, maintenance, and repairs to existing installations. This Standard applies, for example, to the collection of stormwater from the transportation grid (vehicular parking, driving, or other similar surfaces), elevated parking structures, surface public right-of-ways, and storm drain systems.
Single copy price: Free
Obtain an electronic copy from: gpienta@aspe.org
Send comments (copy psa@ansi.org) to: Gretchen Pienta; gpienta@aspe.org

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

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

New Standard

BSR/ASSP A10.32-202X, Personal Fall Protection Used in Construction and Demolition Operations (new standard)
This standard establishes performance criteria for personal fall protection equipment and systems in construction and demolition and provides guidelines, recommendations for their use and inspection. It includes, but is not limited to; fall arrest, restraint, positioning, climbing, descending, rescue, escape, and training activities.
Single copy price: $110.00
Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org
Order from: Tim Fisher; tfisher@assp.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F3137-2015 (R202x), Specification for Headgear Used in Women's Lacrosse (excluding Goalkeepers) (reaffirmation of ANSI/ASTM F3137-2015)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM D6792-202x, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2022)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM D8146-202x, Guide for Evaluating Test Method Capability and Fitness for Use (revision of ANSI/ASTM D8146-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E23-202x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASTM (ASTM International)

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

Revision

BSR/ASTM E329-202x, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2224-202x, Guide for Forensic Analysis of Fibers by Infrared Spectroscopy (revision of ANSI/ASTM E2224-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2225-202x, Guide for Forensic Examination of Fabrics and Cordage (revision of ANSI/ASTM E2225-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2228-202x, Guide for Microscopical Examination of Textile Fibers (revision of ANSI/ASTM E2228-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASTM (ASTM International)

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

Revision

BSR/ASTM E2326-202x, Practice for Education and Training of Seized-Drug Analysts (revision of ANSI/ASTM E2326-2014)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2549-202x, Practice for Validation of Seized-Drug Analytical Methods (revision of ANSI/ASTM E2549 -2014)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2809-202x, Guide for Using Scanning Electron Microscopy/Energy Dispersive X-Ray Spectroscopy (SEM/EDS) in Forensic Polymer Examinations (revision of ANSI/ASTM E2809-2013)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Obtain an electronic copy from: accreditation@astm.org
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Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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Revision

BSR/ASTM F1292-202x, Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment (revision of ANSI/ASTM F1292-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASTM (ASTM International)

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

Revision

BSR/ASTM F2128-202x, Test Method for Treestand Repetitive Loading Capability (revision of ANSI/ASTM F2128 -2013 (R2021))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM F2276-202x, Specification for Fitness Equipment (revision of ANSI/ASTM F2276-2010 (R2015))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM F2337-202x, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM F2125-2009 (R2021), Test Method for Treestand Static Stability and Adherence (withdrawal of ANSI/ASTM F2125-2009 (R2021))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM F2126-2006 (R2018), Test Method for Treestand Static Load Capacity (withdrawal of ANSI/ASTM F2126-2006 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM F2531-2013 (R2021), Test Method for Load Capacity of Treestand Seats (withdrawal of ANSI/ASTM F2531-2013 (R2021))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.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

Reaffirmation

BSR/AWWA C750-2019 (R202x), Transit-Time Flowmeters in Full Closed Conduits (reaffirmation of ANSI/AWWA C750-2019)
This standard describes transit-time ultrasonic flowmeters for water supply service application in pipes running full.
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: December 19, 2022

AWWA (American Water Works Association)

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

Reaffirmation

BSR/AWWA C751-2019 (R202x), Magnetic Inductive Flowmeters (reaffirmation of ANSI/AWWA C751-2019)
Magnetic inductive flowmeters or electromagnetic flowmeters are commonly called magmeters. The flowmeter referenced in this standard will be called a magmeter or magnetic flowmeter interchangeably. Magmeters are available in wafer style and threaded and flanged-end connection designs. These spool/tube design flowmeters are most commonly used in the water industry. This standard will focus on magmeters of this design.
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 C509-202x, Resilient-Seated Gate Valves for Water Supply Service (revision of ANSI/AWWA C509 -2015)
This standard describes iron-body resilient-seated gate valves with nonrising stems (NRS) and outside screw-and-yoke (OS&Y) rising stems, including tapping gate valves, 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

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-27D-202x, Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-27C-2011 (R2017))
This test procedure establishes a test method to assess the ability of electrical components to withstand specified severities of mechanical shock.
Single copy price: $84.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

Comment Deadline: December 19, 2022

OPEI (Outdoor Power Equipment Institute)

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

Revision

BSR/OPEI B71.9-202x, (Standard) for Multipurpose Off-Highway Utility Vehicles (revision of ANSI/OPEI B71.9 -2016)
The standard establishes requirements for equipment, configuration, and performance of Multipurpose Off-Highway Utility Vehicles of all power sources. A MOHUV has features specifically intended for utility use and is (1) intended to transport a person(s) and/or cargo, with a top speed in excess of 25 mph; (2) 2030 mm or less in over width; (3) designed to travel on four or more wheels, two or four tracks, or a combination of the two; (4) using a steering wheel for steering control; (5) with a non-straddle seat; (6) with a Gross Vehicle Weight Rating of no more than 2495 kg; and (7) with a minimum cargo capacity of 159 kg.
Single copy price: Free
Obtain an electronic copy from: gknott@opei.org
Order from: Greg Knott, gknott@opei.org
Send comments (copy psa@ansi.org) to: Same

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE 47-202x, Test Method for Coaxial Cable Attenuation (new standard)
The purpose of this standard is to provide a measurement technique for determining attenuation of coaxial cable at various selected frequencies.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: global engineering documents
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1: Corrections (new standard)
This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope.)
Single copy price: $67.00
Obtain an electronic copy from: standards-process@tiaonline.org
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 19, 2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | roger.pareja@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 943B-2017 (R202x), Standard for Safety for Appliance Leakage-Current Interrupters (reaffirmation of ANSI/UL 943B-2017)
Reaffirmation and continuance of the third edition of the Standard for Appliance Leakage-Current Interrupters, UL 943B, as an American National Standards.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: https://csds.ul.com

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 1204-2018 (R202x), Standard for Safety for Parts Cleaners (reaffirmation of ANSI/UL 1204-2018)
This first edition of ANSI/UL 1204, Standard for Parts Cleaners, covers parts cleaners used for cleaning or removing grease and similar substances from the item contaminated, electrically operated parts cleaners rated up to 600 V, and manual-type parts cleaners with no electrical connection.
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 60062-2096 | roger.pareja@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 2201-2018 (R202x), Standard for Safety for Carbon Monoxide (CO) Emission Rate of Portable Generators (reaffirmation of ANSI/UL 2201-2018)
Reaffirmation of UL 2201 which covers testing procedures and requirements applicable in determining the carbon monoxide (CO) emission rate of a portable generator and also testing procedures and requirements applicable in determining the shutoff capability of a portable generator in elevated carbon monoxide (CO) environments. These requirements apply to spark-ignited engines installed in portable generators for each fuel type recommended by the manufacturer.
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

Comment Deadline: December 19, 2022

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 62841-2-21-2018 (R202x), Standard for Safety For Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-21: Particular Requirements for Hand-Held Drain Cleaners (reaffirmation of ANSI/UL 62841-2-21-2018)
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 - Safety - Part 2-21: Particular Requirements for Hand-Held Drain Cleaners, UL 62841-2-21, as an American National Standard.
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

VITA (VMEbus International Trade Association (VITA))

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

Stabilized Maintenance

BSR/VITA 48.5-R2010 (S202x), Mechanical Standard for Electronic Plug-in Units Using Air Flow Through Cooling (stabilized maintenance of ANSI/VITA 48.5-R2010 (R2017))
This standard establishes the design requirements for an air-flow-through cooled plug-in unit with a form factor as close to 6U as possible while retaining the VITA 46 connector layout. Unlike ANSI/VITA 48.1, which uses cooling air impinged directly upon the components and circuit boards, this plug-in unit uses a compact core heat exchanger located within the central heat sink of the unit.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: January 3, 2023

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 60730-2-8-202X, Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements (national adoption of IEC 60730-2-8 with modifications and revision of ANSI/UL 60730-2-8-2017)
This part of IEC 60730 applies to electrically operated water valves for use in, on, or in association with equipment for household and similar use, including heating, air-conditioning, and similar applications. The equipment can use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof. This document is applicable to electrically operated water valves for building automation within the scope of ISO 16484. This document also applies to automatic electrically operated water valves for equipment that can be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms, and commercial and industrial applications. This document does not apply to electrically operated water valves intended exclusively for industrial process applications unless explicitly mentioned in the relevant equipment standard. This document applies to electrically operated water valves powered by primary or secondary batteries, requirements for which are contained within the standard, including Annex V.
Single copy price: Free
Order from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | laura.werner@ul.org, https://ulse.org/

Revision

BSR/UL 1389-202x, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (revision of ANSI/UL 1389-2021)
1.1 This Standard covers commercial and industrial plant oil extraction equipment for installation and use indoors in an ordinary (unclassified) locations and hazardous (classified) locations. Based on the application, installation is in accordance with the manufacturer's installation instructions, together with the following, as applicable: (a) CSA C22.1, Canadian Electrical Code, Part 1 (CE Code); ULC-S4400, Premises, Buildings and Equipment Utilized for the Cultivation, Processing and Production of Cannabis; National Fire Code of Canada (NFC); and CSA B149.1, Natural Gas and Propane Installation Code; and (b) NFPA 70, National Electrical Code (NEC); International Fire Code (IFC); NFPA 1, Fire Code; NFPA 55, Compressed Gases and Cryogenic Fluids Code; and NFPA 58, Liquefied Petroleum Gas Code.
1.2 Plant oil extraction equipment includes: (a) Preparatory equipment, for preparing the plant material for extraction of the oil, such as trimming, deseeding, and drying/curing; (b) Extractors, for removing the oil from the plant material by the use of butane, ethanol, n-hexane, liquefied petroleum gas (LPG), pentane or propane (flammable solvents) and Carbon Dioxide (CO2) (non-flammable solvent); (c) Extraction booths or pods, for enclosing/protecting plant oil extraction equipment; and (d) Post-processing equipment, for finalizing the plant-oil extraction process such as vacuum ovens, rotary evaporators, and solvent recovery pumps.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Laura Werner, laura.werner@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:

ADA (American Dental Association)

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

BSR/ADA Standard No. 1018-202x, Technical Security Mechanisms and Their Applications to Dentistry (new standard)
Inquiries may be directed to Paul Bralower; bralowerp@ada.org

ULSE (UL Standards & Engagement)

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

BSR/UL 217-202x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2022)
Inquiries may be directed to Kevin Wu; kevin.hf.wu@ul.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.

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

ANSI/HL7 V3 CPPV3MODELS, R2-2018, HL7 Version 3 Standard: Core Principles and Properties of Version 3 Models, Release 2
Direct inquiries to: Karen Van Hentenryck; Karenvan@HL7.org

Final Actions on American National Standards

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

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

ANSI/AGMA 9003-C17 (R2022), Flexible Couplings - Keyless Fits (reaffirmation of ANSI/AGMA 9003-C17) Final Action Date: 10/28/2022

Reaffirmation

ANSI/AGMA 9008-B00 (R2022), Flexible Couplings - Gear Type - Flange Dimensions, Inch Series (reaffirmation of ANSI/AGMA 9008-B99 (R2017)) Final Action Date: 10/28/2022

Reaffirmation

ANSI/AGMA 9103-C17 (R2022), Flexible Couplings - Keyless Fits (Metric Edition) (reaffirmation of ANSI/AGMA 9103-C17) Final Action Date: 10/28/2022

Reaffirmation

ANSI/AGMA 9104-A06 (R2022), Flexible Couplings - Mass Elastic Properties and Other Characteristics (Metric Edition) (reaffirmation of ANSI/AGMA 9104-A06 (R2017)) Final Action Date: 10/28/2022

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | shrutik@amca.org, www.amca.org

Revision

ANSI/AMCA Standard 301-2022, Methods for Calculating Fan Sound Ratings from Laboratory Test Data (revision of ANSI/AMCA Standard 301-2014) Final Action Date: 10/28/2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

ANSI/ASABE S627.1 MON-2022, Weather-Based Landscape Irrigation Control systems (revision and redesignation of ANSI/ASABE S627 DEC-2020) Final Action Date: 10/24/2022

CSA (CSA America Standards Inc.)

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

National Adoption

ANSI/CSA C22.2 No. 19085-11-2022, Woodworking machines - Safety - Part 11: Combined machines (national adoption with modifications of ISO 19085-11) Final Action Date: 10/28/2022

National Adoption

ANSI/CSA C22.2 No. 19085-13-2022, Woodworking machines - Safety - Part 13: Multi-blade rip sawing machines with manual loading and/or unloading (national adoption with modifications of ISO 19085-13) Final Action Date: 10/28/2022

Reaffirmation

ANSI Z21.74-2017 (R2022), Portable Refrigerators (same as CSA Z21.74) (reaffirmation of ANSI Z21.74-2017) Final Action Date: 10/28/2022

ECIA (Electronic Components Industry Association)

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

Reaffirmation

ANSI/EIA 60384-4-2017 (R2022), Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO2) and non-solid electrolyte (reaffirmation of ANSI/EIA 60384-4-2017) Final Action Date: 10/28/2022

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

Revision

ANSI E1.4-1-2022, Manual Counterweight Rigging Systems (revision of ANSI E1.4-1-2016) Final Action Date: 10/27/2022

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

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

Revision

ANSI/ASSE Series 21000-2022, Professional Qualifications Standard for Rainwater Catchment Systems Personnel (revision of ANSI/ASSE Series 21000-2017) Final Action Date: 10/27/2022

IES (Illuminating Engineering Society)

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

New Standard

ANSI/IES LM-93-2022, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (new standard) Final Action Date: 10/24/2022

New Standard

ANSI/IES RP-27.1-2022, Recommended Practice: Risk Group Classification and Minimization of Photobiological Hazards from Ultraviolet Lamps and Lamp Systems (new standard) Final Action Date: 10/28/2022

NSF (NSF International)

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

Revision

ANSI/NSF 14-2022 (i119r3), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2021) Final Action Date: 10/23/2022

Revision

ANSI/NSF 385-2022 (i11r2), Disinfection Mechanics (revision of ANSI/NSF 385-2021) Final Action Date: 10/24/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

ANSI/SCTE 38-1-2017 (R2022), Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PROPERTY-MIB - Management Information Base (MIB) - Definition (reaffirmation of ANSI/SCTE 38-1-2017) Final Action Date: 10/28/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

ANSI/SCTE 38-2-2017 (R2022), Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-ALARMS-MIB - Management Information Base (MIB) - Definition (reaffirmation of ANSI/SCTE 38-2-2017) Final Action Date: 10/28/2022

Reaffirmation

ANSI/SCTE 38-3-2017 (R2022), Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-COMMON-MIB - Management Information Base (MIB) - Definition (reaffirmation of ANSI/SCTE 38-3-2017) Final Action Date: 10/28/2022

Reaffirmation

ANSI/SCTE 38-4-2017 (R2022), Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-PS-MIB - Management Information Base (MIB) - Definition (reaffirmation of ANSI/SCTE 38-4-2017) Final Action Date: 10/28/2022

Reaffirmation

ANSI/SCTE 112-2017 (R2022), HMS/DOCSIS Transponder for Outside Plant Power Supply (reaffirmation of ANSI/SCTE 112-2017) Final Action Date: 10/28/2022

Reaffirmation

ANSI/SCTE 113-2017 (R2022), HMS Digital Transport Management Information Base SCTE-HMS-HE-DIG-TRANSPORT-MIB (reaffirmation of ANSI/SCTE 113-2017) Final Action Date: 10/28/2022

Revision

ANSI/SCTE 185-2022, Test Method for Cantilever Force, Female F Port (revision of ANSI/SCTE 185-2017) Final Action Date: 10/28/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

New Standard

ANSI/TAPPI T 413 om-2022, Ash in wood, pulp, paper and paperboard:combustion at 900°C (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 519 om-2022, Diffuse opacity of paper (d/0 paper backing) (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 525 om-2022, Diffuse brightness of paper, paperboard and pulp (d/0) - ultraviolet level C (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 534 om-2022, Brightness of clay and other mineral pigments (d/0 diffuse) (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 578 sp-2022, Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus (new standard) Final Action Date: 10/28/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

New Standard

ANSI/TAPPI T 581 om-2022, Dry tensile properties of paper towel and tissue products (using constant rate of elongation apparatus) (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 600 om-2022, Analysis of formaldehyde in aqueous solutions and of free formaldehyde in resins (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 653 om-2022, Specular gloss of paper and paperboard at 20 degrees (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 802 om-2022, Drop test for fiberboard shipping containers (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 810 om-2022, Bursting strength of corrugated board (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 821 om-2012 (R2022), Pin adhesion of corrugated board by selective separation (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 822 om-2022, Ring crush of paperboard (rigid support method) (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 1214 sp-2022, Interrelation of reflectance, R0; reflectivity, R; TAPPI opacity, C0.89; scattering, s; and absorption, k (new standard) Final Action Date: 10/28/2022

New Standard

ANSI/TAPPI T 1219 sp-2022, Storage of paper samples for optical measurements and color matching (new standard) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 262 sp-2012 (R2022), Preparation of mechanical pulps for testing (reaffirmation of ANSI/TAPPI T 262 sp-2012 (R2018)) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 419 om-2018 (R2022), Starch in paper (reaffirmation of ANSI/TAPPI T 419 om-2018) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 464 om-2012 (R2022), Water vapor transmission rate of paper and paperboard at high temperature and humidity (reaffirmation of ANSI/TAPPI T 464 om-2012 (R2018)) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 536 om-2018 (R2022), Resistance of paper to passage of air (high-pressure Gurley method) (reaffirmation of ANSI/TAPPI T 536 om-2018) Final Action Date: 10/28/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

Reaffirmation

ANSI/TAPPI T 1006 sp-2010 (R2022), Testing of fiber glass mats: Use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, and thickness (reaffirmation of ANSI/TAPPI T 1006 sp-2010) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 1007 sp-2015 (R2022), Sample location for fiber glass mat sheets (reaffirmation of ANSI/TAPPI T 1007 sp-2015) Final Action Date: 10/28/2022

Reaffirmation

ANSI/TAPPI T 1013 om-2010 (R2022), Loss on ignition of fiber glass mats (reaffirmation of ANSI/TAPPI T 1013 om-2010) Final Action Date: 10/28/2022

Revision

ANSI/TAPPI T 236 om-2022, Kappa number of pulp (revision of ANSI/TAPPI T 236 om-2013) Final Action Date: 10/28/2022

Revision

ANSI/TAPPI T 274 sp-2022, Laboratory screening of pulp (MasterScreen-type instrument) (revision of ANSI/TAPPI T 274 sp-2013) Final Action Date: 10/28/2022

Revision

ANSI/TAPPI T 449 om-2022, Bacteriological examination of paper and paperboard (revision of ANSI/TAPPI T 449 om-2014) Final Action Date: 10/28/2022

Revision

ANSI/TAPPI T 832 om-2022, Water absorption of corrugating medium: Float curl method (revision of ANSI/TAPPI T 832 om-2012) Final Action Date: 10/28/2022

ULSE (UL Standards & Engagement)

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

Revision

ANSI/UL 248-1-2022, Low-Voltage Fuses - Part 1: General Requirements (revision of ANSI/UL 248-1-2017) Final Action Date: 10/24/2022

Revision

ANSI/UL 252-2022, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2018) Final Action Date: 10/27/2022

Revision

ANSI/UL 252A-2022, Standard for Safety for Compressed Gas Regulator Accessories (revision of ANSI/UL 252A -2019) Final Action Date: 10/27/2022

Revision

ANSI/UL 842A-2022, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 842A-2019) Final Action Date: 11/1/2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | jeffrey.prusko@ul.org, https://ulse.org/

Revision

ANSI/UL 842B-2022, Standard for Safety for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 842B -2020) Final Action Date: 11/1/2022

Revision

ANSI/UL 1441-2022, Standard for Safety for Coated Electrical Sleeving (revision of ANSI/UL 1441-2021) Final Action Date: 10/28/2022

Revision

ANSI/UL 6141-2022, Standard for Wind Turbines Permitting Entry of Personnel (revision of ANSI/UL 6141-2021) Final Action Date: 10/26/2022

VC (ASC Z80) (The Vision Council)

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

Revision

ANSI Z80.31-2022, Ophthalmic Optics - Specifications for Ready-to-Wear Near-Vision Spectacles (revision of ANSI Z80.31-2017) Final Action Date: 10/28/2022

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 | jallen@aami.org, www.aami.org

BSR/AAMI/ISO 11138-1-2017 (R202x), Sterilization of health care products - Biological indicators -Part 1: General requirements (reaffirm a national adoption ANSI/AAMI/ISO 11138-1-2017)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 11138-2-2017 (R202x), Sterilization of health care products - Biological indicators - Part 2: Biological indicators for ethylene oxide sterilization processes (reaffirm a national adoption ANSI/AAMI/ISO 11138-2 -2017)

AGMA (American Gear Manufacturers Association)

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

BSR/AGMA 1006-A97 (R202x), Tooth Proportions for Plastic Gears (reaffirmation of ANSI/AGMA 1006-A97 (R2016))

AGMA (American Gear Manufacturers Association)

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

BSR/AGMA 1106-A97 (R202x), Tooth Proportions for Plastic Gears - Metric Edition (reaffirmation of ANSI/AGMA 1106-A97 (R2016))

ASA (ASC S12) (Acoustical Society of America)

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

BSR S12.3-202x, Declaration of Product Noise Emission Values (revision of ANSI/ASA S12.3-1985 (R2020))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE D662 MonYear-202x, Moisture Relationship Equations and Moisture Based Calculations (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S608-2008 (R202x), Headlamps for Agricultural Equipment (reaffirmation of ANSI/ASABE S608-2008 (R2017))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE EP576.2-2012 (R202x), Lighting and Marking of Animal-Drawn Equipment (reaffirmation of ANSI/ASAE EP576.2-2012 (R2017))

Call for Members (ANS Consensus Bodies)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE S277.2-1992 (R202x), Mounting Brackets and Socket for Warning Lamp and Slow-Moving Vehicle (SMV) Identification Emblem (reaffirmation of ANSI/ASAE S277.2-1992 (R2017))

ASNT (American Society for Nondestructive Testing)

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

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

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

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

BSR/ASSP A10.32-202X, Personal Fall Protection Used in Construction and Demolition Operations (new standard)

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Suite 150, Grand Rapids, MI 49504-5368 | aserge@bifma.org, www.bifma.org

BSR/BIFMA X6.1-202x, Educational Seating (revision of ANSI/BIFMA X6.1-2018)

CTA (Consumer Technology Association)

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

BSR/CTA/NSF-2052.2-A-202x, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (revision and redesignation of ANSI/CTA/NSF 2052.2-2017)
CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-27D-202x, Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-27C-2011 (R2017))

NSF (NSF International)

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

BSR/NSF 25-202x (i22r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)

NSF (NSF International)

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

BSR/NSF 53-202x (i150r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021)

NSF (NSF International)

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

BSR/NSF 58-202x (i103r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

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

BSR/NSF 170-202x (i23r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2021)

NSF (NSF International)

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

BSR/NSF 385-202x (i13r1), Disinfection Mechanics (revision of ANSI/NSF 385-2021)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i38r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i173r4), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i187r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

TIA (Telecommunications Industry Association)

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

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1: Corrections (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 48.5-R2010 (S202x), Mechanical Standard for Electronic Plug-in units Using Air Flow Through Cooling (stabilized maintenance of ANSI/VITA 48.5-R2010 (R2017))

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 78-202x, SpaceVPX System Standard (revision and redesignation of ANSI/VITA 78.0-2022)

American National Standards (ANS) Process

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

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

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

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

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

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

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

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

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

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

• ANS Web Forms for ANSI-Accredited Standards Developers: https://www.ansi.org/portal/psawebforms/

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

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

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

NBBPVI - National Board of Boiler and Pressure Vessel Inspectors

Comment Deadline: December 5, 2022

NBBPVI - National Board of Boiler and Pressure Vessel Inspectors, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on NBBPVI-sponsored American National Standards, under which it was last reaccredited earlier in 2022. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Jonathan Ellis, National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) | 1055 Crupper Avenue, Columbus, OH 43229-1183 | (614) 431-3236, NBICSecretary@nbbi.org

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

Please submit any public comments on the revised procedures to NBBPVI by **December 5, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Meeting Time: December 1, 2022 at 11:00 a.m.

The **American Society of Safety Professionals (ASSP)** serves as the secretariat of the Z10 Committee for Occupational Safety and Health Management Systems, [OSHMS]. The next meeting of the Z10 Committee will be held virtually on **December 1, 2022 at 11:00 a.m**. and will go to conclusion. If you should have any questions, or have interest in attending, please contact: Tim Fisher, American Society of Safety Professionals (ASSP (Safety)) | 520 N. Northwest Highway, Park Ridge, IL 60068 | (847) 768-3411, TFisher@ASSP.org

American National Standards Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
tambrosius@aafs.org

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

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ABYC
American Boat and Yacht Council
613 Third Street, Suite 10
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AGMA
American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314
www.agma.org

Amir Aboutaleb
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AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004
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APCO
Association of Public-Safety Communications Officials-International
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ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
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Raegan Ripley
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ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
https://www.asabe.org/

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

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

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

Michelle Thomas
mthomas@asnt.org

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

Gretchen Pienta
gpienta@aspe.org

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

Tim Fisher
TFisher@ASSP.org

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

Laura Klineburger
accreditation@astm.org

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

Paul Olson
polson@awwa.org

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

Anthony Serge
aserge@bifma.org

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

Debbie Chesnik
ansi.contact@csagroup.org

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

Catrina Akers
cakers@cta.tech

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

ESTA
Entertainment Services and Technology Association
271 Cadman Plaza, P.O. Box 23200
Brooklyn, NY 11202
www.esta.org

Karl Ruling
standards@esta.org

Richard Nix
standards@esta.org

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

Marianne Waickman
marianne.waickman@asse-plumbing.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
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terry.burger@asse-plumbing.org

IES
Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

NEMA (ASC C82)
National Electrical Manufacturers Association
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NFPA
National Fire Protection Association
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NSF
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OPEI
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SCTE
Society of Cable Telecommunications Engineers
140 Philips Rd
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Kim Cooney
kcooney@scte.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway
Peachtree Corners, GA 30092
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Tiffany Plummer
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TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
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Teesha Jenkins
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ULSE
UL Standards & Engagement
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Linda Phinney
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VC (ASC Z80)
The Vision Council
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Michele Stolberg
ascz80@thevisioncouncil.org

VITA
VMEbus International Trade Association
(VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com
Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards

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

COMMENTS

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

Those regarding IEC documents should be sent to 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 10302-1, Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 1: Airborne noise measurement - 1/19/2023, $107.00

Health Informatics (TC 215)

ISO/DIS 18104, Health informatics - Categorial structures for representation of nursing practice in terminological systems - 1/16/2023, $98.00

Information and documentation (TC 46)

ISO/DIS 21127, Information and documentation - A reference ontology for the interchange of cultural heritage information - 1/15/2023, $194.00

Lifts, escalators, passenger conveyors (TC 178)

ISO 25745-2:2015/DAmd 1, Energy performance of lifts, escalators and moving walks - Part 2: Energy calculation and classification for lifts (elevators) - Amendment 1: Express zones - 1/19/2023, $29.00

Machine tools (TC 39)

ISO/DIS 19085-12, Woodworking machines - Safety - Part 12: Tenoning/profiling machines - 1/19/2023, $125.00

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

ISO/DIS 3845, Oil and gas industries including lower carbon energy - Full ring ovalization test method for the evaluation of the cracking resistance of steel line pipe in sour service - 1/15/2023, $125.00

Natural gas (TC 193)

ISO/DIS 2614, Analysis of natural gas - Biomethane - Determination of terpenes content by micro gas chromatography - 1/16/2023, $46.00

Nuclear energy (TC 85)

ISO/DIS 24390, Nuclear energy - Nuclear fuel technology - Methodologies for radioactivity characterization of Very Low Level Waste (VLLW) produced by nuclear facilities - 1/16/2023, $71.00

Plastics (TC 61)

ISO/DIS 13927, Plastics - Simple heat release test using a conical radiant heater and a thermopile detector - 1/19/2023, $88.00

ISO/DIS 20200, Plastics - Determination of the degree of disintegration of plastic materials under composting conditions in a laboratory-scale test - 1/16/2023, $53.00

Road vehicles (TC 22)

ISO/DIS 8092-2, Road vehicles - Connections for on-board electrical wiring harnesses - Part 2: Definitions, test methods and general performance requirements - 1/12/2023, $119.00

Ships and marine technology (TC 8)

ISO/DIS 8728, Ships and marine technology - Marine gyro-compasses - 1/16/2023, $71.00

ISO/DIS 24060-2, Ships and marine technology - Ship software logging system for operational technology - Part 2: Electronic service reports - 1/15/2023, $33.00

Steel (TC 17)

ISO/DIS 6819, Steel wire rod for bridge cable wire - 1/16/2023, $46.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 24183, Technical Communication - Vocabulary - 1/19/2023, $82.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 16122-1, Agricultural and forestry machinery - Inspection of sprayers in use - Part 1: General - 1/19/2023, $53.00

ISO/DIS 16122-2, Agricultural and forestry machinery - Inspection of sprayers in use - Part 2: Horizontal boom sprayers - 1/19/2023, $77.00

ISO/DIS 16122-3, Agricultural and forestry machinery - Inspection of sprayers in use - Part 3: Sprayers for bush and tree crops - 1/19/2023, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 9594-11:2020/DAmd 1, Information technology - Open systems interconnection directory - Part 11: Protocol specifications for secure operations - Amendment 1 - 1/13/2023, $67.00

ISO/IEC DIS 9594-12, Information technology - Open systems interconnection - Part 12: The Directory: Key management and public-key infrastructure establishment and maintenance - 1/19/2023, $146.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/762/CD, IEC 61810-7-8 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-8: Timing, 12/23/2022

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

100/3839(F)/FDIS, IEC 63245-2 ED1: Spatial wireless power transfer based on multiple magnetic resonances - Part 2: Reference model, 12/02/2022

Electrical accessories (TC 23)

23B/1415/CDV, IEC 60669-2-4 ED2: Switches for household and similar fixed electrical installations - Part 2-4: Particular requirements - Isolating switches, 01/20/2023

Electromagnetic compatibility (TC 77)

77B/858/CD, IEC 61000-4-2 ED3: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test, 01/20/2023

Fibre optics (TC 86)

86B/4679/FDIS, IEC 61300-2-18 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-18: Tests - Dry heat, 12/09/2022

86B/4680/CD, IEC 61753-022-13 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 022-13: Multimode fibre optic connectors terminated as pigtails and patchcords for category OP+ HD - Extended outdoor protected environment with additional heat dissipation, 12/23/2022

Hydraulic turbines (TC 4)

4/450/CD, IEC TS 63111 ED1: Hydraulic turbines, storage pumps and pump-turbines - Hydraulic transient analysis, design considerations and testing, 01/20/2023

Insulating materials (TC 15)

15/948/CDV, IEC 60893-2 ED3: Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 2: Methods of test, 01/20/2023

Lamps and related equipment (TC 34)

34D/1681/FDIS, IEC 60598-2-2 ED4: Luminaires - Part 2-2: Particular requirements - Recessed luminaires, 12/09/2022

34D/1680/FDIS, IEC 62722-2-1 ED2: Luminaire performance - Part 2-1: Particular requirements - LED luminaires, 12/09/2022

Nuclear instrumentation (TC 45)

45B/1016/CD, IEC 62709 ED2: Radiation protection instrumentation - Security screening of humans - Measuring the imaging performance of X-ray systems, 01/20/2023

Power capacitors (TC 33)

33/685/FDIS, IEC 62146-2 ED1: Grading capacitors for high-voltage alternating current circuit-breakers - Part 2: TRV capacitors, 12/09/2022

Safety of measuring, control, and laboratory equipment (TC 66)

66/770(F)/FDIS, IEC 61010-031 ED3: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement, 11/11/2022

Secondary cells and batteries (TC 21)

21A/821/FDIS, IEC 61951-1/AMD1 ED4: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-cadmium, 12/09/2022

21/1155/CDV, IEC 63330 ED1: Requirements for reuse of secondary batteries, 01/20/2023

(TC 125)

125/70/CDV, IEC 63281-2-1 ED1: Personal e-Transporters - Part 2-1: Test method for total run time of e-scooter with consideration to environmental conditions of actual use, 01/20/2023

ISO/IEC JTC 1, Information Technology

JTC1-SC25/3123/CD, ISO/IEC 14763-5 ED1: Information technology - Implementation and operation of customer premises cabling - Part 5 Sustainability, 01/20/2023

JTC1-SC41/316/FDIS, ISO/IEC 30179 ED1: Internet of Things (IoT) - Overview and general requirements of IoT system for ecological environment monitoring, 12/23/2022

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

Aircraft and space vehicles (TC 20)

ISO 15388:2022, Space systems - Contamination and cleanliness control, $175.00

Bamboo and rattan (TC 296)

ISO 5946:2022, Bamboo-based activated carbon - General specifications, $73.00

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

ISO 8601-1:2019/Amd 1:2022, Date and time - Representations for information interchange - Part 1: Basic rules - Amendment 1: Technical corrections, $20.00

Mechanical testing of metals (TC 164)

ISO 14577-5:2022, Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 5: Linear elastic dynamic instrumented indentation testing (DIIT), $73.00

Metallic and other inorganic coatings (TC 107)

ISO 4530:2022, Vitreous and porcelain enamelled manufactured articles - Determination of resistance to heat, $48.00

ISO 28765:2022, Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges, $175.00

Paper, board and pulps (TC 6)

ISO 12625-18:2022, Tissue paper and tissue products - Part 18: Determination of surface friction, $73.00

Plain bearings (TC 123)

ISO 6834:2022, Plain bearings - Thermo-hydrodynamic lubrication design charts for circular cylindrical bearings under steady-state conditions, $149.00

Road vehicles (TC 22)

ISO 14229-1:2020/Amd 1:2022, Road vehicles - Unified diagnostic services (UDS) - Part 1: Application layer - Amendment 1, $20.00

Small craft (TC 188)

ISO 11591:2020/Amd 1:2022, Small craft - Field of vision from the steering position - Amendment 1, $20.00

Steel (TC 17)

ISO 14284:2022, Steel and iron - Sampling and preparation of samples for the determination of chemical composition, $200.00

Tourism and related services (TC 228)

ISO 13810:2022, Tourism and related services - Visits to industrial, natural, cultural and historical sites - Requirements and recommendations, $73.00

Valves (TC 153)

ISO 10497:2022, Testing of valves - Fire type-testing requirements, $111.00

Welding and allied processes (TC 44)

ISO 15615:2022, Gas welding equipment - Acetylene manifold systems for welding, cutting and allied processes- Safety requirements in high-pressure devices, $111.00

ISO Technical Reports

Blockchain and distributed ledger technologies (TC 307)

ISO/TR 3242:2022, Blockchain and distributed ledger technologies - Use cases, $250.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19566-7:2022, Information technologies - JPEG systems - Part 7: JPEG linked media format (JLINK), $175.00

ISO/IEC 23002-7:2022, Information technology - MPEG video technologies - Part 7: Versatile supplemental enhancement information messages for coded video bitstreams, $250.00

ISO/IEC 23092-3:2022, Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs), $250.00

ISO/IEC 29120-1:2022, Information technology - Machine-readable test data for biometric testing and reporting - Part 1: Test reports, $200.00

IEC Standards

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

IEC 62037-7 Ed. 1.0 b:2022, Passive RF and microwave devices, intermodulation level measurement - Part 7: Field measurements of passive intermodulation, $51.00

Electrical accessories (TC 23)

IEC 60799 Amd.1 Ed. 3.0 b:2022, Amendment 1 - Electrical accessories - Cord sets and interconnection cord sets, $25.00

IEC 60799 Ed. 3.1 b:2022, Electrical accessories - Cord sets and interconnection cord sets, $101.00

IEC 61543 Ed. 2.0 b:2022, Residual current-operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility, $89.00

Equipment for electrical energy measurement and load control (TC 13)

IEC 62052-41 Ed. 1.0 b:2022, Electricity metering equipment - General requirements, tests and test conditions - Part 41: Energy registration methods and requirements for multi-energy and multi-rate meters, $183.00

Fluids for electrotechnical applications (TC 10)

IEC 60867 Ed. 3.0 b:2022, Insulating liquids - Specifications for unused liquids based on synthetic aromatic hydrocarbons, $183.00

Secondary cells and batteries (TC 21)

IEC 61951-2 Amd.1 Ed. 4.0 b:2022, Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, $51.00

IEC 61951-2 Ed. 4.1 b:2022, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, $443.00

International Organization for Standardization (ISO)

Establishment of ISO Subcommittee

ISO/TC 197/SC 1 – Hydrogen at Scale and Horizontal Energy Systems

ISO/TC 197 – *Hydrogen technologies* has created a new ISO Subcommittee on *Hydrogen at Scale and Horizontal Energy Systems* (ISO/TC 197/SC 1). The Secretariat has been assigned to Canada (SCC).

ISO/TC 197/SC 1 operates under the following scope:

Standardization of large scale hydrogen energy systems and applications including aspects of testing, certification, sustainability and placement, and coordination with other relevant standardization bodies and stakeholders.

The Compressed Gas Association (CGA) has indicated its intent to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

Establishment of ISO Subcommittee

ISO/TC 67/SC 10 – Enhanced oil recovery

ISO/TC 67 – *Oil and gas industries including lower carbon energy* has created a new ISO Subcommittee on *Enhanced oil recovery* (ISO/TC 67/SC 10). The Secretariat has been assigned to China (SAC).

ISO/TC 67/SC 10 operates under the following scope:

Standardization of "Enhanced Oil Recovery" as applied to onshore and offshore and other EOR technologies.

Excluded: aspects related to CO2 capture, transportation, and geological storage being covered by ISO/TC 265.

The American Petroleum Institute (API) has indicated its intent to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, 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/IES Addendum d
to ANSI/ASHRAE/IES Standard 100-2018

First Public Review Draft

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

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed draft, go to the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/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).

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

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

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

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

FOREWORD

This proposed addendum adds U.S. regional energy conversion factors to the normative section of the standard that provides AHJs with the option to use regional U.S. energy conversion factor values for electricity. The values shown in the new table were reviewed and approved in ANSI/ASHRAE Standard 105, Standard Methods for Determining, Expressing and Comparing Building Energy Performance and Greenhouse Gas Emissions.

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 100-2018

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

3. DEFINITIONS

[…]

source energy: *site energy* plus the estimated energy consumed or lost in the extraction, processing, and transportation of *primary energy* forms such as coal, oil, natural gas, biomass, and nuclear fuel; energy consumed in conversion to other energy forms; and energy consumed or lost in transmission and distribution to the *building* site.~~energy consumed by a *building* as measured at the *building* converted using source (primary) energy conversion factors to account for the energy consumed in the extraction, processing, and transport of primary fuels such as coal, oil, and natural gas; energy losses in thermal combustion in power generation plants; and energy losses in transmission and distribution to the *building*.~~ See also *primary energy*.

[…]

Modify Section 5 as shown. The remainder of Section 5 is unchanged.

5. ENERGY MANAGEMENT PLAN

[…]

5.2.3 Energy Conversion Factors. *Site energy* and *source energy* shall be calculated according to the following methods.

5.2.3.1 Site Energy Conversion Factors. The *site energy* content of different forms of purchased energy shall be converted from the purchased unit to the standard *site energy* unit. If *site energy* conversion factors are not provided by the utility or fuel supplier, the conversion factors in Table 5-2a shall be used. (See also Informative Annex K.)

Informative Note: Form C can be used to calculate *site energy*.

5.2.3.2 Source Energy Conversion Factors. *Source energy* shall be calculated per the following equation:

$$Source\ Energy = (Site\ Energy \times SEF)_1 + (Site\ Energy \times SEF)_2 + \ldots + (Site\ Energy \times SEF)_n$$

where

$(Site\ Energy)_i$ = *site energy* associated with energy form *i* (where *i* equals 1 to *n*)

(SEF_i = *source energy* conversion factor associated with energy form *i* (where *i* equals 1 to *n*)

The *authority having jurisdiction* shall be permitted to:

a. Substitute the national electricity *source energy* conversion factor in Table 5-2b with the appropriate regional factor in Table 5-2c applicable to the building location
b. Substitute other *source energy* conversion factors for electricity and other energy forms following the processes and procedures incorporated within ANSI/ASHRAE Standard 105, *Standard Methods of Determining, Expressing and Comparing Building Energy Performance and Greenhouse Gas Emissions*
c. Substitute other locally appropriate *source energy* conversion factors

[…]

Table 5-2b U.S. Source Energy ~~Primary Energy~~ Conversion Factors

[…]

~~***Informative Note:*** Energy accounting and conversion factors shown in Table 5-2b are based on *site energy* using conversion factors in Table 5.2a converted to primary or *source energy*. Section 4.4.2 of the standard allows alternative *energy targets* established by the adopting *AHJ*. The *AHJ* may choose to use *site energy* to *source energy* conversion factors shown in Table 5-2b or may use other conversion factors following the process and procedures incorporated within ANSI/ASHRAE Standard 105, *Standard Methods of Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions*. The *AHJ* may also choose to use locally appropriate factors for source (primary) energy.~~

Informative Note: Energy accounting and conversion factors shown in Tables 5-2b and 5-2c are based on *site energy* using conversion factors in Table 5-2a converted to *source energy* for buildings in the United States. Section 4.4.2 of this standard allows alternative *energy targets* established by the adopting *AHJ*. The *AHJ* may use the captured energy efficiency approach or the infinite energy efficiency approach for regional conversion factors. For further information about these approaches, please see Appendix J and Appendix K of ANSI/ASHRAE Standard 105-2021.

[…]

Table 5-2c U.S. Regional Electricity Source Energy Conversion Factors

eGrid 2018 Sub-region Acronym	eGrid 2018 Sub-region Name	Source Energy Conversion Factor – Captured Energy Efficiency Approach	Source Energy Conversion Factor – Infinite Energy Efficiency Approach
AKGD	ASCC Alaska Grid	2.66	2.46
AKMS	ASCC Miscellaneous	1.91	1.21
ERCT	ERCOT All	2.51	2.31
FRCC	FRCC All	2.77	2.62
HIMS	HICC Miscellaneous	2.90	2.51
HIOA	HICC Oahu	3.51	3.06
MROE	MRO East	3.07	2.88
MROW	MRO West	2.69	2.35
NYLI	NPCC Long Island	3.36	2.79
NEWE	NPCC New England	2.77	2.26
NYCW	NPCC NYC/Westchester	2.94	2.88
NYUP	NPCC Upstate NY	2.23	1.72

Table 5-2c U.S. Regional Electricity Source Energy Conversion Factors

eGrid 2018 Sub-region Acronym	eGrid 2018 Sub-region Name	Source Energy Conversion Factor – Captured Energy Efficiency Approach	Source Energy Conversion Factor – Infinite Energy Efficiency Approach
RFCE	RFC East	2.95	2.83
RFCM	RFC Michigan	2.97	2.82
RFCW	RFC West	3.08	3.01
SRMW	SERC Midwest	3.14	3.08
SRMV	SERC Mississippi Valley	2.78	2.71
SRSO	SERC South	2.86	2.72
SRTV	SERC Tennessee Valley	2.94	2.81
SRVC	SERC Virginia/Carolina	2.99	2.81
SPNO	SPP North	2.67	2.37
SPSO	SPP South	2.61	2.31
CAMX	WECC California	2.07	1.55
NWPP	WECC Northwest	1.93	1.28
RMPA	WECC Rockies	2.59	2.27
AZNM	WECC Southwest	2.87	2.71

Informative Note: Energy accounting and conversion factors shown in Tables 5-2b and 5-2c are based on *site energy* using conversion factors in Table 5-2a converted to *source energy* for buildings in the United States. Section 4.4.2 of this standard allows alternative *energy targets* established by the adopting *AHJ*. The *AHJ* may use the captured energy efficiency approach or the infinite energy efficiency approach for regional conversion factors. For further information about these approaches, please see Appendix J and Appendix K of ANSI/ASHRAE Standard 105-2021.

Modify Section 7 as shown. The remainder of Section 7 is unchanged.

7. ENERGY-USE ANALYSIS AND TARGET REQUIREMENTS

[…]

7.1.2 Energy Targets…

7.1.2.1 Source Energy Targets with Custom Source Energy Conversion Factors. When an *authority having jurisdiction* uses a custom source energy conversion factor (any factors other than those in Table 5-2b), it shall use Tables 7-2c and 7-2d to generate *source energy* targets in conjunction with the *source energy* conversion factors used to calculate *source energy* in Section 5.2. Performance targets shall be calculated using the following equation:

$$EUI_{t1} = (ELUI_{t1} \times SEF_{el}) + (FEUI_{t1} \times SEF_{fe})$$

where

$ELUI_{t1}$ = electricity use target *EUI* from Table 7-2C

SEF_{el} = local *source energy* conversion factor for electricity

$FEUI_{t1}$ = fossil fuel *energy use target EUI* from Table 7-2d

SEF_{fe} = local *source energy* conversion factor for fossil fuel energy use

Informative Note: Tables 7-2c and 7-2d should not be applied separately for individual energy

sources. ~~The tables are used in accordance with Normative Annex A, Equation A-1, to determine the appropriate *source energy target*.~~

[…]

BSR/ASHRAE/IES Addendum g
to ANSI/ASHRAE/IES Standard 100-2018

Second Public Review Draft

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

Second Public Review (November 2022)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed draft, go to the ASHRAE website at **Error! Hyperlink reference not valid.**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).

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 independent substantive change draft of proposed Addendum g to Standard 100-2018 provides some clarification on how to interpret Figure 5-1, "Net Energy Concept" in calculating net energy use.

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

Addendum g to Standard 100-2018

Modify Section 5 as shown. The remainder of Section is unchanged.

5. ENERGY MANAGEMENT PLAN

[…]

5.2 Building Energy Monitoring…

5.2.1 Provide measured *net energy* consumption data for each *building*, including all forms of imported and exported energy from at least 12 consecutive months of data monitored in a period not to exceed two years prior to the efficiency audit. The *net energy* concept is illustrated in Figure 5-1 and is calculated in accordance with Section 5.2.4. A *building's net energy* use is:

[…]

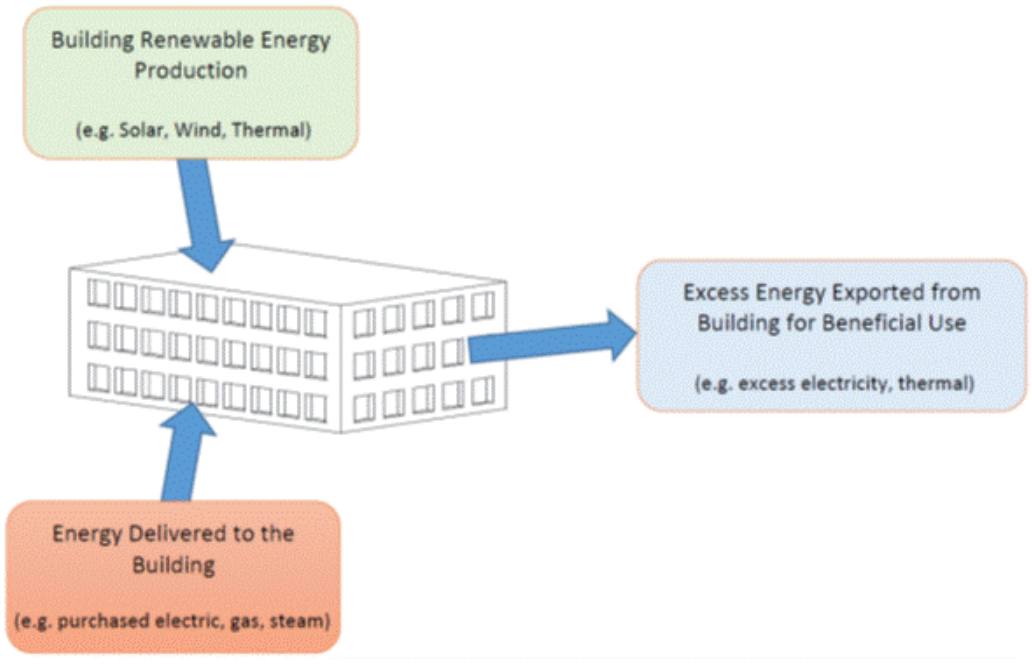

FIGURE 5-1 Net Energy Concept

Informative Note: As shown in Figure 5-1, a *building's* total energy use is the sum of on-site "*building* renewable energy production" provided to the *building* (if there is any) plus purchased "energy delivered to the *building*" minus any "excess energy exported from *building* for beneficial use." However, a *building's net energy* use does not include any energy that might be provided to the *building* from on-site "*building* renewable energy production." Therefore, the *net energy* use equation above does not mention "*building* renewable energy production."

Tracking number 25i22r1
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Revision to NSF/ANSI 25-2021
Issue 22 Revision 1 (October 2022)

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

NSF/ANSI Standard
for Food Equipment –

Vending Machines for Food and Beverages

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2 Normative References

•

~~APHA, *Standard Methods for the Examination of Water and Wastewater, 22nd Edition*~~

APHA/AWWA/WEF, *Standard Methods for the Examination of Water and Wastewater* (hereinafter referred to as *Standard Methods*), *22nd Edition*[1]

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NSF/ANSI 2, *Food Equipment*

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***Rationale**: These revisions update the normative reference list consistent with the remainder of the Food Equipment Standards.*

[1] American Public Health Association. 800 I Street, NW, Washington, DC 20001. <www.apha.org>

[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 Drinking Water Treatment Units

Drinking Water Treatment Units — Health Effects

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2 Normative references

The following documents contain requirements ~~provisions~~ that, by reference in this text, constitute requirements of this standard. At the time of publication, the indicated editions were valid. All of the documents ~~standards~~ are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents ~~standards~~ indicated below. The most recent published edition of the document shall be used for undated references.

21 CFR, *Food and Drugs,* Subchapter B, *Food for Human Consumption,* Parts 170-199[3]

40 CFR Part 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants*

40 CFR Part 141, *National Primary Drinking Water Regulations*[3]

40 CFR Part 143, *Other Safe Drinking Water Act Regulations*, Subpart A, *National Secondary Drinking Water Regulations*[3]

APHA/AWWA/WEF, *Standard Methods for the Examination of Water and Wastewater*~~,~~ (hereinafter referred to as *Standard Methods*)[4]

EPA-600/4-79-020, *Methods for the Chemical Analysis of Water and Wastes*, March 1983[5]

EPA-600/4-82-057~~EPA-600/4-84-053~~, *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, May 2002~~June 1984~~[5]

EPA-600/4-88-039, *Methods for the Determination of Organic Compounds in Drinking Water*, December 1988[5]

EPA-600/4-90-020, *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1,* July 1990[5]

EPA-600/4-91-010, *Methods for the Determination of Metals in Environmental Samples*, June 1993[5]

EPA-600/R-05-054, *Method 521: Determination of Nitrosamines in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography With Large Volume Injection and Chemical Ionization Tandem Mass Spectrometry (MS/MS)*, September 2004[5]

EPA-814/B-95-003, *ICR Protozoan Method for the Detecting Giardia Cysts and Cryptosporidium Oocysts in Water by a Fluorescent Antibody Procedure*, June 1995[5]

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[3] National Archives and Records Administration, Office of the Federal Register. 7 G Street NW, Suite A-734, Washington, DC 20401. <www.ecfr.gov>

[4] American Public Health Association, American Water Works Association, and Water Environment Federation. <www.standardmethods.org>

[5] US Environmental Protection Agency. 1200 Pennsylvania Avenue NW, Washington, DC 20004. <www.epa.gov>

EPA Method 100.1, *Analytical Method for Determination of Asbestos Fibers in Water*, formerly US EPA-600/4-83-043[5]

EPA Method 180.1, *Analytical Method for Determination of Turbidity by Nephelometry*[5]

NSF/ANSI 42, *Drinking Water Treatment Units – Aesthetic Effects*

NSF/ANSI 51*, Food Equipment Materials*

NSF/ANSI/CAN 60, *Drinking Water Treatment Chemicals – Health Effects*

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI/CAN 600, *Health Effects Evaluation and Criteria for Chemicals in Drinking Water*

ISO 12103-1:1997, *Road Vehicles – Test dust for filter evaluation – Part 1: Arizona test dust*~~SAE J726-1993, *Air Cleaner Test Code*~~[6]

Rationale: Updates introductory paragraph for consistency with other DWTU standards; corrects document number and publication year of an EPA document; adds EPA Method 180.1, NSF/ANSI 51, and NSF/ANSI/CAN 600, which are mentioned in the standard; and adds an ISO document which supersedes an SAE document.

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6 Minimum performance requirements

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6.12 Active agents and additives

Where an active agent or additive is used in the drinking water treatment process, the product water shall not contain that substance (or its degradation products) at a concentration of toxicological significance as given by the US EPA *Primary Drinking Water Regulations*,[5] by the Health Canada *Maximum Acceptable Concentrations*,[7] by any US federal regulatory agency, or at a concentration that exceeds constituent limits of the US EPA *Secondary Drinking Water Regulations*[5] for all sample points. If the substance does not have a maximum drinking water concentration established by US EPA or Health Canada, a TAC shall be established according to the requirements of NSF/ANSI/CAN 600N~~SF/ANSI 61, Annex A~~.

Rationale: Updates to the current standard.

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8 Instruction and information

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8.2 Data plate

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8.2.3 Where applicable and appropriate, the following information shall also be included:

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"Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts."

— ~~shere~~ where the physical size of the system does not permit affixing the caution statement, the statement shall be prominently displayed in the literature accompanying the system.

Rationale: Corrects a typo.

[6] International Organization for Standardization. Chemin de Blandonnet 8, Case Postale 401, 1214 Vernier, Geneva, Switzerland. <www.iso.org> ~~SAE International. 400 Commonwealth Drive, Warrendale, PA 15096. <www.sae.org>~~

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NSF/ANSI Standard
for Drinking Water Treatment Units –

Reverse Osmosis Drinking Water Treatment Systems

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

21 CFR, *Food and Drugs,* Subchapter B, *Food for Human Consumption,* Parts 170-199[3]

40 CFR Part 141, *National Primary Drinking Water Regulations*[3]

40 CFR Part 143, *Other Safe Drinking Water Act Regulations*, Subpart A, *National Secondary Drinking Water Regulations*[Error! Bookmark not defined.]

APHA/AWWA/WEF, *Standard Methods for the Examination of Water and Wastewater*, (hereinafter referred to as *Standard Methods*)[4]

EPA-600/4-79-020, *Methods for the Chemical Analysis of Water and Wastes*, March 1983[5]

EPA-600/4-82-057~~EPA-600/4-84-053~~, *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, May 2002~~June 1984~~[5]

EPA-600/4-90-020, *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1*, July 1990[5]

EPA-600/R-05-054, *Method 521: Determination of Nitrosamines in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography With Large Volume Injection and Chemical Ionization Tandem Mass Spectrometry (MS/MS)*, September 2004[5]

Rationale: Corrects document number and updates publication year.

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4 Materials

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4.5 Gas chromatography / mass spectroscopy (GC/MS) analysis

4.5.1 General requirements for GC/MS analysis

When determined to be required following a product-specific formulation review, US EPA Analytical Methods for semi-volatiles and volatiles that include mass spectral libraries shall be performed on products or components and shall include full range mass spectral libraries to monitor for nontarget compounds.

Testing for semivolatiles (e.g., US EPA Method 625, 528, or 525.2) and volatiles (e.g., US EPA Method 524.2 or 524.3) shall be conducted using the required target compounds in Tables 4.2 and 4.3 and the laboratory's RL shall be no greater than the RL's listed in Tables 4.2 and 4.3.

4.5.1.1 Target compounds shall be validated in accordance with the requirements of the referenced method. US EPA Methods 524.2 and 625 have specific validation requirements including precision and accuracy requirements as well as demonstration of sensitivity (method detection limit study or MDL).

For US EPA Method 625, the minimum instrument operation requirements for GC/MS analysis shall be in accordance with those protocols as defined by the method with the following modifications:

— to guard against significant drift from an initial instrument calibration to subsequent instrument batches, the average chromatographic peak area of each internal standard in the calibration curve shall be determined. The chromatographic peak area of each internal standard in the continuing calibration shall be greater than 50% and not more than 200% of that average~~;~~.

— due to the number of characteristics of the analytes associated with US EPA Method 625, while a continuing calibration check (CCC) is performed, concentrations of 10% of the target compounds for each analysis (e.g., base / neutral, base / neutral / acid, acid) shall be allowed to fall outside the range of 70% to 130% (outlier) of the true value. None of the concentrations shall be allowed to fall below 50% or above 200% of the true value. If a positive sample analyte result is identified for any outlier, a second CCC shall be performed. If the second CCC determines the sample analyte result no longer to be an outlier, the sample shall be reanalyzed. However, if the second CCC also determines the analyte to be an outlier, a new calibration curve shall be determined, and the sample shall be reanalyzed~~;~~.

~~NOTE —~~ At the laboratory's discretion, a calibration may be performed specifically for the compound in question, with the reporting of its data from this second calibration. It should be understood, that if the laboratory utilizes this approach (calibrating for the specific analyte) all method requirements as specified by US EPA Method 625 shall be achieved.

Rationale: Removes "NOTE —" from normative language.

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Revision to NSF/ANSI 170-2021

Issue 23 Revision 2 (October 2022)

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

NSF/ANSI Standard
for Food Equipment —

Glossary of Food Equipment Terminology

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3.XXX potable water: water that meets the water quality standards for drinking purposes as specified in the U.S. Environmental Protection Agency's National Primary Drinking Water Regulations, published in 40 CFR 141.

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3.XXX potable ice: ice that is made from potable water and manufactured in accordance with adequate standards and stored, transported, and handled in a sanitary manner.

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***Rationale**: New language to define the terms "potable water" and "potable ice" that are used in many food equipment standards (e.g. Standard 2, section 5.34.3; Standard 3, section 5.15.1; Standard 4, section 4.1.4; Standard 5, sections 4.2, 4.3.1, 5.6.1, 5.6.2.1; Standard 12, sections 5.23.3, 5.26.2; Standard 13, section 5.10; Standard 18, sections 5.21.4, 7.1; Standard 25, section 5.33.5; Standard 51, section 4.2.3.1; Standard 59, sections 5.32.3, 5.43.1, 5.43.2, 5.44.1, 5.51 and Standard 170 in the definitions for backflow, dipper well, fresh water, heat recovery equipment and rinse, post-sanitizing.)*

[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 –

Disinfection Mechanics

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5 Design and construction

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5.4 Data plate

A permanent data plate shall be provided. The plate shall be inscribed and installed so as to be easily seen and understood, and shall be permanently affixed at a location normally visible following recommended installation. It shall include the following:

— name and address (city and state) of manufacturer;
— model ~~and serial number~~ designation;
— Identification or tracking number options, including but not limited to:

- Batch number or;
- Lot number or;
- Date code or;
- Serial number; and

— rated daily flow capacity(ies).

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NSF/ANSI Standard
for Health Sciences –

Good Manufacturing Practices for Cosmetics

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4 Audit Requirements

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4.4 Support

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4 Audit Requirements

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4.4 Support

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4.4.29 Personnel, both permanent and temporary, shall be qualified and have adequate training, experience, or education, or both, necessary to perform job functions. [ISO 22716:2007 3.4.1, 3.4.2, 3.4.3]

4.4.30 ~~Personnel are trained in GMP defined in ISO 22716.~~ GMP training as appropriate to personnel job responsibilities shall be provided. [ISO 22716:2007 3.4.2]

~~**4.4.31** Newly hired personnel are trained in the duties assigned to them and the theory and practice of GMP. [ISO 22716:2007 3.4.3]~~

4.4.32 Personnel ~~are evaluated during and after training~~ shall be assessed for training comprehension. [ISO 22716:2007 3.4.4]

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NSF/ANSI/CAN Standard

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

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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Normative Annex 11
(formerly Annex O)

Water quality testing devices

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N-11.12 Accuracy testing

N-11.12.1 Accuracy levels for pH (range of operation 5 to 10)

L1	between 6.7 and 7.6	± 0.2 pH
	between 7.7 and 8.5	± 0.2 pH
L2	between 6.7 and 7.6	± 0.4 pH
	between 7.7 and 8.5	± 0.4 pH
L3	between 6.7 and 7.6	± 0.5 pH
	between 7.7 and 8.5	± 0.5 pH
	strip or comparator	within 1 increment of the expected value

N-11.12.2 Accuracy levels for chlorine; free and combined (range of operation 0 to 10 mg/L)

L1	between ~~0 and 2.8~~ 0 and 2.5	± ~~0.2 ppm~~ 12% or ± 0.3 ppm, whichever is greater
	between ~~2.8 and 7~~ 2.5 and 6	~~± 0.7 ppm~~ 15%
	between ~~7 and 10~~ 6 and 10	± ~~1.5 ppm~~ 20%
L2	between ~~0 and 1~~ 0 and 2.5	± ~~0.3 ppm~~ 20% or ± 0.5 ppm, whichever is greater
	between ~~1 and 2.8~~ 2.5 and 6	± ~~0.5 ppm~~ 25%
	~~between 2.8 and 5.5~~	~~± 1.0 ppm~~
	between ~~5.5 and 10~~ 6 and 10	± ~~2.5 ppm~~ 30%
L3	between ~~0 and 1~~ 0 and 2.5	± ~~0.4 ppm~~ 25% or ± 0.6 ppm, whichever is greater
	between ~~1 and 2.8~~ 2.5 and 6	± ~~0.8 ppm~~ 30%
	~~between 2.8 and 5.5~~	~~± 1.5 ppm~~
	between ~~5.5 and 10~~ 6 and 10	± ~~3.5 ppm~~ 35%
	strip or comparator	within 1 increment of the expected value

N-11.12.3 Accuracy levels for bromine; total (range of operation 0 to ~~20~~ 22 mg/L)

L1	between ~~0 and 6~~ 0 and 5.5	± ~~0.4 ppm~~ 12% or ± 0.7 ppm, whichever is greater
	between ~~6 and 14~~ 5.5 and 13	± ~~1.4 ppm~~ 15 %
	between ~~14 and 20~~ 13 and 22	± ~~3.0 ppm~~ 20%
L2	between ~~0 and 6~~ 0 and 5.5	± 1~~.0 ppm~~ 20% or ± 1.1 ppm, whichever is greater
	between ~~6 and 12~~ 5.5 and 13	~~± 2.0 ppm~~ 25%
	between ~~12 and 20~~ 13 and 22	± 3~~.0 ppm~~ 35%
L3	between ~~0 and 12~~ 0 and 5.5	± ~~2.0 ppm~~ 25% or ± 1.4 ppm, whichever is greater
	between ~~12 and 20~~ 5.5 and 13	± ~~4.0 ppm~~ 30%
	between 13 and 22	± 35%
	strip or comparator	within 1 increment of the expected value

N-11.12.4 Accuracy levels for hardness (range of operation 0 to 1,100 mg/L as $CaCO_3$)

L1	all solutions	± ~~5%~~ 15% or ± 15 ppm, whichever is greater
L2	all solutions	± ~~10%~~ 25% or ± 25 ppm, whichever is greater
L3	all solutions	± 50% or ± 50 ppm, whichever is greater
	strip or comparator	within 1 increment of the expected value

N-11.12.5 Accuracy levels for alkalinity (range of operation 30 to 220 mg/L as $CaCO_3$)

L1	all solutions	± ~~10%~~ 15% or ± 15 ppm, whichever is greater

L2	all solutions	± ~~20%~~ 25% or ± 25 ppm, whichever is greater
L3	all solutions	± 50% or ± 50 ppm, whichever is greater
	strip or comparator	within 1 increment of the expected value

N-11.12.6 Accuracy levels for cyanuric acid (range of operation 0 to 240 mg/L)

L1	between 0 and ~~35~~ 240	± 15% or ± 5 ppm, whichever is greater
	~~between 36 and 80~~	~~± 12%~~
	~~between 81 and 120~~	~~± 10%~~
	~~between 121 and 240~~	~~± 15%~~
L2	all solutions	± 20% or ± 10 ppm, whichever is greater
L3	all solutions	± 50% or ± 25 ppm, whichever is greater
	strip or comparator	within 1 increment of the expected value

N-11.12.7 Accuracy levels for TDS (range of operation 0 to 4,400 mg/L)

L1	all solutions	± ~~5%~~ 10% or ± 100 ppm, whichever is greater
L2	all solutions	± ~~10%~~ 25% or ± 250 ppm, whichever is greater
L3	all solutions	± 50% or ± 500 ppm, whichever is greater
	strip or comparator	within 1 increment of the expected value

N-11.12.8 Accuracy levels for salinity (range of operation 0 to 7150 mg/L)

L1	all solutions	± ~~5%~~ 10% or ± 100 ppm, whichever is greater
L2	all solutions	± ~~10%~~ 25% or ± 250 ppm, whichever is greater
L3	all solutions	± 50% or ± 500 ppm, whichever is greater
	strip or comparator	Within 1 increment of the expected value

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Table N-11.7
Cyanuric acid

Deionized water (mL)	Calcium hardness (mg/L as $CaCO_3$)	Magnesium hardness (mg/L as $CaCO_3$)	Free available chlorine (mg/L)	Temperature (°C)	pH	Total alkalinity (mg/L as $CaCO_3$)	Cyanuric acid (mg/L)
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	27 ± 1	7.4 ± 0.1	100 ± 10	15 ± 5
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	27 ± 1	7.4 ± 0.1	100 ± 10	30 ± 5
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	27 ± 1	7.4 ± 0.1	100 ± 10	50 ± 10
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	27 ± 1	7.4 ± 0.1	100 ± 10	100 ± 20
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	27 ± 1	7.4 ± 0.1	100 ± 10	200 ± 40
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	39 ± 1	7.4 ± 0.1	100 ± 10	15 ± 5
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	39 ± 1	7.4 ± 0.1	100 ± 10	30 ± 5
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	39 ± 1	7.4 ± 0.1	100 ± 10	50 ± 10
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	39 ± 1	7.4 ± 0.1	100 ± 10	100 ± 20
1,000	220 ± 30	80 ± 10	2.0 ± 0.2	39 ± 1	7.4 ± 0.1	100 ± 10	200 ± 40

NOTE – When testing CYA level results in greater than 80 ppm, perform a 2nd test with 1:1 dilution with DI or tap water, read result and multiply by 2 to verify level. Test kits may also use 1:1 dilution with DI or tap water to extend their direct reading range.

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NSF/ANSI/CAN Standard

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

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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3.XX Interlock: To interconnect equipment in such a way, in which the second (and subsequent, if applicable) equipment will not operate unless the circulation equipment operates under prescribed conditions.

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11 Mechanical chemical feeding equipment

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11.11 Operation and installation instructions

The manufacturer shall supply operation and installation instructions with each mechanical chemical feeder. These instructions shall include the following:

— diagrams and a parts list to facilitate the identification and ordering of replacement parts;

— installation, operation, and maintenance instructions;

— reference to flooded suction installation and prevention of cross connections;

— reference to recommended use chemicals and maximum use concentrations;

— caution statement to address potentially hazardous conditions due to chemical overdosing (see Section 11.10);

— reference to one or more methods to stop chemical feed automatically when no return flow to the swimming pool or hot tub exists;

— model number of the unit; and

— applicable caution statements (prominently displayed).

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19 Automated controllers

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19.7 Operational protection

19.7.1 The automated controller shall ~~have an automatic mechanism~~ interface to an interlock ~~for~~ to prevent~~ing~~ the operation of any chemical feeder actuated by the controller whenever water circulation at the chemical injection points is interrupted.

19.7.2 The controller shall automatically ~~turn off the equipment~~ disable chemical feed equipment actuated by the controller when:

— a parameter maintained by the automated controller remains outside the set point range ~~for~~ period longer than the manufacturer's recommended overfeed time limit; and

— an equipment operation cycle (e.g., chemical feed cycle) exceeds the manufacturer's recommended time limit.

19.8 Operation and installation instructions

The manufacturer shall supply installation and operation instructions with each automated controller. These instructions shall include the following:

— proper installation, operation, and maintenance instructions; installation instructions shall document how the controller should be wired in order to provide for electrical interlock for chemical feeders with a circulation pump;

— diagrams and a parts list to facilitate the identification and ordering of replacement parts;

— replacement probe or sensor model numbers;

— maximum external load rated in volts and amps;

— caution statement warning the user that the automatic controller should not be installed where it is accessible to the public; and

— applicable operating ranges (such as pH and ORP minimum and maximum) for the automated controller.

BSR/UL 4248-14, Standard for Fuseholders - Part 14: Supplemental Fuseholders

1. 1. Proposed First Edition of the Standard for Fuseholders - Part 14: Supplemental Fuseholders

PROPOSAL

1.2 These requirements apply to fuseholders intended for use with Supplemental Fuses as described in NMX-J-009/248/14-ANCE, CSA C22.2 No. 248.14, UL 248-14, Low-Voltage Fuses – Part 14: Supplemental Fuses.

7.1 For supplemental fuseholders intended for fuses which have a principal dimension exceeding 20 mm (0.8 in), excluding the leads or terminals, the requirement for markings in Part 1 applies.

7.2 For supplemental fuseholders intended for fuses which have no principal dimension exceeding 20 mm (0.8 in), excluding the leads or terminals, the markings shall be as follows:

a) The manufacturer's name, trademark, or both;

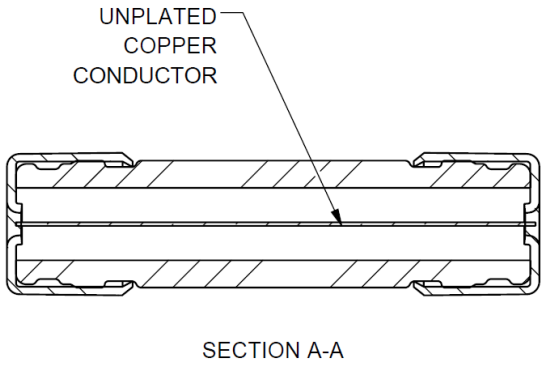
b) Catalogue number or equivalent;

c) Wire terminals if intended for field wiring; and

d) Other required markings from the Part 1 may be on the fuseholder or in associated literature

9.2.4 Dummy fuses not specified in 9.2.2 or 9.2.3 shall be constructed by using body and end caps or terminals (as applicable) of the intended fuse and soldering an unplated copper conductor to the end caps or terminals conforming to the conductor size in Table 9.2. Figure 9.1 is an example of the dummy fuse.

Figure 9.1
Example of Dummy Fuse



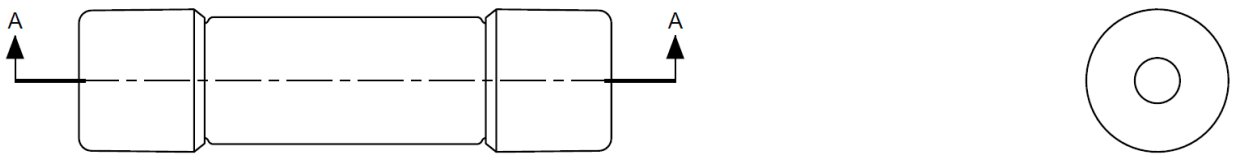


Table 9.2
Size of Copper Conductors for Dummy Fuses

Fuse rating, A	Conductor size, AWG
≤5	18
5.1 to10	16
10.1 to15	14
15.1 to 20	12
20.1 to 30	10
30.1 to 60	6

Note: A smaller size AWG may be used if agreed upon by Manufacturer and Certification Body/laboratory.

UL 47, Standard for Safety for Semiautomatic Fire Hose Storage Devices

1. Update of UL 47

PROPOSAL

1.2 Requirements for the installation, use, and care of hose storage devices and fire hose are included in the following standards of the National Fire Protection Association:

a) Installation of Standpipe~~, Private Hydrants,~~ and Hose Systems, NFPA 14; and

5.2 FULL FLOW CONDITIONS - The flow rate at the rated ~~service~~ pressure with the nozzle in a fully-open position and the fire hose fully extended.

6A Rated Pressure

6A.1 A SHSD shall be constructed for a rated pressure of ~~150 psi (1034 kPa) or~~ 175 psi (1206 kPa).

12.2 A cabinet may be for surface, semi-recessed, or fully recessed installation to building walls. The mounting and support of the cabinet shall be independent of the fire hose rack or piping connection to the standpipe.

7.4 An SHSD that utilizes a collapsible hose shall be provided with a device to retain the water within the first three loops of the fire hose at the standpipe end when the inlet to the hose is subjected to water at the rated ~~service~~ pressure. See 11.1(d) and 16.2.

BSR/UL 399, Standard for Safety for Drinking-Water Coolers

1. Proposed revision to be equivalent with UL 541 and ANSI/ASHRAE 15

PROPOSAL

SB3.2 The charge size for water coolers shall be based on the flammability class of the refrigerant being used as described in the Standard for Designation and Safety Classification of Refrigerants, ANSI/ASHRAE 34 and shall not exceed the following:

a) 17.6 oz (500 g)~~9.6 oz (270 grams)~~ for a Class 2 refrigerant.

b) 4.6 oz (130 g)~~2.0 oz (60 grams)~~ for a Class 3 refrigerant

SB6.2.3 The installation and operating instructions shall indicate that:

a) Component parts shall be replaced with like components;

b) Servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service; and

c) A drinking water cooler having a flammable refrigerant shall not be intended for use in lobbies or locations of egress, such as a hallway or public corridor, if the flammable refrigerant charge amount exceeds three times the refrigerant lower flammable limit (3 x LFL) as expressed in kilograms per cubic meter (kg/m^3); and,

d) The refrigerant lower flammable limit for the kind of refrigerant specified on the drinking water cooler nameplate.

BSR/UL 1638, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories

1. Proposed Binational Sixth Edition of ANSI/UL 1638 and Fifth Edition of CAN/ULC 526, Standard for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories

PROPOSAL

9.1.7 A visible signaling device intended for either flush or surface mounting in a back box shall use a standard enclosure that ~~is approved~~has been evaluated for the intended use or an enclosure which complies with the requirements of this Standard.

9.7.1 A gasket used to seal an opening between two parts that are intended to be separated in the field for installation or maintenance shall comply with the ~~Accelerated~~ Air-Oven Aging Test, 37.2. The gasket shall be secured with adhesive or a mechanical means to one of the mating surfaces. The gasket and the securing means shall not be damaged when the joint is opened following the exposure in 37.2.

9.7.2 A gasket used as an environmental seal shall be of a material that is suitable for its application by complying with the ~~Accelerated~~ Air-Oven Aging Test, 37.2, and the requirements in this section. A gasket used exclusively as an acoustical seal on a combination audible and visible signaling device is not required to be subjected to the requirements in 9.7.

9.7.3 Complete assembled samples employing gaskets shall be evaluated for integrity by complying with the requirements in the Variable Ambient Temperature Test (Section 26), Humidity Test (Section 27), and ~~Accelerated~~ Corrosion Tests (Section 33). When intended for outdoor use, the sample shall also comply with the Water Spray Test (Section 34).

10.1 Ferrous metal, iron and steel parts other than bearings and similar parts where such protection is impractical, shall be protected against corrosion by enameling, galvanizing, plating, or other equivalent means. Refer to ~~Accelerated~~ Corrosion Tests, Section 33.

Exception No. 1: This requirement does not apply to parts such as washers, screws, bolts, and the like, if failure of such unprotected parts would not be likely to result in a risk of fire or electrical shock, or affect the performance of the notification appliance.

Exception No. 2: Parts made of stainless steel, polished or treated, do not require additional protection against corrosion.

20.5.3 Each emergency or private mode visible signal device shall produce a light output not less than 80 percent of that marked on the visible signal device when tested after each of the following tests:

a) Endurance, Section 25;

b) Variable Ambient Temperature, Section 26;

c) Jarring, Section 30;

d) Vibration, Section 31;

e) ~~Accelerated~~ Corrosion Tests, Section 33;

f) Water Spray, Section 34; (for outdoor use)

g) Ultraviolet Light and Water Exposure, 37.5; (for outdoor use)

h) Mechanical Strength Tests for Enclosures, Section 38; and

i) Interference from Radio Frequency and Electromagnetic Radiation, Section 39.

Refer to Annex C for test requirements and sample test sequence.

20.6.3 The maximum number of visible signal devices, as indicated in the installation instructions, are to be interconnected together and each of the devices are to be placed in a position of normal use and positioned so that the light output of each visible signal device is directed at a photo transistor switch circuit. The leading edge of the first detected visible signal to flash to the trailing edge of the last visible signal to flash, shall be within 10 ms of the pulse width of a single visible signal. The visible signal devices under test are to be operated in an area where the ambient light condition is less than 10 % of the effective illumination produced by any one visible signal device. During signal operation, the room is to be monitored for any abnormal light conditions.

26.3.1.4 A signaling device intended for outdoor use in damp or wet locations is to be mounted as described in 20.3, Black Box Test Procedure for Public Mode Signaling, and the black box placed in an air circulating environmental chamber. The sample is then momentarily energized to verify that it is operational before being subjected to 20 cycles of temperature and humidity cycling. A temperature cycle consists of a change from a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H. to the lower the temperature indicated below for a period of 30 min, and back to a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H. The rate of change is to be 2 ±1 °C (3.6 ±1.8 °F) per min. During the exposure the visible signaling device is not to be energized, except as noted between exposures.

a) -40 ±5 °C (-40 ±9 °F); or

b) The lowest ambient operating temperature specified in the product's marking installation instructions or on its marking.

26.3.2.3 A visible signaling device intended for indoor use in damp or wet locations is to be mounted as described in 20.3, Black Box Test Procedure for Public Mode Signaling, and the black box placed in an air circulating environmental chamber. The sample is then momentarily energized to verify that it is operational before being subjected to 20 cycles of temperature and humidity cycling. A cycle consists of a change from a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H.. to the higher temperature indicated in 26.3.2.2 for a period of 30 min, and back to a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H.. The rate of change is to be 2 ±1 °C (3.6 ±1.8 °F) per min. During exposure the signaling device is not energized, except as noted between exposures.

26.3.2.4 A visible signaling device intended for outdoor use in damp or wet locations is to be mounted as described in 20.3, Black Box Test Procedure for Public Mode Signaling, and the black box placed in an air circulating environmental chamber. The sample is then momentarily energized to verify that it is operational before being subjected to 20 cycles of temperature and humidity cycling. A cycle consists of a change from a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H. to the higher of the temperatures indicated below for a period of 30 min, and back to a temperature of 25 ±5 °C (77 ±9 °F) at a humidity of 95 ±5 % R.H.. The rate of change is to be 2 ±1 °C (3.6 ±1.8 °F) per min. During exposure the signaling device is not energized except as noted between exposures.

a) 66 ±5 °C (151 ±9 °F), 95 ±5 % R.H.; or

b) The highest ambient operating temperature specified in the manufacturer's published instructions or on its marking.

32.2 A cord provided for field wiring shall withstand for 1 min, ~~a~~ 156 N (35 lb-f) without any evidence of damage, or transmittal of the stress, to internal connections.

33 ~~Accelerated~~ Corrosion Tests

37.1.1 Polymeric materials used for the sole support of current-carrying parts, or for all or part of an enclosure of a visible signaling device, shall be subjected to the tests in ~~Accelerated~~ Air-Oven Aging (Temperature), 37.2 and Flame, 37.3 and 37.4. Where possible, a complete visible signaling device shall be used.

37.2 ~~Accelerated a~~Air-oven aging test (temperature)

INSTRUCTIONS