ANSI STANDARDS ACTION

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CONTENTS

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Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 175-202x, Standard for Interpreting and Reporting DNA Test Results Associated with Failed Controls and Contamination Events (new standard)

Stakeholders: Forensic DNA analysis practitioners. Criminal justice system will be the end users. People accused of crimes.
Project Need: There are scenarios where it may be possible to interpret, compare, and report data with some level of confidence, even if the data are associated with a contamination event (of a sample or control) or the failure of a control. Evaluation and reporting of the possibly compromised data in some cases may provide critical and valid information to support the investigation of a criminal case, for example excluding a person of interest. This standard provides requirements for a laboratory to evaluate data under these conditions for the suitability of interpretation, comparison, and providing a conclusive statement for some of the results without simply reporting “inconclusive” as has been a practice historically in the field.
Scope: This standard provides requirements for the interpretation, comparison, and reporting of DNA data associated with control failures or contamination where re-testing is not performed. These requirements may be applied to any type of forensic DNA testing technology and methodology used in forensic laboratories.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org
Contact: Laura Klineburger; accreditation@astm.org

Revision

BSR/ASTM E2536-202x, Standard Guide for Assessment of Measurement Uncertainty in Fire Tests (revision of ANSI/ASTM E2536-2015a)

Stakeholders: Terminology and Services/Functions industries.
Project Need: Users of fire test data often need a quantitative indication of the quality of the data presented in a test report. This quantitative indication is referred to as the “measurement uncertainty”. There are two primary reasons for estimating the uncertainty of fire test results.
Scope: This guide covers the evaluation and expression of uncertainty of measurements of fire test methods developed and maintained by ASTM International, based on the approach presented in the GUM. The use in this process of precision data obtained from a round robin is also discussed.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org
Contact: Laura Klineburger; accreditation@astm.org

Revision

BSR/ASTM F1878-202x, Standard Guide for Escort Vessel Evaluation and Selection (revision of ANSI/ASTM F1878-2009 (R2015))

Stakeholders: General requirements; Industries.
Project Need: This guide presents some methodologies to predict the forces required to bring a disabled ship under control within the available limits of the waterway, taking into account local influences of wind and sea conditions.
Scope: This guide covers the evaluation and selection of escort vessels that are to be used to escort ships transiting confined waters.

AWS (American Welding Society)

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

Reaffirmation

BSR/AWS A5.6/A5.6M-2008 (R202x), Specification for Copper and Copper-Alloy Electrodes for Shielded Metal Arc Welding (reaffirmation of ANSI/AWS A5.6/A5.6M-2008 (R2017))

Stakeholders: Welding industry.
Project Need: Reaffirming that this standard is still good.
Scope: This specification prescribes the requirements for classifications of copper and copper-alloy electrodes for shielded metal arc welding. Classification is based on chemical composition, mechanical properties, and usability of the electrodes. Additional requirements are included for manufacture, sizes, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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

Reaffirmation

BSR/AWS A5.7/A5.7M-2007 (R202x), Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes (reaffirmation of ANSI/AWS A5.7/A5.7M-2007 (R2017))

Stakeholders: Welding industry.
Project Need: Reaffirming that this standard is still good.
Scope: This specification prescribes the requirements for classifications of copper and copper-alloy electrodes and rods for gas shielded metal arc, gas shielded tungsten arc, and plasma arc welding. Classification is based on chemical composition of the filler metal. Additional requirements are included for manufacture, sizes, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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Revision

BSR/AWS A5.26/A5.26M-202X, Specification for Carbon and Low-Alloy Steel Electrodes for Electrogas Welding (revision of ANSI/AWS A5.26/A5.26M-2020)

Stakeholders: Welding industry.
Project Need: Updating for new practices.
Scope: Classification requirements are specified for solid and tubular electrodes for electrogas welding. The requirements include chemical composition of the electrode for solid electrodes and of weld metal for tubular electrodes, in addition to the mechanical properties and soundness of weld metal taken from a groove weld made with these electrodes using the prescribed welding procedure. Additional requirements are included or referenced for standard sizes, marking, manufacturing, and packaging. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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

Revision

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

Stakeholders: Welding industry.
Project Need: Updating for new practices.
Scope: This specification prescribes the requirements for classification of solid low-alloy steel electrodes and rods, composite stranded low-alloy steel electrodes and rods, and composite metal-cored low-alloy steel electrodes and rods for gas-shielded welding processes including gas metal arc welding, gas tungsten arc welding, and plasma arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite metal cored electrodes and rods, and the as-welded or postweld heat-treated mechanical properties of the weld metal for each. Additional requirements are included for manufacture, sizes, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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Revision

BSR/AWS A5.29/A5.29M-202X, Specification for Low-Alloy Steel Electrodes for Flux-Cored Arc Welding (revision of ANSI/AWS A5.29/A5.29M-2021)

Stakeholders: Welding industry.
Project Need: Updating for new practices.
Scope: This specification prescribes the requirements for classification of low-alloy steel electrodes for flux-cored arc welding. The requirements include chemical composition and mechanical properties of the weld metal and certain usability characteristics. Optional supplemental designators are also included for improved toughness and diffusible hydrogen. Additional requirements are included for standard sizes, marking, manufacturing, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of low-alloy steel flux-cored electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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

Revision

BSR/AWS A5.39/A5.39M-202x, Specification for Flux and Electrode Combinations for Submerged Arc and Electroslag Joining and Surfacing of Stainless Steel and Nickel Alloys (revision of ANSI/AWS A5.39/A5.39M-2020)

Stakeholders: Welding industry.
Project Need: Updating for new practices.
Scope: This specification prescribes the requirements for the classification of flux-electrode combinations used with submerged arc or electroslag joining or surfacing using stainless steel and nickel alloys. Electrode classification is per AWS A5.9/A5.9M for solid and stranded stainless steel electrodes, A5.14/A5.14M for solid and stranded nickel-alloy electrodes, A5.22/A5.22M for cored stainless steel electrodes, and A5.34/A5.34M for cored nickel-alloy electrodes. Flux-electrode joining classification is based on the mechanical properties and the composition of weld metal produced with the flux and a specific electrode. Flux-electrode surfacing classification is based on the composition of the weld metal produced with the flux and a specific electrode. The form and usability of the flux are also included. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of submerged arc and electroslag fluxes and electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

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Contact: Rakesh Gupta; gupta@aws.org

National Adoption

BSR/AWS A5.32M/A5.32-202X (ISO 14175-202X MOD), Welding Consumables - Gases and Gas Mixtures for Fusion Welding and Allied Processes (national adoption of ISO 14175 with modifications and revision of ANSI/AWS A5.32M/A5.32-2021 (ISO 14175-2008 MOD))

Stakeholders: Welding industry.
Project Need: Updating for new practices.
Scope: This standard prescribes the requirements for the classification of gases and gas mixtures used in fusion welding and allied processes to chemically shield filler material, base metal, or weld metal. Classification is based on chemical composition of the more popular single and multi-component gases. Additional requirements are included for purity and moisture of individual gas components, testing, re-testing, packaging, and cylinder or container labeling. An annex is appended to the standard as a source of information concerning the classification system and the intended use of the gases and gas mixtures. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE 360-202X, Standard for Wearable Consumer Electronic Devices - Overview and Architecture (new standard)

Stakeholders: Consumers; wearable components; hardware and software manufacturers; wearable, smartphone, and cloud application developers; and health, fitness, and other application service providers.
Project Need: There exists a vast amount of (and expecting even more) wearable-type consumer electronics in the market, claiming to support various features, e.g., steps counting, heart rate monitoring, sleep monitoring, location tracking, etc. However, consumers are often confused by the reliability and quality of these features, or even concerned with this type of products, e.g., whether they are safe and comfortable to wear and whether user privacy is protected. This project seeks to address these concerns by providing standards that can regulate and qualify wearables, for their safeness and suitableness to wear, and conformance and quality of their functions.
Scope: This standard gives the overview, terminology, and categorization for Wearable Consumer Electronic Devices (or Wearables for short). It further outlines an architecture for a series of standard specifications that define technical requirements and testing methods for different aspects of Wearables, from basic security and suitableness of wear, to various functional areas like health, fitness, and infotainment, etc.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE N42.46-202X, Standard for Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening (new standard)

Stakeholders: Government organizations including the United States Department of Homeland Security (US DHS), United States Department of Energy (US DOE), United States Nuclear Regulatory Commission (US NRC), United States Department of Defense (US DOD), and many equipment manufacturers.
Project Need: To revise N42.46-2008 to reflect evolution of equipment and lessons learned from application of previous version of standard and to transpose this standard to be an IEEE standard.
Scope: This standard defines tests to determine imaging performance of x-ray and gamma-ray systems utilized to inspect loaded or empty vehicles, including personal and commercial vehicles of any type; marine and air cargo containers of any size; railroad cars; and palletized or unpalletized cargo larger than 1 meter by 1 meter in cross-section. The standard applies to systems that are:
- single or multiple energy, source, or view;
- primary (i.e., transmission) and/or scatter (e.g., backscatter) radiation detection;
- used to detect prohibited and controlled materials and/or to verify manifests; and
- primarily imaging systems but also may have complementary features such as material discrimination and automatic active or passive threat alerts.
This standard does not address how to test these complementary features. Mechanical and electrical safety requirements and compatibility with all applicable installation codes, including electromagnetic compatibility requirements, are not within the scope of this standard.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE N42.59-202X, Standard for Measuring the Imaging Performance of Millimeter-Wave Systems for Security Screening of Humans (new standard)

Stakeholders: Government agencies including the U.S. Department of Defense, U.S. Department of Homeland Security (including the Transportation Security Laboratory), Transportation Security Administration (TSA), National Institute of Standards and Technology, U.S. Department of Justice, and more generally, law enforcement, criminal justice, and emergency services at the federal, state, local, and tribal levels.
Project Need: The U.S. Transportation Security Administration (TSA) and other stakeholders have requested the development of this standard to measure technical performance for the systems using millimeter waves installed at airports.
Scope: This standard defines a set of Image Quality Indicators (IQIs) that may be used by security screening systems that utilize millimeter wave (MMW) radiation to actively inspect persons who are not inside vehicles, containers, or enclosures. The standard's IQIs apply to systems used to detect objects carried on the body of the individual being exposed. For the purposes of this standard, the test objects are appropriately applied to systems that use probe radiation from 3 GHz to 150 GHz (100 mm to 2 mm). Each IQI has a specified test phantom, test method, and objective analysis algorithm. The imagery that is the focus of this standard is that presented to the Automated Threat Recognition (ATR) algorithm, not the image presented to a human screener.

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org
Contact: Michael Leibowitz; mike.leibowitz@nema.org

Revision

BSR NEMA MG 1-202x, Motors and Generators (revision of ANSI NEMA MG 1-2021)

Stakeholders: Motor manufacturers, electrical system design engineers, HVAC, processing, material handling, and water and wastewater industries.
Project Need: To revise and replace NEMA MG 1-2016, and incorporate separately approved revisions dated 2018.
Scope: Provides practical information concerning performance, safety, test, construction, and manufacture of alternating- current and direct-current motors and generators within the product scopes defined in the applicable section or sections therein.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org
Contact: Kezhen Shen; Kezhen.Shen@nema.org

Revision

BSR/NEMA 250-202x, Enclosures for Electrical Equipment (1000 Volts Maximum) (revision of ANSI/NEMA 250-2020)

Stakeholders: Enclosure manufacturers, AHJs, electrical contractors, designers, and specifiers.
Project Need: This standard needs to be revised to include a corrosion hose-down ancillary rating.
Scope: This Standard covers enclosures for electrical equipment rated not more than 1000 Volts and intended to be installed and used as follows: (a) enclosures for indoor locations, Types 1, 2, 5, 12, 12K, and 13; (b) enclosures for indoor or outdoor locations, Types 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 6, and 6P; and (c) enclosures for hazardous (classified) locations Types 7 and 9.

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 12-202x, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This standard contains minimum requirements for carbon dioxide fire-extinguishing systems. This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field.

NFPA (National Fire Protection Association)

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

BSR/NFPA 80A-202x, Recommended Practice for Protection of Buildings from Exterior Fire Exposures (revision of ANSI/NFPA 80A-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This recommended practice addresses separation distances between buildings to limit exterior fire spread based on exterior openings and other construction features.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 101A-202x, Guide on Alternative Approaches to Life Safety (revision of ANSI/NFPA 101A-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This edition of NFPA 101A contains alternative approaches that are tied to NFPA 101. Each of these systems is recognized by the Life Safety Code, in its Annex A, as a method that can be used to assist the authority having jurisdiction in determining equivalent compliance with various chapters of the Code. The method described in this guide is an index method. Index methods are a type of qualitative risk assessment. Quantitative risk assessments can also be used to evaluate designs that are proposed as alternative approaches to life safety.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 150-202x, Fire and Life Safety in Animal Housing Facilities Code (revision of ANSI/NFPA 150-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This Code shall provide the minimum requirements for the design, construction, fire protection, and classification of animal housing facilities. Animal housing facilities shall be designed, constructed, and maintained in accordance with the adopted building, fire, and life safety codes and the requirements in this standard. Where requirements of this Code differ from the adopted fire prevention, life safety, and building codes, the requirements of this Code shall govern the protection of the animal occupants and animal handlers.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 241-202x, Standard for Safeguarding Construction, Alteration, and Demolition Operations (revision of ANSI/NFPA 241-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This standard shall apply to structures in the course of construction, alteration, or demolition, including those in underground locations. General requirements applying to construction and demolition are contained in Chapter 1 and Chapters 3 through 4; specific requirements for construction and alteration activities are found in Chapter 8; those requirements specific to roofing operations are covered in Chapter 10; those requirements specific to demolition activities are covered in Chapter 9; and specific requirements for activities in underground locations are contained in Chapter 11.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 400-202x, Hazardous Materials Code (revision of ANSI/NFPA 400-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This code shall apply to the storage, use, and handling of the following hazardous materials in all occupancies and facilities: (1) Ammonium nitrate solids and liquids; (2) Corrosive solids and liquids; (3) Flammable solids; (4) Organic peroxide formulations; (5) Oxidizer — solids and liquids; (6) Pyrophoric solids and liquids; (7) Toxic and highly toxic solids and liquids; (8) Unstable (reactive) solids and liquids; (9) Water-reactive solids and liquids; (10)Compressed gases and cryogenic fluids as included within the context of NFPA 55, Compressed Gases and Cryogenic Fluids Code It is not intended that NFPA 400 regulate compressed gases or cryogenic fluids outside of the scope of NFPA 55, Compressed Gases and Cryogenic Fluids Code, including LPG as regulated by NFPA 58, Liquefied Petroleum Gas Code, fuel gas as regulated by NFPA 54, National Fuel Gas Code, vehicular fuels as regulated by NFPA 52, Vehicular Gaseous Fuel Systems Code, or LNG as regulated by NFPA 59, Utility LP-Gas Plant Code. Refer to the specific exemptions referred to in 21.1.1.2. Manufacturing operations are covered by this code when the manufacturing operation involves the storage or use of hazardous materials regulated by this code. When quantities...

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1124-202x, Code for the Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles (revision of ANSI/NFPA 1124-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This code shall provide regulations for the construction, use, and maintenance of buildings and facilities for the following:
(1) The manufacture and storage of fireworks, novelties, and pyrotechnic articles at manufacturing facilities;
(2) The storage of display fireworks, pyrotechnic articles, salute powder, pyrotechnic and explosive compositions, and black powder at other than display sites;
(3) The storage of consumer fireworks at display fireworks storage facilities; and
(4) The transportation on public highways of fireworks, pyrotechnic articles, and components thereof containing pyrotechnic or explosive materials.
This code shall not apply to the retail sales and related storage of consumer fireworks at the same site.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1125-202x, Code for the Manufacture of Model Rocket and High-Power Rocket Motors (revision of ANSI/NFPA 1125-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This code shall apply to the manufacture of model and high-power rocket motors designed, sold, and used for the purpose of propelling recoverable aero models.
This code shall apply to the design, construction, and reliability of model and high-power rocket motors and model rocket and high-power motor-reloading kits and their components, and to the limitation of propellant mass and power.
This code shall not apply to the sale and use of the following:
(1) Model rocket motors (covered by NFPA 1122); and
(2) High-power rocket motors (covered by NFPA 1127).
This code shall not apply to the manufacture, transportation, and storage of fireworks. This code shall not apply to the manufacture, transportation, and storage of rocket motors by the United States military or other agencies or political subdivisions of the United States. This code shall not apply to the assembly of reloadable model or high-power rocket motors by the user. This code shall not apply to the fabrication of model rocket motors or high-power rocket motors by individuals for their personal use.

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302 | Baltimore, MD 21211 www.niso.org
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New Standard

BSR/NISO Z39.105-202x, Content Profile/Linked Document (new standard)

Stakeholders: Publishers and distributors of scholarly research outputs, product owners, publishing suppliers, software developers, and libraries.
Project Need: Users demand the delivery of contextualized, targeted content delivered as a natural part of their workflow; publishers aspire to produce machine-actionable FAIR (Findable, Accessible, Interoperable, Reusable) materials, but many publishing workflows are complicated in order to enable print and digital outputs.
Scope: This standard is an application of HTML5 and JSON-LD to create semantic relationships between data elements in scholarly publishing workflows and express machine-actionable content, to ease reuse and interchange of scholarly research information. The format description defines a set of rules that outline the minimal characteristics of documents (Linked Documents) that conform to the standard and a mechanism to define more detailed Content Profiles that extend and refine the rules for specific-use cases.

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue | Mesa, AZ 85210 www.vita.com
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New Standard

BSR/VITA 78.2-202x, SpaceVPX System Standard - Profile Tables (new standard)

Stakeholders: Manufactures and users of VPX modules for critical embedded systems.
Project Need: Provide standard for use of OpenVPX in Space Systems.
Scope: This standard documents variations of Slot, Backplane, and Modules Profiles. This document is primarily tables which are referenced by VITA 78.0.

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: October 3, 2021

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

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

Addenda

BSR/ASHRAE Addendum a to Standard 41.11-202x, Standard Methods for Power Measurement (addenda to ANSI/ASHRAE Standard 41.11-2020)
This addendum adds a new definition to Section 3; adds a new Section 5.4, revises Section 5.5, then renumbers remaining sections; and revises Sections 9.1.4, 9.2.2, and 9.3.3.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i119r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic). Substances may be soluble or particulate in nature. It is recognized that a system may be effective in controlling one or more of these substances but is not required to control all. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements in that Standard. Filter systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: October 3, 2021

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i136r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)
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 Leslie; mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 55-202x (i59r1)), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-202x (i59r1)))
The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water-treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. 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 48105-9723 | rbrooker@nsf.org, www.nsf.org

Revision

BSR/NSF 455-2-202x (i29r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

Comment Deadline: October 3, 2021

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i175r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)
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

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i179r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)
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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 13-202x, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2020)
TOPIC 1 – Sunlight Resistance - Deletion of Carbon-Arc Exposure;
TOPIC 2 – Adding laser marking to surface marking.
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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 174-202x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2021)
The following topic is being recirculated: (1) Addition of requirements for integral mixing valves.
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: October 3, 2021

UL (Underwriters Laboratories)

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

Revision

BSR/UL 844-202X, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations (revision of ANSI/UL 844-2020)
This proposal for UL 844 provides: Revisions to clause 26.18 and table 28.1 to correct errors in -60°C Explosion Test wording.
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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1682-202x, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type (revision of ANSI/UL 1682-2017)
This proposal for UL 1682 covers: Alternative terminal identifier for the connection of the grounded conductor.
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: October 18, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 160-202x, Best Practice Recommendation for Initial Response at Scenes by Law Enforcement Officers (new standard)
This best practice recommendation provides guidance for the initial response by law enforcement officers (LEOs) to scenes. The guidance includes: arrival procedure, safety considerations, medical intervention, assessing the scene, preventing scene contamination, scene containment and control, evidence identification and preservation, turning the scene over to investigators, and documenting actions and observations. It does not include guidance for a complete scene investigation.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: October 18, 2021

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

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

Revision

BSR/ASHRAE Standard 118.1-202x, Method of Testing for Rating Commercial Gas, Electric, and Oil Service Water-Heating Equipment (revision of ANSI/ASHRAE Standard 118.1-2012)
This revision of Standard 118.1-2012 updates the scope to be consistent with the Department of Energy's July 15, 2015, final rule that establishes new definitions for "commercial" and "residential duty commercial" water heaters and revises the definitions of heat-pump water heaters. Test methods and calculations are revised for all heat-pump water heaters. The revision also updates Setting Outlet Water Temperature for Heating capacity for Type 1, Type II, Type III, Type IV, and Type V heaters, adds new Standby Loss test method and calculations for Type II and Type III Instantaneous Waters, and updates references.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK75231-202x, Assessment of Fourier Transform Infrared (FTIR) Spectroscopy Data during the Qualitative Analysis of Seized Drugs (new standard)
This standard describes an approach to evaluate standalone benchtop Fourier Transform Infrared (FTIR) spectroscopy data generated during the qualitative analysis of seized drugs. This standard also includes a framework for differentiating between the technique's presumptive and identification capabilities. The identification of seized drugs using FTIR spectroscopy shall occur within the context of an appropriate analytical scheme using validated methods.
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: Laura Klineburger; 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 D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2021A)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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Revision

BSR/ASTM D2624-202x, Test Methods for Electrical Conductivity of Aviation and Distillate Fuels (revision of ANSI/ASTM D2624-2015)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM D3244-202x, Practice for Utilization of Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM D3244-2021)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM D4054-202x, Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives (revision of ANSI/ASTM D4054-2021)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM D6300-202x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2021)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM E8-202x, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8/E8M-2021)
https://www.astm.org/ANSI_SA
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM E18-202x, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18 -2020)
https://www.astm.org/ANSI_SA
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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/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM E1590-202x, Test Method for Fire Testing of Mattresses (revision of ANSI/ASTM E1590-2017)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM E1776-202x, Guide for Development of Fire-Risk-Assessment Standards (revision of ANSI/ASTM E1776 -2016)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM E1822-202x, Test Method for Fire Testing of Stacked Chairs (revision of ANSI/ASTM E1822-2017)
https://www.astm.org/ANSI_SA
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2231-202x, Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2231-2019)
https://www.astm.org/ANSI_SA
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2280-202x, Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture within Patient Rooms of Health Care Facilities (revision of ANSI/ASTM E2280-2017)
https://www.astm.org/ANSI_SA
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2653-202x, Practice for Conducting an Interlaboratory Study to Determine Precision Estimates for a Fire Test Method with Fewer than Six Participating Laboratories (revision of ANSI/ASTM E2653-2015)
https://www.astm.org/ANSI_SA
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2750-202x, Guide for Extension of Data from Penetration Firestop System Tests Conducted in Accordance with ASTM (revision of ANSI/ASTM E2750-2017)
https://www.astm.org/ANSI_SA
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM E3020-202x, Practice for Ignition Sources (revision of ANSI/ASTM E3020-2016A)
https://www.astm.org/ANSI_SA
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1521-202x, Test Methods for Performance of Range Tops (revision of ANSI/ASTM F1521-2012 (R2018))
https://www.astm.org/ANSI_SA
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Comment Deadline: October 18, 2021

CSA (CSA America Standards Inc.)

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

Revision

BSR Z21.15-202x, Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves (same as CSA 9.1) (revision of ANSI Z21.15-2009 (R2019))
This standard applies to manually operated gas valves (see Part IV, Definitions), referred to in this standard as valves, not exceeding 4 in (102 mm) pipe size, and pilot shut-off devices (see Part IV, Definitions), referred to in this standard as devices. Except for hose end valves not intended for permanent connection to a hose, and appliance connector valves, these valves and devices are intended to be used as part of a gas-fired appliance.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR ES1.5-202x, Event Safety - Medical (new standard)
The goal of BSR ES1.5 is to help identify and describe the steps necessary to create a reasonable level of protection from medical hazards that can be caused, exacerbated by, or effective treatment delayed, as a result of the unique challenges and circumstances presented by the special event environment. It includes the identification and assessment of specific medical hazards, and also addresses the potential ramifications and potential impact on local medical services provided for the local population, caused by the presence of the Event.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: Richard Nix; standards@esta.org
Send comments (copy psa@ansi.org) to: Same

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR ES1.6-202x, Event Safety - Communications (new standard)
This document addresses the special considerations, key elements, and requirements for communications systems and methods used for special events. It establishes guidelines and good practices for effective communication within the production and operation of a live event. It describes communication messaging and technology for internal operations, and for external groups such as the audience or general public, with guidelines for assessment with all involved entities. The goal is to determine logistics of and provide channels for general, operational, management, security, health and safety information to the affected parties in a timely manner.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: Richard Nix; standards@esta.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 18, 2021

HI (Hydraulic Institute)

300 Interpace Parkway, Bldg. A 3rd Floor, Parsippany, NJ 07054 | jlynott@pumps.org, www.pumps.org

Revision

BSR/HI 3.6-202x, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)
ANSI/HI 3.6 provides detailed procedures on what is required in a hydrostatic test as well as four types of performance tests that can be conducted on rotary pumps including: Internal quality assurance test, RPM pressure power, RPM pressure rate of flow, and RPM pressure rate of flow power.
Single copy price: Free
Obtain an electronic copy from: jlynott@pumps.org
Send comments (copy psa@ansi.org) to: jlynott@pumps.org

HI (Hydraulic Institute)

300 Interpace Parkway, Bldg. A 3rd Floor, Parsippany, NJ 07054 | jlynott@pumps.org, www.pumps.org

Revision

BSR/HI 12.1-12.6-202x, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016)
This standard covers rotodynamic slurry pumps used for pumping and/or transporting mixtures of solids and liquids or so-called “slurries.” Slurries are often abrasive and, if not considered, may cause high wear and shortened life of pumps. Unlike clear water, slurries alter the performance of the pumps and cause wear to the wet-end parts. Below a certain velocity, some slurries also settle out in the piping, causing blockages.
Single copy price: Free
Obtain an electronic copy from: jlynott@pumps.org
Send comments (copy psa@ansi.org) to: jlynott@pumps.org

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR N42.45-202x, Standard for Evaluating the Image Quality of X-ray Computed Tomography (CT) Security-Screening Systems (new standard)
This standard provides test methods for the evaluation of image quality of computed tomography (CT) security-screening systems. The quality of data for automated analysis is the primary concern. This standard does not address the system's ability to use this image data to automatically detect explosives or other threat materials, which is typically verified by an appropriate regulatory body.
Single copy price: $94.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: j.santuli@ieee.org

Comment Deadline: October 18, 2021

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

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

Revision

BSR C63.27-202x, Standard for Evaluation of Wireless Coexistence (revision of ANSI C63.27-2017)
During the development of C63.27, items were deferred to future versions to focus on establishing test methods and provide some technology-specific guidance. The WG has received feedback that the standard is being implemented for use cases (e.g., in a production line) not previously considered.
Single copy price: $97.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: j.santulli@ieee.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

New Standard

BSR ICEA S-118-746-202x, Standard for Category 8, 100-Ohm, Indoor Cables for Use in LAN Communication Wiring Systems (new standard)
This standard covers mechanical, electrical, and flammability requirements for thermoplastic insulated and jacketed, copper conductor for use as horizontal cables or patch cordage. Depending upon the application and system requirements, this standard provides choices for materials and flammability ratings.
Single copy price: $120.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri; Khaled.Masri@nema.org
Send comments (copy psa@ansi.org) to: Same

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA.002.2-202x, NENA Standard for Engaging with Mental Health Professionals (new standard)
Since NENA published their first Stress Standard in 2013, advances have occurred in research on the psychological and physical impacts of 9-1-1 work on emergency telecommunicators. This research and additional information points to critical health challenges with which this population is known, or suspected to struggle with, that were not addressed in the original standard. These include: obesity, chronic problems with sleep, alcohol and substance abuse, and workplace conditions including potential impacts of 9-1-1 personnel's exposure to Incident-Related Imagery anticipated with the adoption of NG9-1-1 and FirstNet technologies. In addition, the revised NENA standard will be updated as an American National Standard and include appendices providing much-needed resource documents equipping PSAP personnel with concrete guidance in how to implement comprehensive wellness and resilience plans addressing these health challenges.
Single copy price: Free
Obtain an electronic copy from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=23746&wg_id=52e4f44d-4c6e-45ec-ab1e-586a5556f3fa or contact darnold@nena.org.
Order from: darnold@nena.org
Send comments (copy psa@ansi.org) to: Submit comments electronically at https://dev.nena.org/higherlogic/ws/public/document?document_id=23746&wg_id=52e4f44d-4c6e-45ec-ab1e-586a5556f3fa and select "Add A Comment."

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION
The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the ERRS Group 2 Revision Cycle.
The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the ERRS Group 2 Revision Cycle must be submitted by November 12, 2021. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab.
For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (http://www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

New Standard

BSR/NFPA 440-202x, Guide for Aircraft Rescue and Firefighting Operations and Airport/Community Emergency Planning (new standard)
This guide provides information relative to aircraft rescue and firefighting operations and procedures for airport and structural fire departments and describes the elements of an airport/community emergency plan that require consideration before, during, and after an emergency has occurred. Throughout this document, the airport/community emergency plan will be referred to as the "AEP."
Obtain an electronic copy from: www.nfpa.org/440Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 460-202x, Standard for Aircraft Rescue and Firefighting Services at Airports, Recurring Proficiency of Airport Fire Fighters, and Evaluating Aircraft Rescue and Firefighting Foam Equipment (new standard)
This standard contains the minimum requirements for aircraft rescue and firefighting (ARFF) services at airports, the required performance criteria by which an authority having jurisdiction over aircraft rescue and firefighting (ARFF) maintains proficiency and effective ARFF at airports, and establishes test procedures for evaluating the foam firefighting equipment installed on aircraft rescue and firefighting vehicles designed in accordance with NFPA 414.
Obtain an electronic copy from: www.nfpa.org/460Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1030-202x, Standard for Professional Qualifications for Fire Prevention Program Positions (new standard)
This standard provides minimum requirements for professional qualifications for fire-prevention program positions.
Obtain an electronic copy from: www.nfpa.org/1030Next
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 18, 2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1660-202x, Standard on Community Risk Assessment, Pre-Incident Planning, Mass Evacuation, Sheltering, and Re-entry Programs (new standard)
This standard shall establish a common set of criteria for all-hazards disaster/crisis/disaster/emergency management and business continuity/continuity of operations programs (referred to in this standard as "program"); for developing pre-incident plans for use by personnel responding to emergencies; and for the process of organizing, planning, implementing, and evaluating a program for mass evacuation, sheltering, and re-entry.
Obtain an electronic copy from: www.nfpa.org/1660Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1900-202x, Standard for Aircraft Rescue and Firefighting Vehicles, Automotive Fire Apparatus, Wildland Fire Apparatus, and Automotive Ambulances (new standard)
This standard defines the minimum requirements for the design, performance, acceptance criteria, and testing of new automotive fire apparatus and trailers, wildland apparatus, aircraft rescue and firefighting apparatus, and automotive and remounted ambulances.
Obtain an electronic copy from: www.nfpa.org/1900Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1910-202x, Standard for Marine Firefighting Vessels and the Inspection, Maintenance, Testing, Refurbishing, and Retirement of In-Service Emergency Vehicles (new standard)
This standard defines the minimum requirements for establishing an inspection, maintenance, refurbishment, retirement, and testing program for in-service emergency vehicles and marine firefighting vessels.
Obtain an electronic copy from: www.nfpa.org/1910Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 610-202x, Guide for Emergency and Safety Operations at Motorsports Venues (revision of ANSI/NFPA 610-2018)
This guide addresses planning, training, personnel, equipment, and facilities as they relate to emergency and safety operations at motorsports venues.
Obtain an electronic copy from: www.nfpa.org/610Next
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 18, 2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 1026-202x, Standard for Incident Management Personnel - Professional Qualifications (revision of ANSI/NFPA 1026-2018)
This standard identifies the minimum job performance requirements (JPRs) for personnel performing roles within an all-hazard incident management system.
Obtain an electronic copy from: www.nfpa.org/1026Next
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 1091-202x, Standard for Traffic Incident Management Personnel - Professional Qualifications (revision of ANSI/NFPA 1091-2019)
This standard identifies the minimum job performance requirements (JPRs) for Traffic Control Incident Management Personnel.
Obtain an electronic copy from: www.nfpa.org/1091Next
Send comments (copy psa@ansi.org) to: Same

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i132r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)
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.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/60335/53i132r1%20-%20POE%20Scale%20Up%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: Monica Leslie; mleslie@nsf.org

Comment Deadline: October 18, 2021

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 41-2016 (R202x), POD Copy Protection System (reaffirmation of ANSI/SCTE 41-2016)
In digital Cable systems, high-value movies and video programs ("content") are protected by a conditional access scrambling system. A properly authorized CableCARD™ Point of Deployment (POD) security module removes the scrambling and, based on the Content Control Information from the Headend, may rescramble the content before delivering it to consumer receivers and set-top terminals ("Host devices") across the POD-Host interface defined in ANSI/SCTE 28-2007.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 43-2015 (R202x), Digital Video Systems Characteristics Standard for Cable Television (reaffirmation of ANSI/SCTE 43-2015)
This standard contains the constraints and extensions for the use of MPEG-2 video coding in cable television systems.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 57-2016 (R202x), System Information for Satellite Distribution of Digital Television for Cable and MMDS (reaffirmation of ANSI/SCTE 57-2016)
This document defines a Standard for System Information (SI) compatible with MPEG-2 compliant digital multiplex bitstreams constructed in accordance with ISO/IEC 13818-1 (MPEG-2) and transmitted over satellite for distribution on cable and MMDS. The document defines the standard protocol that carries relevant System Information (SI) tables contained within packets carried in the transport multiplex. The term "SI" will be used to refer to system-wide information in the Network Packet Identifier (PID).
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: October 18, 2021

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 60079-13-202x, Standard for Safety for Explosive Atmospheres - Part 13: Equipment Protection by Pressurized Room "p" and Artificially Ventilated Room "v" (national adoption of IEC 60079-13 with modifications and revision of ANSI/UL 60079-13-2020)
This proposal for UL 60079-13 covers the following changes in requirements: (1) Mechanical ventilation versus artificial ventilation; (2) New table clarifying the required minimum types of protection to permit the use of unprotected equipment; (3) Clarifying the requirements for Type of Protection "v" with the text of the Scope permissions; (4) Markings for ventilated rooms in unclassified areas; (5) Clarifying the permitted source for clean air; (6) Clarification that area classification occurs prior to any application of ventilation; (7) Clarifying the rules of dilution regarding minimum flow rate; and (8) Markings for ventilated rooms in unclassified areas.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 1077-2016 (R202x), Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (reaffirmation of ANSI/UL 1077-2016)
Reaffirm the current edition of the standard.
Single copy price: Contact comm2000 for pricing and delivery options
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 1517-2012 (R202x), Standard for Hybrid Personal Flotation Devices (September 3, 2021) (reaffirmation of ANSI/UL 1517-2012 (R2017))
This proposal covers: (1) Reaffirmation and continuance of the third edition of the Standard for Hybrid Personal Flotation Devices, UL 1517, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: October 18, 2021

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1699-202X, Standard for Safety for Arc-Fault Circuit-Interrupters (revision of ANSI/UL 1699-2020)
Addition of Supplement SC for remote update of safety software.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: November 2, 2021

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME A112.18.6/CSA B125.6-2017 (R202x), Flexible Water Connectors (reaffirmation of ANSI/ASME A112.18.6/CSA B125.6-2017)
This Standard covers flexible water connectors for use in water supply systems under (a) continuous pressure in accessible locations and (b) intermittent pressure in recreational vehicles only.
Single copy price: $100.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Angel Guzman; guzman@asme.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/API 579-1/ASME FFS-1-202x, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2016)
Fitness-For-Service (FFS) assessments are quantitative engineering evaluations that are performed to demonstrate the structural integrity of an in-service component that may contain a flaw or damage, or that may be operating under a specific condition that might cause a failure. This Standard provides guidance for conducting FFS assessments using methodologies specifically prepared for pressurized equipment. The guidelines provided in this Standard can be used to make run-repair-replace decisions to help determine if components in pressurized equipment containing flaws that have been identified by inspection can continue to operate safely for some period of time. These FFS assessments are currently recognized and referenced by the API Codes and Standards (510, 570, & 653), and by NB-23 as suitable means for evaluating the structural integrity of pressure vessels, piping systems, and storage tanks where inspection has revealed degradation and flaws in the equipment.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Umberto D'Urso; dursou@asme.org

Comment Deadline: November 2, 2021

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME RT-2-202x, Safety Standard for Structural Requirements for Heavy Rail Transit Vehicles (revision of ANSI/ASME RT-2-2014)
This Standard applies to carbodies of newly constructed heavy rail transit vehicles for transit passenger service. It defines requirements for the incorporation of passive safety design concepts related to the performance of the carbody of heavy rail transit vehicles in conditions such as collisions, so as to enhance passenger safety, and to limit and control damage.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Riad Mohamed; MohamedR@asme.org

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 12402-9-202x, Standard for Personal Flotation Devices - Part 9: Test Methods (September 3, 2021) (national adoption of ISO 12402-9 with modifications and revision of ANSI/UL 12402-9-202x)
This proposal covers: (1) Self-righting test requirement revisions.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1088-202X, Standard for Safety for Temporary Lighting Strings (revision of ANSI/UL 1088-2019)
Addition of cord tags evaluated to CAN/UL 969A and clarification of permanence of cord tag test conditioning.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

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:

UL (Underwriters Laboratories)

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

BSR/UL 498M-202x, Standard for Safety for Marine Shore Power Inlets (revision of ANSI/UL 498M-2020)
Inquiries may be directed to Megan Monsen; megan.monsen@ul.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.

AAFS (American Academy of Forensic Sciences)

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

New Standard
ANSI/ASB BPR 008-2021, Mass Fatality Scene Processing: Best Practice Recommendations for the Medicolegal Authority (new standard) Final Action Date: 8/27/2021

ASA (ASC S12) (Acoustical Society of America)

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

National Adoption
ANSI/ASA S12.55-2021/Amd.1-2021/ISO 3745-2021/Amd 1-2021, Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms - Amendment 1 (identical national adoption of ISO 3745:2012/Amd 1:2017) Final Action Date: 8/30/2021

National Adoption
ANSI/ASA S12.79-2021/ISO 26101-2021, Acoustics - Test methods for the qualification of free-field environments (identical national adoption of ISO 26101:2017) Final Action Date: 8/30/2021

ASME (American Society of Mechanical Engineers)

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

Reaffirmation
ANSI/ASME B30.19-2016 (R2021), Cableways (reaffirmation of ANSI/ASME B30.19-2016) Final Action Date: 8/30/2021

Reaffirmation
ANSI/ASME MFC-9M-1998 (R2021), Measurement of Liquid Flow in Closed Conduits by Weighing Method (reaffirmation of ANSI/ASME MFC-9M-1998 (R2011)) Final Action Date: 8/30/2021

Reaffirmation
ANSI/ASME MFC-10M-2000 (R2021), Method for Establishing Installation Effects on Flow Meters (reaffirmation of ANSI/ASME MFC-10M-2000 (R2011)) Final Action Date: 8/30/2021

Revision
ANSI/ASME B30.18-2021, Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist) (revision of ANSI/ASME B30.18-2016) Final Action Date: 8/30/2021

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Grand Rapids, MI 49504 | dpanning@bifma.org, www.bifma.org

Reaffirmation
ANSI/BIFMA X5.6-2016 (R2021), Panel Systems (reaffirmation of ANSI/BIFMA X5.6-2016) Final Action Date: 8/27/2021

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | esuarez@pumps.org, www.pumps.org

Reaffirmation
ANSI/HI 9.6.8-2014 (R2021), Rotodynamic Pumps - Guideline for Dynamics of Pumping Machinery (reaffirmation of ANSI/HI 9.6.8-2014) Final Action Date: 8/30/2021

HI (Hydraulic Institute)

6 Campus Drive, 1st Floor North, Parsippany, NJ 07054 | pgaydon@pumps.org, www.pumps.org

Revision
ANSI/HI 3.1-3.5-2021, Rotary Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 3.1 -3.5-2015) Final Action Date: 8/30/2021

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

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

Revision
ANSI/IAPMO Z1001-2021, Prefabricated Gravity Grease Interceptors (revision of ANSI/IAPMO Z1001-2016) Final Action Date: 8/27/2021

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

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

Reaffirmation
INCITS 284-2011 [R2021], Information Technology - Identification Cards - Health Care Identification Cards (reaffirmation of INCITS 284-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 381-2009/AM 1:2011 [R2021], Information technology - Finger image based data interchange format - Amendment 1 (reaffirmation of INCITS 381-2009/AM 1:2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 409.4-2006 [R2021], Information Technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4-2006 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 409.5-2011 [R2021], Information Technology - Biometric Performance Testing and Reporting - Part 5: Framework for Testing and Evaluation of Biometric System(s) for Access Control (reaffirmation of INCITS 409.5-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 458-2011 [R2021], Information Technology - SCSI Object-Based Storage Device Commands-2 (OSD-2) (reaffirmation of INCITS 458-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 459-2011 [R2021], Information Technology - Requirements for the Implementation and Interoperability of Role-Based Access Control (reaffirmation of INCITS 459-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 467-2011 [R2021], Information technology - SCSI Stream Commands - 3 (SSC-3) (reaffirmation of INCITS 467 -2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 472-2011 [R2021], Information Technology - Automation/Drive Interface - Transport Protocol - 2 (ADT-2) (reaffirmation of INCITS 472-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 473-2011 [R2021], Information Technology - Conformance Testing Methodology Standard for Patron Formats Conforming to INCITS 398-2008, Information Technology - Common Biometric Exchange Formats Framework (CBEFF) (reaffirmation of INCITS 473-2011 [R2016]) Final Action Date: 8/27/2021

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

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

Reaffirmation
INCITS 474-2011 [R2021], Information Technology - Biometric Application Programming Interface - Java (BioAPI Java) (reaffirmation of INCITS 474-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 478-2011 [R2021], Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) (reaffirmation of INCITS 478 -2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 479-2011/AM 1-2016 [R2021], Information Technology - Fibre Channel - Physical Interface - 5/Amendment 1 (FC-PI-5/AM1) (reaffirmation of INCITS 479-2011/AM 1-2016) Final Action Date: 8/30/2021

Reaffirmation
INCITS 481-2011 [R2021], Information Technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (reaffirmation of INCITS 481-2011 [R2016]) Final Action Date: 8/27/2021

Reaffirmation
INCITS 488-2016 [R2021], Information Technology - Fibre Channel - Framing and Signaling - 4 (FC-FS-4) (reaffirmation of INCITS 488-2016) Final Action Date: 8/30/2021

Reaffirmation
INCITS 501-2016 [R2021], Information Technology - Security Features for SCSI Commands (SFSC) (reaffirmation of INCITS 501-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 504-3-2016 [R2021], Information Technology - Generic Identity Command Set Part 3: GICS Platform Testing Requirements (reaffirmation of INCITS 504-3-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 504-1-2013/AM1-2016 [R2021], Information Technology - Generic Identity Command Set Part 1: Card Application Command Set - Amendment 1 (reaffirmation of INCITS 504-1-2013/AM1-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 504-2-2013/AM 1-2016 [R2021], Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set - Amendment 1 (reaffirmation of INCITS 504-2-2013/AM 1-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 507-2016 [R2021], Information technology - PCIe® architecture Queuing Interface - 2(PQI-2) (reaffirmation of INCITS 507-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 511-2016 [R2021], Information Technology - Fibre Channel - Switch Fabric - 6 (FC-SW-6) (reaffirmation of INCITS 511-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 515-2016 [R2021], Information Technology - SCSI Architecture Model - 5 (SAM-5) (reaffirmation of INCITS 515 -2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 533-2016 [R2021], Information Technology - Fibre Channel - Physical Interface - 6P (FC-PI-6P) (reaffirmation of INCITS 533-2016) Final Action Date: 8/30/2021

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

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

Reaffirmation
INCITS 536-2016 [R2021], Information technology - Zoned Block Commands (ZBC) (reaffirmation of INCITS 536-2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS 539-2016 [R2021], Information Technology - Management of Security Credentials (reaffirmation of INCITS 539 -2016) Final Action Date: 8/27/2021

Reaffirmation
INCITS/ISO 19123:2005 [R2021], Geographic Information - Schema for Coverage Geometry and Functions (reaffirm a national adoption INCITS/ISO 19123:2005 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO 19133:2005 [R2021], Geographic Information - Location-Based Services - Tracking and Navigation (reaffirm a national adoption INCITS/ISO 19133:2005 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO 19142:2010 [R2021], Geographic Information - Web Feature Service (reaffirm a national adoption INCITS/ISO 19142:2010 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO 19143:2010 [R2021], Geographic Information - Filter Encoding (reaffirm a national adoption INCITS/ISO 19143:2010 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO 9542:1988/AM 1:1999 [R2021], Information processing systems - Telecommunications and information exchange between systems - End system to intermediate system routeing exchange protocol for use in conjunction with the protocol for providing the connectionless-mode network service - Amendment 1: Addition of group composition information (reaffirm a national adoption INCITS/ISO 9542:1988/AM 1:1999 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 7811-8:2014 [R2021], Identification cards - Recording technique - Part 8: Magnetic stripe - Coercivity of 51,7 kA/m (650 Oe) (reaffirm a national adoption INCITS/ISO/IEC 7811-8:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 7811-9:2015 [R2021], Identification cards - Recording technique - Part 9: Tactile identifier mark (reaffirm a national adoption INCITS/ISO/IEC 7811-9:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 10118-2:2010 [R2021], Information technology - Security techniques - Hash-functions - Part 2: Hash-functions using an n-bit block cipher (reaffirm a national adoption INCITS/ISO/IEC 10118-2:2010 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 10373-2:2015 [R2021], Identification cards - Test methods - Part 2: Cards with magnetic stripes (reaffirm a national adoption INCITS/ISO/IEC 10373-2:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11179-5:2015 [R2021], Information technology - Metadata registries (MDR) - Part 5: Naming principles (reaffirm a national adoption INCITS/ISO/IEC 11179-5:2015 [2016]) Final Action Date: 8/30/2021

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

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

Reaffirmation
INCITS/ISO/IEC 11694-3:2015 [R2021], Identification cards - Optical memory cards - Linear recording method - Part 3: Optical properties and characteristics (reaffirm a national adoption INCITS/ISO/IEC 11694-3:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11694-4:2008 [R2021], Identification cards - Optical memory cards - Linear recording method - Part 4: Logical data structures (reaffirm a national adoption INCITS/ISO/IEC 11694-4:2008 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11694-5:2014 [R2021], Identification cards - Optical memory cards - Linear recording method - Part 5: Data format for information interchange for applications using ISO/IEC 11694-4 (reaffirm a national adoption INCITS/ISO/IEC 11694-5:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11694-6:2014 [R2021], Identification cards - Optical memory cards - Linear recording method - Part 6: Use of biometrics on an optical memory card (reaffirm a national adoption INCITS/ISO/IEC 11694-6:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11695-1:2015 [R2021], Identification cards - Optical memory cards - Holographic recording method - Part 1: Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 11695-1:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 11695-2:2015 [R2021], Identification cards - Optical memory cards - Holographic recording method - Part 2: Dimensions and location of accessible optical area (reaffirm a national adoption INCITS/ISO/IEC 11695-2:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 13818-4:2004/AM 3:2009 [R2021], Information technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing - Amendment 3: Level for 108050p/60p conformance testing (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004/AM3:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 13818-6:1998/AM 1:2000 [R2021], Information technology - Generic coding of moving pictures & associated audio info - Part 6: Extensions for DSM-CC - Amendment 1: Additions to support data broadcasting (reaffirm a national adoption INCITS/ISO/IEC 13818-6:1998/AM 1:2000 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14495-1:1999 [R2021], Information technology - Lossless and near-lossless compression of continuous-tone still images: Baseline (reaffirm a national adoption INCITS/ISO/IEC 14495-1:1999 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-4:2004 [R2021], Information technology - Coding of audio-visual objects - Part 4: Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004 [R2016]) Final Action Date: 8/30/2021

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

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Reaffirmation
INCITS/ISO/IEC 14496-6:2000 [R2021], Information technology - Coding of audio-visual objects - Part 6: Delivery Multimedia Integration Framework (DMIF) (reaffirm a national adoption INCITS/ISO/IEC 14496-6:2000 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-20:2008/AM 1:2009 [R2021], Information technology - Coding of audio-visual objects - Part 20: Lightweight Application Scene Representation (LASeR) and Simple Aggregation Format (SAF) - Amendment 1: Extensions to support SVGT1.2 (reaffirm a national adoption INCITS/ISO/IEC 14496-20:2008AM1:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-4:2004/AM 30:2009 [R2021], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 30: Conformance testing for new profiles for professional applications (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM 30:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-4:2004/AM 31:2009 [R2021], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 31: Conformance testing for SVC profiles (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM 31:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-4:2004/AM 35:2009 [R2021], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 35: Simple studio profile levels 5 and 6 conformance testing (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM 35:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-5:2001/AM 14:2009 [R2021], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 14: Open Font Format reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM 14:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-5:2001/AM 19:2009 [R2021], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 19: Reference software for Scalable Video Coding (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM 19:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-5:2001/AM 20:2009 [R2021], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 20: MPEG-1 and -2 on MPEG-4 reference software and BSAC Extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM 20:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14496-5:2001/AM 21:2009 [R2021], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 21: Frame-based Animated Mesh Compression reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM 21:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 15444-8:2007/AM 1:2008 [R2021], Information technology - JPEG 2000 image coding system: Secure JPEG 2000 - Amendment 1: File format security (reaffirm a national adoption INCITS/ISO/IEC 15444-8:2007/AM 1:2008 [R2016]) Final Action Date: 8/30/2021

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Reaffirmation
INCITS/ISO/IEC 15457-1:2008 [R2021], Identification cards - Thin flexible cards - Part 1: Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 15457-1:2008 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 15457-3:2008 [R2021], Identification cards - Thin flexible cards - Part 3: Test methods (reaffirm a national adoption INCITS/ISO/IEC 15457-3:2008 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 15938-3:2002/AM 3:2009 [R2021], Information technology - Multimedia content description interface - Part 3: Visual - Amendment 3: Image Signature Tools (reaffirm a national adoption INCITS/ISO/IEC 15938-3:2002/AM 3:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 19775-2:2015 [R2021], Information Technology - Computer Graphics, Image Processing and Environmental Data Representation - Extensible 3D (X3D) - Part 2: Scene Access Interface (SAI) (reaffirm a national adoption INCITS/ISO/IEC 19775-2:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 19784-4:2011 [R2021], Information technology - Biometric application programming interface - Part 4: Biometric sensor function provider interface (reaffirm a national adoption INCITS/ISO/IEC 19784-4:2011 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 19795-5:2011 [R2021], Information technology - Biometric performance testing and reporting - Part 5: Access control scenario and grading scheme (reaffirm a national adoption INCITS/ISO/IEC 19795-5:2011 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 19795-7:2011 [R2021], Information technology - Biometric performance testing and reporting - Part 7: Testing of on-card biometric comparison algorithms (reaffirm a national adoption INCITS/ISO/IEC 19795-7:2011 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 21000-8:2008/AM 1:2009 [R2021], Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software - Amendment 1: Extract reference software (reaffirm a national adoption INCITS/ISO/IEC 21000 -8:2008/AM 1:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 23000-4:2009 [R2021], Information technology - Multimedia application format (MPEG-A) - Part 4: Musical slide show application format (reaffirm a national adoption INCITS/ISO/IEC 23000-4:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 23000-3:2007/AM 1:2009 [R2021], Information technology - Multimedia application format (MPEG-A) - Part 3: MPEG photo player application format - Amendment 1: Reference software for photo player MAF (reaffirm a national adoption INCITS/ISO/IEC 23000-3:2007/AM1:2009 [R2016]) Final Action Date: 8/30/2021

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Reaffirmation
INCITS/ISO/IEC 23000-4:2009/AM 1:2009 [R2021], Information technology - Multimedia application format (MPEG-A) - Part 4: Musical slide show application format - Amendment 1: Conformance and reference software for musical slide show application format (reaffirm a national adoption INCITS/ISO/IEC 23000-4:2009/AM 1:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 23000-7:2008/AM 1:2009 [R2021], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format - Amendment 1: Conformance and reference software for open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008/AM 1:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 23004-8:2009 [R2021], Information technology - Multimedia middleware - Part 8: Reference software (reaffirm a national adoption INCITS/ISO/IEC 23004-8:2009 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24709-3:2011 [R2021], Information technology - Conformance testing for the biometric application programming interface (BioAPI) - Part 3: Test assertions for BioAPI frameworks (reaffirm a national adoption INCITS/ISO/IEC 24709-3:2011 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-1:2014 [R2021], Information technology - Storage management - Part 1: Overview (reaffirm a national adoption INCITS/ISO/IEC 24775-1:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-2:2014 [R2021], Information technology - Storage management - Part 2: Common Architecture (reaffirm a national adoption INCITS/ISO/IEC 24775-2:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-3:2014 [R2021], Information technology - Storage management - Part 3: Common Profiles (reaffirm a national adoption INCITS/ISO/IEC 24775-3:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-4:2014 [R2021], Information technology - Storage management - Part 4: Block Devices (reaffirm a national adoption INCITS/ISO/IEC 24775-4:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-5:2014 [R2021], Information technology - Storage management - Part 5: File systems (reaffirm a national adoption INCITS/ISO/IEC 24775-5:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-6:2014 [R2021], Information technology - Storage management - Part 6: Fabric (reaffirm a national adoption INCITS/ISO/IEC 24775-6:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-7:2014 [R2021], Information technology - Storage management - Part 7: Host elements (reaffirm a national adoption INCITS/ISO/IEC 24775-7:2014 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 24775-8:2014 [R2021], Information technology -- Storage management -- Part 8: Media libraries (reaffirm a national adoption INCITS/ISO/IEC 24775-8:2014 [2016]) Final Action Date: 8/30/2021

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Reaffirmation
INCITS/ISO/IEC 29109-10:2010 [R2021], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 10: Hand geometry silhouette data (reaffirm a national adoption INCITS/ISO/IEC 29109-10:2010 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 29120-1:2015 [R2021], Information technology - Machine readable test data for biometric testing and reporting - Part 1: Test reports (reaffirm a national adoption INCITS/ISO/IEC 29120-1:2015 [2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 29159-1:2010 [R2021], Information technology - Biometric calibration, augmentation, and fusion data - Part 1: Fusion information format (reaffirm a national adoption INCITS/ISO/IEC 29159-1:2010 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 4909:2006 [R2021], Identification cards - Financial transaction cards - Magnetic stripe data content for track 3 (reaffirm a national adoption INCITS/ISO/IEC 4909:2006 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14750:1999 [R2021], Information Technology - Open Distributed Processing - Interface Definition Language (reaffirm a national adoption INCITS/ISO/IEC 14750:1999 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14752:2000 [R2021], Information Technology - Open Distributed Processing - Protocol Support for Computational Interactions (reaffirm a national adoption INCITS/ISO/IEC 14752:2000 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14753:1999 [R2021], Information Technology - Open Distributed Processing - Interface References and Binding (reaffirm a national adoption INCITS/ISO/IEC 14753:1999 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14769:2001 [R2021], Information Technology - Open Distributed Processing - Type Repository Function (reaffirm a national adoption INCITS/ISO/IEC 14769:2001 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 14771:1999 [R2021], Information Technology - Open Distributed Processing - Naming Framework (reaffirm a national adoption INCITS/ISO/IEC 14771:1999 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 16485:2000 [R2021], Information technology - Mixed Raster Content (MRC) (reaffirm a national adoption INCITS/ISO/IEC 16485:2000 [R2016]) Final Action Date: 8/30/2021

Reaffirmation
INCITS/ISO/IEC 29197:2015 [R2021], Information technology - Evaluation methodology for environmental influence in biometric system performance (reaffirm a national adoption INCITS/ISO/IEC 29197:2015 [2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 418-2006 [S2021], Information Technology - Switch Fabric - Generation 4 (FC-SW-4) (stabilized maintenance of INCITS 418-2006 [R2016]) Final Action Date: 8/30/2021

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Stabilized Maintenance
INCITS 460-2011 [S2021], Information Technology - Fibre Channel - Physical Interface - 3 (FC-PI-3) (stabilized maintenance of INCITS 460-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 466-2011 [S2021], Information Technology - Fibre Channel - Single Byte Command Code Sets - Mapping Protocol - 4 (FC-SB-4) (stabilized maintenance of INCITS 466-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 470-2011 [S2021], Information Technology - Fibre Channel - Framing and Signaling - 3 (FC-FS-3) (stabilized maintenance of INCITS 470-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 475-2011 [S2021], Information Technology - Fibre Channel - Inter-Fabric Routing (FC-IFR) (stabilized maintenance of INCITS 475-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 477-2011 [S2021], Information Technology - Fibre Channel - Link Services - 2 (FC-LS-2) (stabilized maintenance of INCITS 477-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 479-2011 [S2021], Information Technology - Fibre Channel - Physical Interface-5 (FC-PI-5) (stabilized maintenance of INCITS 479-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS 480-2011 [S2021], Information Technology - BIOS Enhanced Disk Drive Services - 4 (EDD-4) (stabilized maintenance of INCITS 480-2011 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS/ISO/IEC 14165-133:2010 [S2021], Information Technology - Fibre Channel - Part 133: Switch Fabric-3 (FC-SW-3) (stabilized maintenance of INCITS/ISO/IEC 14165-133:2010 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS/ISO/IEC 14165-321:2009 [S2021], Information Technology - Fibre Channel - Part 321: Audio-Video (FC-AV) (stabilized maintenance of INCITS/ISO/IEC 14165-321:2009 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS/ISO/IEC 14165-331:2007 [S2021], Information Technology - Fibre Channel - Part 331: Virtual Interface (FC-VI) (stabilized maintenance of INCITS/ISO/IEC 14165-331:2007 [R2016]) Final Action Date: 8/30/2021

Stabilized Maintenance
INCITS/ISO/IEC 14776-453:2009 [S2021], Information Technology - Small computer system interface (SCSI) - Part 453: Primary commands-3 (SPC-3) (stabilized maintenance of INCITS/ISO/IEC 14776-453:2009 [R2016]) Final Action Date: 8/30/2021

Withdrawal
INCITS 526-2016, Information Technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS) (withdrawal of INCITS 526-2016) Final Action Date: 8/27/2021

Withdrawal
INCITS/ISO/IEC 10373-1:2006 [R2016], Cards and security devices for personal identification - Test methods - Part 1: General characteristics (withdrawal of INCITS/ISO/IEC 10373-1:2006 [R2016]) Final Action Date: 8/30/2021

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

Revision
ANSI C82.77-10-2021, Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements (revision of ANSI C82.77-10-2020) Final Action Date: 8/27/2021

Stabilized Maintenance
ANSI C82.2-2002 (S2021), Standard for Lamp Ballasts - Method of Measurement of Fluorescent Lamp Ballasts (stabilized maintenance of ANSI C82.2-2002 (R2016)) Final Action Date: 8/30/2021

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314 | standards@phta.org, www.PHTA.org

New Standard
ANSI/PHTA/ICC-10-2021, Standard for Elevated Pools, Spas, and Other Aquatic Venues Integrated into a Building or Structure (new standard) Final Action Date: 8/30/2021

TIA (Telecommunications Industry Association)

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

National Adoption
ANSI/TIA 526-28-2021, Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (identical national adoption of IEC 61280-4-5) Final Action Date: 8/30/2021

UL (Underwriters Laboratories)

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

Revision
ANSI/UL 125-2021, Standard for Safety for Flow Control Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 125-2020) Final Action Date: 8/26/2021

Revision
ANSI/UL 144-2021a, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2019) Final Action Date: 8/26/2021

Revision
ANSI/UL 180-2021, Standard for Safety for Combustible Liquid Tank Accessories (revision of ANSI/UL 180-2019) Final Action Date: 8/25/2021

Revision
ANSI/UL 705-2021, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2019) Final Action Date: 8/24/2021

Revision
ANSI/UL 1275-2021, Standard for Safety for Flammable Liquid Storage Cabinets (revision of ANSI/UL 1275-2010 (R2014)) Final Action Date: 8/26/2021

Revision
ANSI/UL 1738-2021a, Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (revision of ANSI/UL 1738-2021) Final Action Date: 8/26/2021

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.

ESTA (Entertainment Services and Technology Association)

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Richard Nix; standards@esta.org

BSR ES1.5-202x, Event Safety - Medical (new standard)

The Event Safety Working Group is seeking new consensus body members in the following interest categories: Performing artist, Insurance company, Event worker, Event producer, Equipment provider, an Dealer/rental company.

BSR ES1.6-202x, Event Safety - Communications (new standard)

The Event Safety Working Group is seeking new consensus body members in the following interest categories: Performing artist, Insurance company, Event worker, Event producer, Equipment provider, an Dealer/rental company.

HI (Hydraulic Institute)

300 Interpace Parkway, Bldg. A 3rd Floor, Parsippany, NJ 07054 | jlynott@pumps.org, www.pumps.org
Joan Lynott; jlynott@pumps.org

BSR/HI 3.6-202x, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)

BSR/HI 12.1-12.6-202x, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016)

NEMA (ASC C50) (National Electrical Manufacturers Association)

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Michael Leibowitz; mike.leibowitz@nema.org

BSR NEMA MG 1-202x, Motors and Generators (revision of ANSI NEMA MG 1-2021)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Kezhen.Shen@nema.org, www.nema.org
Kezhen Shen; Kezhen.Shen@nema.org

BSR/NEMA 250-202x, Enclosures for Electrical Equipment (1000 Volts Maximum) (revision of ANSI/NEMA 250-2020)

NSF (NSF International)

789 N. Dixboro Rd., Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org
Monica Milla; mmilla@nsf.org

BSR/NSF 42-202x (i119r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)

BSR/NSF 53-202x (i132r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)

BSR/NSF 53-202x (i136r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)

NSF (NSF International)

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

BSR/NSF 55-202x (i59r1)), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-202x (i59r1)))

BSR/NSF 455-2-202x (i29r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)

BSR/NSF/CAN 50-202x (i175r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

BSR/NSF/CAN 50-202x (i179r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

VITA (VMEbus International Trade Association (VITA))

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Jing Kwok; jing.kwok@vita.com

BSR/VITA 78.2-202x, SpaceVPX System Standard - Profile Tables (new standard)

Call for Members (ANS Consensus Bodies)

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 affected 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 categories:
• Service Providers
• Users
• Standards Development Organizations and Consortia
• Academic Institutions

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.

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.

American National Standards (ANS) Announcements

Corrections

ALI (ASC A14) - American Ladder Institute Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders

BSR A14.7-2012 (R202x) not available at this time for review and comment

BSR A14.7-2012 (R202x) was mistakenly listed for public review in the August 27, 2021 Standards Action. This proposal is currently not available for review and comment, but will be submitted in a future date. Please direct inquiries to: Pam O'Brien; info@americanladderinstitute.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ANS - American Nuclear Society

Effective August 31, 2021

ANSI's Executive Standards Council has approved reaccreditation of **ANS - American Nuclear Society**, under its recently revised operating procedures for documenting consensus on ANS-sponsored American National Standards, effective **August 31, 2021**. For additional information, please contact: Patricia Schroeder, American Nuclear Society (ANS) | 555 North Kensington Avenue, La Grange Park, IL 60526-5592 | (708) 579-8269, pschroeder@ans.org

Approval of Reaccreditation – ASD

ASCA - Accredited Snow Contractors Association

Effective August 31, 2021

The reaccreditation of **ASCA - Accredited Snow Contractors Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASCA-sponsored American National Standards, effective **August 31, 2021**. For additional information, please contact: Kevin Gilbride, Accredited Snow Contractors Association (ASCA) | 4012 Kinross Lakes Parkway, #201, Valley View, OH 44125 | (216) 393-0303, kgilbride@gie.net

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Virtual Meeting Time: October 19-21, 2021

The American Society of Safety Professionals (ASSP) is the secretariat for the ASSP Z359 Committee for Fall Arrest / Fall Protection. The next Z359 meeting will take place virtually on October 19-21, 2021. Those interested in participating can contact ASSP for additional information at LBauerschmidt@assp.org.

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: Teleconference/WebEx October 6, 2021 at 1 PM EDT

CSA Group Hydrogen Transportation Technical Committee will meet via Teleconference/WebEx on **Wednesday, October 6, 2021 at 1 PM EDT**. For those interested in participating or for additional information, contact Sara Marxen at sara.marxen@csagroup.org.

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/
- Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer, please email us at: psa@ansi.org . Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.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)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- 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)
- UL (Underwriters Laboratories)

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.

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/FDIS 6079, Instant tea in solid form - Specification - 11/13/2020, $33.00

ISO/FDIS 20836, Microbiology of the food chain - Polymerase chain reaction (PCR) for the detection of microorganisms - Thermal performance testing of thermal cyclers - 11/2/2008, $93.00

Air quality (TC 146)

ISO/DIS 23861, Workplace air - Chemical agent present as a mixture of airborne particles and vapours - Requirements for evaluation of measuring procedures using samplers - 11/10/2023, $82.00

Brand evaluation (TC 289)

ISO/FDIS 20671-1, Brand evaluation - Part 1: Principles and fundamentals -, $58.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO/DIS 16610-62, Geometrical product specifications (GPS) - Filtration - Part 62: Linear areal filters: Spline filters - 11/13/2021, $53.00

Earth-moving machinery (TC 127)

ISO/DIS 12509, Earth-moving machinery and rough-terrain trucks - Lighting, signalling and marking lights, and reflex reflector devices - 11/9/2025, $125.00

Environmental management (TC 207)

ISO/DIS 14017, Environmental management - Requirements with guidance for verification and validation of water statements - 11/9/2022, $134.00

Fertilizers and soil conditioners (TC 134)

ISO/DIS 8157, Fertilizers, soil conditioners and beneficial substances - Vocabulary - 11/9/2022, $77.00

Implants for surgery (TC 150)

ISO/DIS 12417-1, Cardiovascular implants and extracorporeal systems - Vascular device-drug combination products - Part 1: General requirements - 11/18/2021, $119.00

Industrial trucks (TC 110)

ISO/DIS 3691-2, Industrial trucks - Safety requirements and verification - Part 2: Self-propelled variable-reach trucks - 11/7/2025, $107.00

Iron ores (TC 102)

ISO/DIS 4698, Iron ore pellets for blast furnace feedstocks - Determination of the free-swelling index - 11/12/2021, $88.00

Laboratory glassware and related apparatus (TC 48)

ISO/FDIS 4787, Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use - 11/2/2021, $82.00

Mechanical vibration and shock (TC 108)

ISO/FDIS 13373-4, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 4: Diagnostic techniques for gas and steam turbines with fluid-film bearings - 11/5/2009, $82.00

ISO/DIS 14839-5, Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 5: Touch-down bearings - 11/9/2022, $112.00

Other

ISO/DIS 15701, Leather - Tests for colour fastness - Colour fastness to migration into polymeric material - 11/9/2024, $40.00

ISO/CIE DIS 11664-2.2, Colorimetry - Part 2: CIE standard illuminants - 10/18/2021, $71.00

Paper, board and pulps (TC 6)

ISO/DIS 24215, Lignins - Determination of carbohydrate composition in kraft lignin, soda lignin and hydrolysis lignin - 11/9/2022, $67.00

Petroleum products and lubricants (TC 28)

ISO/DIS 20782, Petroleum products and other liquids - Ethanol - Test method for pH determination of ethanol fuel - 11/9/2022, $33.00

Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 18314-5, Analytical colorimetry - Part 5: Procedure for colorimetric determination of colour differences of object colours according to equidistant colour spaces - 11/13/2021, $58.00

Plain bearings (TC 123)

ISO/FDIS 4382-1, Plain bearings - Copper alloys - Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings - 11/12/2018, $46.00

ISO/FDIS 4382-2, Plain bearings - Copper alloys - Part 2: Wrought copper alloys for solid plain bearings - 11/12/2018, $40.00

Railway applications (TC 269)

ISO/DIS 23019, Railway Applications - Driving simulator for drivers training - 11/9/2024, $102.00

Road vehicles (TC 22)

ISO 4091/DAmd1, Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Definitions, tests and requirements - Amendment 1 - 11/15/2021, $33.00

ISO/DIS 20653, Road vehicles - Degrees of protection (IP code) - Protection of electrical equipment against foreign objects, water and access - 11/13/2021, $88.00

ISO/DIS 22139, Heavy commercial vehicles and buses - Test method for steering effort measurement when manoeuvring at low speed or with stationary vehicle - 11/9/2022, $82.00

ISO/DIS 23365, Heavy commercial vehicles and buses - Definitions of properties for the determination of suspension kinematic and compliance characteristics - 11/10/2023, $102.00

ISO/DIS 6621-4, Internal combustion engines - Piston rings - Part 4: General specifications - 11/9/2005, $71.00

ISO/FDIS 20078-1, Road vehicles - Extended vehicle (ExVe) web services - Part 1: Content and definitions - 11/13/2014, $77.00

ISO/FDIS 20078-2, Road vehicles - Extended vehicle (ExVe) web services - Part 2: Access - 11/2/2006, $134.00

ISO/FDIS 20078-3, Road vehicles - Extended vehicle (ExVe) web services - Part 3: Security - 11/2/2006, $88.00

Rubber and rubber products (TC 45)

ISO/DIS 34-1, Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 1: Trouser, angle and crescent test pieces - 11/10/2023, $67.00

ISO/DIS 34-2, Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 2: Small (Delft) test pieces - 11/13/2021, $62.00

Security (TC 292)

ISO/DIS 22328-3, Security and resilience - Emergency management - Part 3: Guidelines for the implementation of a community-based tsunami early warning system - 11/13/2021, $62.00

Sieves, sieving and other sizing methods (TC 24)

ISO/FDIS 15901-2, Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption - Part 2: Analysis of nanopores by gas adsorption - 11/8/2015, $93.00

Small tools (TC 29)

ISO/FDIS 6344-2, Coated abrasives - Determination and designation of grain size distribution - Part 2: Macrogrit sizes P12 to P220 - 11/2/2010, $58.00

ISO/FDIS 6344-3, Coated abrasives - Determination and designation of grain size distribution - Part 3: Microgrit sizes P240 to P5000 - 11/2/2010, $88.00

Soil quality (TC 190)

ISO/DIS 21268-5, Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil-like materials - Part 5: Batch test with forced aerobic or anaerobic conditions - 11/13/2021, $82.00

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

ISO/FDIS 7176-14, Wheelchairs - Part 14: Power and control systems for electrically powered wheelchairs and scooters - Requirements and test methods - 11/4/2026, $134.00

Thermal insulation (TC 163)

ISO/DIS 24260, Thermal insulation products - Hemp fiber mat and board - Specification - 11/14/2021, $62.00

Tourism and related services (TC 228)

ISO/FDIS 21621, Tourism and related services - Traditional restaurants - Visual aspects, decoration and services - 11/10/2000, $71.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 11783-13, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 13: File server - 11/9/2022, $134.00

Welding and allied processes (TC 44)

ISO/DIS 15610, Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables - 11/9/2022, $40.00

ISO/DIS 17660, Welding - Welding of reinforcing steel - 11/9/2022, $107.00

ISO/DIS 18274, Welding consumables - Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys - Classification - 11/9/2022, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23488, Information technology - Computer graphics, image processing and environment data representation - Object/Environmental Representation for Image based Rendering in Virtual/Mixed and Augmented Reality (VR/MAR) - 11/9/2025, $67.00

ISO/IEC DIS 24039, Information Technology - Smart city digital platform reference architecture - Data and service - 11/9/2022, $77.00

ISO/IEC FDIS 27013, Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - 11/13/2020, $125.00

IEC Standards

20/1974/CD, IEC 60840/AMD1 ED5: Amendment 1 - Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements, 11/19/2021

78/1366/CD, IEC 63232-1-1 ED1: Live working - Hand protective devices against the thermal Hazards of an electric arc - Part 1-1: Test methods - Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of hand protective devices using an open arc, 11/19/2021

78/1367/CD, IEC 63232-1-2 ED1: Live working - Hand protective devices against the thermal hazards of an electric arc - Part 1-2: Test methods - Method 2: Determination of arc protection class of hand protective devices by using a constrained and directed arc (box test), 11/19/2021

78/1368/NP, PNW 78-1368 ED1: Live working - Hand protective devices against the thermal hazards of an electric arc - Part 2: Requirements, 11/19/2021

86B/4488(F)/CDV, IEC 61753-043-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 043-02: Simplex patch-cord style single-mode fibre wavelength selective devices with cylindrical ferrule connectors for category C - Controlled environment, 11/05/2021

110/1350/CD, IEC 62977-3-6 ED1: Electronic displays - Part 3-6: Evaluation of optical performances - Spatial resolution, 10/22/2021

120/242/CD, IEC 62933-4-4 ED1: Electrical energy storage (EES) systems - Part 4-4: Standard on environmental issues battery-based energy storage systems (BESS) with reused batteries - Requirements, 10/22/2021

SyCLVDC/104/CDV, IEC 63318 ED1: Electricity access requirements with SELV DC for Tier II and Tier III of ESMAP multi-tier framework for household electricity supply, 11/19/2021

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

100/3643/FDIS, IEC 62106-10 ED1: Radio Data System (RDS) - VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz - Part 10: UECP - Universal Encoder Communication Protocol (TA 1), 10/08/2021

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

46C/1198/CD, IEC TR 61156-1-3/AMD1 ED1: Amendment 1- Multicore and symmetrical pair/quad cables for digital communications - Part 1-3: Electrical transmission parameters for modelling cable assemblies using symmetrical pair/quad cables, 11/19/2021

Electric cables (TC 20)

20/1972/FDIS, IEC 60800 ED4: Heating cables with a rated voltage up to and including 300/500 V for comfort heating and prevention of ice formation, 10/08/2021

Electric road vehicles and electric industrial trucks (TC 69)

69/798/CD, IEC 62840-1 ED1: Electric vehicle battery swap system - Part 1: General and guidance, 11/19/2021

Electric traction equipment (TC 9)

9/2750/NP, PNW 9-2750 ED1: Electronic Railway Equipment - On Board Driving Data Recording System - Part 3: Audio and Video Recording, 11/19/2021

Electrical equipment in medical practice (TC 62)

62D/1880(F)/CDV, ISO 80601-2-12 ED3: Medical electrical equipment - Part 2-12: Particular requirements for the basic safety and essential performance of critical care ventilators, 10/29/2021

62D/1883/CDV, IEC 80601-2-77/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment, 11/19/2021

62D/1884/CDV, IEC 80601-2-78/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation, 11/19/2021

62D/1901/CD, IEC 60601-2-40 ED3: Medical electrical equipment - Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment, 11/19/2021

62D/1904/NP, PNW 62D-1904 ED1: Particular requirement for basic safety and essential performance of non-thermal plasma wound treatment equipment, 11/19/2021

Electromagnetic compatibility (TC 77)

77/571/CD, IEC TR 61000-5-1 ED2: Electromagnetic compatibility (EMC) - Part 5-1: Installation and mitigation guidelines - General considerations, 12/17/2021

77/574/CD, IEC TR 61000-1-1 ED2: Electromagnetic compatibility (EMC) - Part 1-1: General - Application and interpretation of fundamental definitions and terms, 12/17/2021

Fibre optics (TC 86)

86B/4489(F)/CDV, IEC 61755-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 1: Optical interfaces for dispersion unshifted fibres - General and guidance, 11/05/2021

86B/4495/CDV, IEC 61300-2-43 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-43: Tests - Screen testing of return loss of single-mode PC optical fibre connectors, 11/19/2021

86B/4496/CDV, IEC 61300-3-4 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation, 11/19/2021

Fuel Cell Technologies (TC 105)

105/864/CDV, IEC 62282-4-600 ED1: Fuel cell technologies - Part 4 -600: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Fuel cell/battery hybrid systems performance test methods for excavators, 11/19/2021

Industrial-process measurement and control (TC 65)

65C/1116/CD, IEC/IEEE 60802 ED1: Time-sensitive networking profile for industrial automation, 10/22/2021

Lamps and related equipment (TC 34)

34/827/CDV, IEC 62493/AMD1 ED2: Amendment 1 - Assessment of lighting equipment related to human exposure to electromagnetic fields, 11/19/2021

34B/2115/CDV, IEC 60061-PR2021-2 ED3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Proposal to add GJ6.6 fit systems to IEC 60061, 11/19/2021

34D/1631/CD, IEC 60598-1/FRAG11 ED10: Fragment 11 - Luminaires - Part 1: General requirements and tests, 11/19/2021

Laser equipment (TC 76)

76/686/CD, IEC TS 60825-20 ED1: Safety of Laser Products - Part 20: Safety requirements for products intentionally exposing face or eyes to laser radiation., 10/22/2021

Lightning protection (TC 81)

81/664/CD, IEC 62305-2 ED3: Protection against lightning - Part 2: Risk management, 10/22/2021

81/665/CD, IEC 62561-3 ED3: Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps (ISG), 10/22/2021

Performance of household electrical appliances (TC 59)

59C/267(F)/FDIS, IEC 63159-1 ED1: Household electric instantaneous water heaters - Methods for measuring the performance - Part 1: General aspects, 09/24/2021

59C/268(F)/FDIS, IEC 63159-2-1 ED1: Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-1: Multifunctional electric instantaneous water heaters, 09/24/2021

59C/269(F)/FDIS, IEC 63159-2-2 ED1: Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-1: Multifunctional electric instantaneous water heaters, 09/24/2021

Personal e-transporters (PeTs) (TC 125)

125/47/CD, IEC 63281-0 ED1: Personal e-Transporters - Terminology and classification, 11/19/2021

Safety of household and similar electrical appliances (TC 61)

61/6366/FDIS, IEC 60335-2-42 ED6: Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens, 10/08/2021

Standard voltages, current ratings and frequencies (TC 8)

8B/99/CD, IEC TR 63410 ED1: Decentralized electrical energy systems roadmap, 11/19/2021

Newly Published ISO & IEC Standards

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

ISO Standards

Agricultural food products (TC 34)

ISO 13493:2021, Meat and meat products - Determination of chloramphenicol content - Reference method, $111.00

ISO 22753:2021, Molecular biomarker analysis - Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains - General requirements, $149.00

Applications of statistical methods (TC 69)

ISO 22514-7:2021, Statistical methods in process management - Capability and performance - Part 7: Capability of measurement processes, $225.00

Biotechnology (TC 276)

ISO 23033:2021, Biotechnology - Analytical methods - General requirements and considerations for the testing and characterization of cellular therapeutic products, $175.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO 10360-10:2021, Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 10: Laser trackers, $200.00

Earth-moving machinery (TC 127)

ISO 10261:2021, Earth-moving machinery - Product identification numbering system, $73.00

Fine ceramics (TC 206)

ISO 23737:2021, Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for evaluating wear and friction characteristics of fine ceramic thin films under dry and humid conditions, $175.00

Geotechnics (TC 182)

ISO 17892-12/Amd1:2021, Geotechnical investigation and testing - Laboratory testing of soil - Part 12: Determination of liquid and plastic limits - Amendment 1, $20.00

Horology (TC 114)

IEC 60086-3:2021, Primary batteries - Part 3: Watch batteries, FREE

Industrial trucks (TC 110)

ISO 18063-2:2021, Rough-terrain trucks - Visibility test methods and their verification - Part 2: Slewing rough-terrain variable-reach trucks, $149.00

Paper, board and pulps (TC 6)

ISO 12625-7:2021, Tissue paper and tissue products - Part 7: Determination of optical properties - Measurement of brightness and colour with D65/10° (outdoor daylight), $73.00

Road vehicles (TC 22)

ISO 13988:2021, Passenger car and light truck vehicle wheels - Clip and adhesive balance weight and rim flange nomenclature, test procedures and performance requirements, $111.00

ISO 7299-2:2021, Diesel engines - End-mounting flanges for pumps - Part 2: High-pressure supply pumps for common rail fuel injection systems, $73.00

Rubber and rubber products (TC 45)

ISO 23641:2021, Flexible cellular polymeric materials - Determination of antibacterial effectiveness, $111.00

ISO 5470-2:2021, Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 2: Martindale abrader, $73.00

Ships and marine technology (TC 8)

ISO 4568:2021, Ships and marine technology - Sea-going vessels - Windlasses and anchor capstans, $73.00

Solid mineral fuels (TC 27)

ISO 567:2021, Coke - Determination of bulk density in a small container, $48.00

Solid Recovered Fuels (TC 300)

ISO 22940:2021, Solid recovered fuels - Determination of elemental composition by X-ray fluorescence, $200.00

Textiles (TC 38)

ISO 2403:2021, Textiles - Cotton fibres - Determination of micronaire value, $73.00

ISO 30023:2021, Textiles - Qualification symbols for labelling workwear to be industrially laundered, $73.00

Tourism and related services (TC 228)

ISO 22876:2021, Tourism and related services - Bareboat charter - Supplementary charter services and experiences, $73.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 10522:2021, Agricultural irrigation equipment - Direct-acting pressure-regulating valves, $111.00

ISO 16438:2021, Agricultural irrigation equipment - Thermoplastic collapsible hoses for irrigation - Specifications and test methods, $48.00

Traditional Chinese medicine (TC 249)

ISO 23959:2021, Traditional Chinese medicine - Glehnia littoralis root, $111.00

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

ISO 6717:2021, In vitro diagnostic medical devices - Single-use containers for the collection of specimens from humans other than blood, $111.00

ISO Technical Reports

Cosmetics (TC 217)

ISO/TR 23750:2021, Cosmetics - Answers to frequently asked questions on ingredients and product characterization according to ISO 16128-1 and ISO 16128-2, $111.00

Nickel and nickel alloys (TC 155)

ISO/TR 4644:2021, Nickels, ferronickels and nickel alloys - Standards for the determination of chemical composition, $149.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 30117:2021, Information technology - Standards and applications for the integration of biometrics and integrated circuit cards (ICCs), $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 5962:2021, Information technology - SPDX® Specification V2.2.1, $250.00

ISO/IEC 5965:2021, Information technology - Swordfish Scalable Storage Management API Specification, $250.00

ISO/IEC 20830:2021, Information technology - Automatic identification and data capture techniques - Han Xin Code bar code symbology specification, $250.00

ISO/IEC TS 20000-11:2021, Information technology - Service management - Part 11: Guidance on the relationship between ISO/IEC 20000-1 and service management frameworks: ITIL®, $225.00

IEC Standards

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

IEC 60958-1 Ed. 4.0 en:2021, Digital audio interface - Part 1: General, $221.00

S+ IEC 60958-1 Ed. 4.0 en:2021 (Redline version), Digital audio interface - Part 1: General, $288.00

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

IEC 60444-6 Ed. 3.0 b:2021, Measurement of quartz crystal unit parameters - Part 6: Measurement of drive level dependence (DLD), $183.00

S+ IEC 60444-6 Ed. 3.0 en:2021 (Redline version), Measurement of quartz crystal unit parameters - Part 6: Measurement of drive level dependence (DLD), $239.00

Safety of household and similar electrical appliances (TC 61)

IEC 60335-2-24 Ed. 8.0 b cor.1:2021, Corrigendum 1 - Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers, $0.00

Ultrasonics (TC 87)

IEC 63045 Ed. 1.0 b:2020, Ultrasonics - Non-focusing short pressure pulse sources including ballistic pressure pulse sources - Characteristics of fields, $392.00

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

TC 229, Nanotechnologies

Virtual Meeting Time: October 13-14, 2021

The **ANSI-Accredited U.S. TAG to ISO/TC 229 *Nanotechnologies*** will meet virtually on **October 13-14, 2021**. For additional information or to join the U.S. TAG, please contact Heather Benko (hbenko@ansi.org) at ANSI.

ANSI Accredited U.S. TAG to ISO

U.S TAG to ISO/TC 59 Building and civil engineering works and TC 59/SC 19 Prefabricated buildings

Virtual Meeting: October 18, 2021

The U.S. TAG to ISO/TC 59 and TC 59/SC 19 will be held virtually on 18 October 2021 at 1:00 EDT. For more information on the meeting and agenda, contact Judy Zakreski jzakreski@iccsafe.org.

ANSI Accredited U.S. TAG to ISO

U.S. TAG to TC 214 Elevating work platforms

Virtual Meeting: Wednesday, October 5, 2021

The U.S. TAG to ISO/TC 214 will be held virtually on Wednesday, October 5, 2021, 1:00pm-2:30pm PDT. For more information on the meeting and the agenda, contact Jeff Jurgens jjurgens@AEM.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

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Public Review: June 25 through September 27, 2021

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

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

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

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

BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 41.11-2020

Public Review Draft

Proposed Addendum a to Standard 41.11-2020, Standard Methods for Power Measurement

First Public Review (September 2021)
(Draft shows Proposed Changes to Current Standard)

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

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

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ASHRAE, 180 Technology Parkway, Peachtree Corners GA 30092

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 41.11-2020, *Standard Methods for Power Measurement*
First Public Review Draft

This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions).

Section 3, Definitions: Add the new definition below for clarification.

error: ~~the difference between the test result and its corresponding *true value*.~~ the difference between the observed value of the measurand and its corresponding *true value*.

post-test uncertainty*:* an analysis to establish the uncertainty of a test result after conducting the test.

pretest uncertainty: an analysis to establish the expected uncertainty interval for a test result prior to the conduct of a test.

steady-state criteria: the criteria that establish negligible change of power with time.

uncertainty: ~~a measure of the potential error in a measurement that reflects the lack of confidence in the result to a specified level.~~ the limits of error within which the *true value* lies.

Section 5.1, Test Plan: Revise as shown below to make it easier for Method of Test (MOT) and Method of Rating (MOR) standards to adopt this standard by reference.

5.1 Test Plan. ~~A test plan shall specify the power measurement system accuracy and the test points to be performed.~~ The test plan shall be one of the following documents:

a. A document provided by the person or the organization that authorized the tests and calculations to be performed.
b. A method of test standard.
c. A rating standard.
d. A regulation or code.
e. Any combination of items a. through d.

The test plan shall specify:

a. The power measurement system accuracy.
b. The values to be determined and recorded that are selected from this list: power measurement and power measurement uncertainty.
c. Any combination of test points and targeted set points to be performed together with operating tolerances.

Section 5.2, Values to Be Determined and Reported: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

5.2 Values to be Determined and Reported if Specified in the Test Plan in Section 5.1

5.2.1 Power, W (hp).
5.2.2 Uncertainty in the power measurement, W (hp).
5.2.3 Displacement Power Factor for linear AC electrical power load measurements, ~~%~~ dimensionless.
5.2.4 Real Power Factor for non-linear AC electrical power load measurements, ~~%~~ dimensionless.

Section 5, Requirements: Add a new Section 5.4, revise Section 5.5, and then renumber the remaining sections in Section 5. Also, renumber the references in Section 10 as indicated below.

5.4 Pretest Uncertainty Estimate. If required by the test plan in Section 5.1, perform an analysis to establish the expected uncertainty in each power measurement for a test prior to the conduct of that test in accordance with the pretest procedures in ASME PTC 19.1[1].

5.45 Post-test Uncertainty Estimate. If required by the test plan in Section 5.1, perform an analysis to establish the expected power uncertainty for each power measurement test point in accordance with the post-test procedures in ASME PTC 19.1[1]. ~~in shall be estimated as described in Section 9 for each test point.~~ Alternatively, if specified in the test plan, the worst-case uncertainty for all test points shall be estimated and reported for each test point.

Section 5.5, Steady-State Test Criteria: Revise as shown below to define the steady-state criteria requirements under laboratory and field test conditions.

5.5 Steady-State Test Criteria. Power test data shall be recorded at steady-state conditions unless otherwise specified in the test plan in Section 5.1. ~~If the test plan requires power test data points to be recorded at steady-state test conditions and provides the operating condition tolerance but does not specify the steady-state criteria, then determine that steady-state test conditions have been achieved using one of the following methods:~~

~~a. Apply the steady-state criteria in Section 5.5.1 if the test plan provides test points for power measurement.~~
~~b. Apply the steady-state criteria in Section 5.5.2 if the test plan provides targeted set points for power measurement.~~

5.5.1 Steady-State Test Criteria Under Laboratory Test Conditions. If the test plan requires power test data points to be recorded at steady-state test conditions and provides the operating condition tolerance but does not specify the steady-state criteria, then determine that steady-state test conditions have been achieved using one of the following methods:

a. Apply the steady-state criteria in Section 5.5.3 if the test plan provides test points for power measurement.
b. Apply the steady-state criteria in Section 5.5.4 if the test plan provides targeted set points for power measurement.

5.5.2 Steady-State Test Criteria Under Field Test Conditions. If the test plan requires power test data points to be recorded at steady-state test conditions and provides the operating condition tolerance but does not specify the steady-state criteria, the methods in Section 5.5.1 are optional.

Informative Note: The steady-state methods in Section 5.5.1 are likely to be impractical under field test conditions. Under these circumstances, the user may want to select another method to determine the conditions for field test data to be recorded.

Section 5.5, Revise subsection header numbers and Equation 5-16 as shown below.

~~5.5.1~~ 5.5.3 Steady-State Power Criteria for Test Points

~~5.5.2~~ 5.5.4 Steady-State Power Criteria for Targeted Set Points

~~$b\Delta t \leq 0.50T_L$ W (hp)~~ ~~(5-16)~~

$|b\Delta t| \leq 0.50P_L$ W (hp) (5-16)

Section 9.1, Uncertainty Estimate: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

8.1 Uncertainty Estimate. An estimate of the power measurement system uncertainty performed in accordance with ASME PTC 19.1[11] shall accompany each refrigerant flow measurement if specified in the test plan in Section 5.1.

Informative Note: Informative Annexes B and C contain examples of uncertainty calculations.

Section 9.1.4, Test Results: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

9.1.4 Test Results if Specified in the Test Plan in Section 5.1

a. Power, W (hp).
b. Pretest uncertainty ~~Uncertainty~~ in power measurement, W (hp).
c. Post-test uncertainty in power measurement, W (hp).

Section 9.2.2, Test Results: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

9.2.2 Test Results <u>if Specified in the Test Plan in Section 5.1</u>

a. Shaft speed, rev/s (rpm).
b. Shaft torque, N-m (ft-lb_f).
c. Power, W (hp).
d. <u>Pretest uncertainty</u> ~~Uncertainty~~ in power measurement, W (hp).
e. <u>Post-test uncertainty in power measurement, W (hp)</u>.

Section 9.3.3, Test Results: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

9.3.3 Test Results <u>if Specified in the Test Plan in Section 5.1</u>

a. Volumetric flow rate, m^3/s (gpm).
b. Differential pressure across the pump, kPa (psi).
c. Power, W (hp).
d. Uncertainty in power measurement, W (hp).

Tracking number 42i119r2
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Revision to NSF/ANSI 42-2020
Issue 119 Revision 2 (August 2021)

[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. Revision 2 additions are shown in yellow 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 – Aesthetic Effects

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4.2.3 Exposure

4.2.3.1 The system or component(s) of a system shall be installed, flushed, and conditioned in accordance with the manufacturer's instructions using the exposure water specified in Section 4.2.2 at an initial inlet static pressure of 340 kPa (50 psig). Nonpressurized systems, e.g., pour through products, shall be exposed at atmospheric pressure.

4.2.3.1.1 For powdered activated carbon and polymer binders finer than 100 mesh, testing shall be conducted in flasks with a ratio of 200 g media to 1 L of exposure water specified in Section 4.2.2. For other media additives finer than 100 mesh, testing shall be conducted in flasks at the dose specified by manufacturer's instructions to 1 L of exposure water specified in Section 4.2.2. Testing shall be completed at ambient atmospheric pressure and at a temperature of 23 ± 2 °C (73 ± 3 °F). Sufficient flasks shall be utilized to collect a minimum of 600 mL of water at each pour off, or the necessary volume for analysis, whichever is greater. ~~Initially, the media and exposure water~~ The flasks shall be conditioned in accordance with the manufacturer's instructions or shaken vigorously for 1 min, if no instructions are provided, ~~soaked, conditioned, or both in accordance with the manufacturer's instructions, and filtered using a suitably large fritted glass filter. The appropriate volume of water shall be added back to the media to allow exposure~~ and allowed to settle for 24 h. After 24 h of exposure, the sample ~~filtrate~~ water shall be collected, filtered using a fritted glass filter, and retained. The ~~filter funnel~~ flasks shall be refilled with the same volume of exposure water that was extracted, conditioned in accordance with the manufacturer's instructions or ~~the media shall be stirred or agitated~~ shaken vigorously for 1 min, ~~soaked, conditioned, or both in accordance with the manufacturer's instructions, and filtered. The appropriate volume of water shall be added back to the media to allow for exposure~~ ~~The flasks will be shaken vigorously for one minute~~ and allowed to settle for 24 h. A second ~~filtrate~~ water sample shall be collected, filtered, and retained ~~and the filter funnel flasks refilled~~. The ~~media~~ flasks shall be refilled, conditioned in accordance with the manufacturer's instructions or shaken vigorously ~~stirred or agitated~~ for 1 min, ~~soaked, conditioned, or both in accordance with the manufacturer's instructions, and filtered. The appropriate volume of water shall be added back to the media to allow for exposure~~ and allowed to settle for 24 h. A third ~~filtrate~~ water sample shall be collected and filtered. All ~~three filtrate~~ samples collected shall be composited and analyzed in accordance with Section 4.2.1. One control ~~apparatus~~ flask with 2 L of exposure water shall be processed in the same manner as above.

NOTE 1 — This section is only applicable if the manufacturer is unable to provide a coarser media sample (50x100 preferred) to test utilizing Sections 4.2.3.1 and 4.2.3.2.

NOTE 2 — A stopper or cap on the filter stem may be necessary to prevent dripping during exposure.

4.2.3.2 The system or component(s) shall be refilled with the exposure water specified in Section 4.2.2 and maintained for 24 h at a temperature of 23 ± 2 °C (73 ± 3 °F). A 2-L water sample shall then be collected in accordance with Section 4.2.3.3. The system or component(s) shall be flushed according to the manufacturer's instructions, refilled, and maintained for another 24 h at a temperature of 23 ± 2 °C (73 ± 3°F). A second 2-L water sample shall be collected in accordance with Section 4.2.3.3. The system or component(s) shall again be flushed according to the manufacturer's instructions, refilled, and maintained for a third period of 24 h at a temperature of 23 ± 2 °C (73 ± 3 °F). A third 2-L water sample shall be collected in accordance with Section 4.2.3.3.

Rationale: Revised language to be consistent with the 2017 ballot under Issue 93 to address fine media extraction testing. Revision 2 changes made per comments received from previous ballot (r1).

Tracking number 53i136r1 **Revision to NSF/ANSI 53-2020**
 Issue 136 Revision 1 (August 2021)

[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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Normative Annex 1

Test method for detecting and enumerating *Cryptosporidium parvum* oocysts

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N-1.6 Procedure

N-1.6.1 Sample collection

Influent samples shall be collected in 1 L bottles containing 1 mL 1.0% polyoxyethylene sorbitan mono-oleate (~~0.01%~~ 0.001%). All samples shall be refrigerated until analyzed. Influent samples shall be collected in ~~triplicate~~ singlicate.

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Rationale: Revised N-1.6.1 to correct the final concentration for polyoxyethylene sorbitan mono-oleate, and to eliminate the requirement that the influent samples be collected in triplicate per 2021 DWTU JC meeting discussion (May 12, 2021).

Tracking number 55i59r1 **Revision to NSF/ANSI 55-2020**
 Issue 59 Revision 1 (August 2021)

[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 –

Ultraviolet Microbiological Water Treatment Systems

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7 Elective performance claims – Test methods

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7.2 Microbiological performance – Low pressure mercury lamps only

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7.2.1.2 Apparatus

An apparatus shall be assembled in which a small stirred sample can be irradiated in a nearly collimated beam. A radiometer meeting specification in Section 7.2.1.2.1 can then be used to measure the incident irradiance (*Eo*).

A low-pressure mercury vapor UV lamp shall be wired to a ballast and a voltage regulator (Figure 2). A solution contained in a small dish equal to or smaller in diameter than that of the collimated tube shall be used. The solution shall be 1 cm deep. *Eo* shall be measured at the surface of the liquid by removing the dish and stirrer and placing the radiometer at the corresponding position from which the dish was removed. The UV irradiance at each point of the surface shall be within ± 5% of the average irradiance across the solution surface.

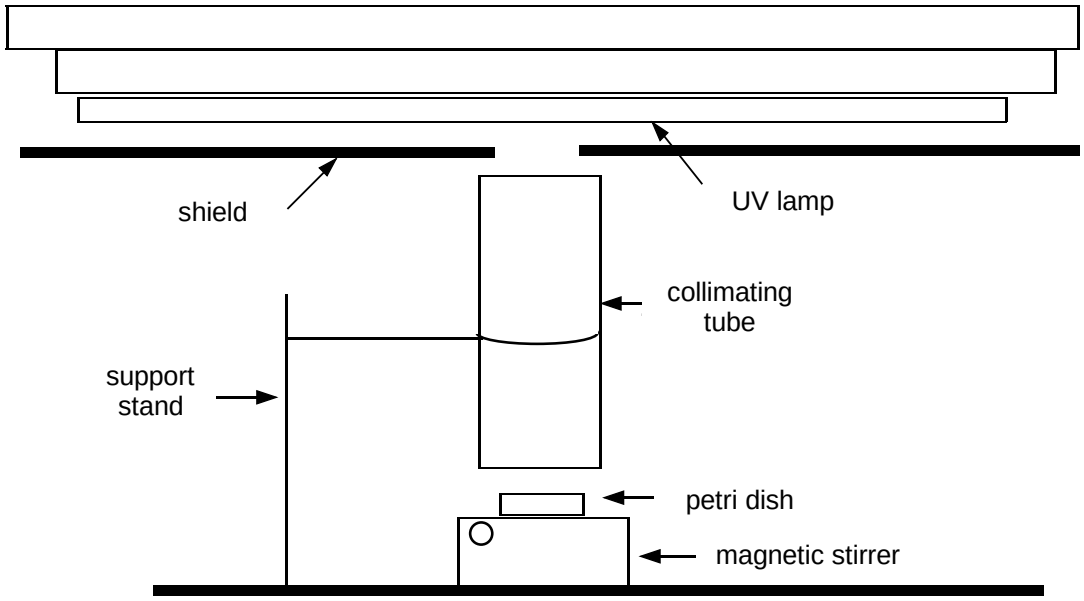

Figure 2
Collimated beam apparatus

~~NOTE 1~~ — The pathlength of the ultraviolet light column ~~collimating tubes~~ shall be a minimum of 53 cm (21 in) in length and the interior shall be painted flat black. The light pathlength must also be at least 6 times the diameter of the suspension's surface.

~~NOTE 2~~ — The support stand, if used, shall be adjustable to raise or lower the collimating tube to the surface of the petri dish.

~~NOTE 3~~ — The petri dish shall be set so the surface of the liquid is at the same level as the radiometer.

~~NOTE 4~~ — Measurement of the UV dose shall ~~must~~ be done at the same point at which the petri dish surface is exposed.

~~**Figure 2**~~
~~**Collimated beam apparatus**~~

Rationale: Revised to clarify collimated beam apparatus specifications.

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.3 Planning

4.3.1 ~~A hazard analysis shall be conducted to identify and evaluate known or reasonably foreseeable hazards for each type of dietary supplement to determine whether there are hazards requiring specifications. [21CFR111.70 & 21CFR117.130]~~

4.3.2~~1~~ A risk-based supplier qualification program is established and implemented for all ingredients. The program includes a supplier / ingredient risk evaluation, appropriate qualification activities as determined by the risk evaluation, and assurance that only approved suppliers are used. [21 CFR § 117.405 & 21 CFR § 117.410]

4.3.3~~2~~ Manufacturing processes shall be designed to produce a product that consistently meets specifications. [21 CFR § 111.355]

4.3.4~~3~~ Production and processes shall be designed to ensure the quality of the product and the QC unit has approved the control systems. [21 CFR § 111.60]

4.3.5~~4~~ Specifications shall be established for components, in-process materials, labels, packaging components, and finished product, and at any point, step, or stage in the manufacturing process where control is necessary. The basis is adequately documented for how meeting the in-process specifications, in combination with meeting component specifications, will help ensure that the dietary supplement specifications will be met (e.g., hazard analysis). [21 CFR 111.70]

4.3.6~~5~~ A crisis management plan is developed to manage significant disruptive events, including, but not limited to, natural disasters and catastrophic events that may impact the ability of the manufacturer to deliver a safe product.

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NSF/ANSI/CAN Standard
for Recreational Water Facilities –

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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6 Filters

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6.3 Sand-type filters

The requirements in this subsection apply only to sand-type filters and their integral components designed for the filtration of swimming pool or spa / hot tub water.

6.3.1 Upper distribution system (influent)

Components of the influent distribution system shall be designed so that they do not become clogged during filtration. The system shall distribute incoming water during the filter cycle to prevent appreciable movement or migration of filtering media at the design flow rate.

6.3.2 Lower distribution system (effluent)

Components of the effluent distribution system shall be designed so that they do not become clogged during filtration. The system shall provide adequate flow and distribution to expand the filtering bed uniformly during backwashing.

6.3.3 Accessibility of internal components

Internal filter components shall be accessible through an access opening in the filter tank. Filters having dome-type or similar underdrains with openings at least 0.189 in (4.8 mm) wide are exempt from this requirement.

6.3.4 Filter media

The default sand media used for performance testing shall conform to the following characteristics. Alternate sand replacement medias may be qualified with sand type filters upon request by filter manufacturer.

6.3.4.1 Filter sand shall be hard, silica-like material that is free of carbonates, clay, and other foreign material. The effective particle size shall be between 0.016 in (0.40 mm) and 0.022 in (0.55 mm), and the uniformity coefficient shall not exceed 1.75. Filters intended for use with an alternate media that does not conform to these requirements shall specify the alternate media on the data plate. The filter and the alternate media shall conform to the other applicable requirements of this Standard.

6.3.4.2 Effective size and uniformity coefficient evaluation shall be performed in accordance with ASTM C136[9] with sieves conforming to ASTM E11.[9] A minimum of five data points shall be measured for sizing. The particle size data shall be plotted as a smooth curve, which shall be used to read the sieve opening sizes at which 60% and 10% of particles can pass. The uniformity coefficient and effective size measured shall be ± 10% of the claimed uniformity coefficient and effective size or shall be within the claimed range of uniformity coefficient and effective size, whichever is larger.
Rationale: This is from section 13

6.3.4.3 Media sampling for sieve analysis shall be conducted in accordance to AWWA B100-16 section 5.2.

6.3.4.2~~4~~ If a different media is used to support the filter media, it shall be rounded material that is free of limestone and clay and installed according to the manufacturer's instructions. When the support media and the filter media are installed in accordance with the manufacturer's recommendations, the filter media shall not intermix with the support media when operated and backwashed at least three cycles in accordance with Section N-2.4.

~~**6.3.4.1 Alternate sand-type media**~~

~~A material that is marketed or claimed to replace sand directly as a filter media in a sand-type filter shall conform to Sections 4.2, 6.1.8, 6.1.9, 6.3.4.3, and 5.3.5 when tested in a representative sand-type filter in accordance with Sections N-2.3 through N-2.5.~~

~~**6.3.4.1.1** The manufacturer of an alternate sand-type media shall specify the particle size and uniformity coefficient for the media. Particle size and uniformity coefficient shall be confirmed in accordance with ASTM C136~~[Error! Bookmark not defined.] ~~with sieves conforming to ASTM E11.~~[Error! Bookmark not defined.]

~~**6.3.4.1.2** The filtration rate and backwash rate for an alternate sand-type media shall be as specified in Section 6.3.9.~~

~~**6.3.4.1.3 Sand-type media labeling requirements**~~

~~Sand-type media shall contain the following information on the product packaging or documentation shipped with the product:~~

- ~~manufacturer's name and contact information (address, phone number, website, or prime supplier);~~
- ~~product identification (product type and trade name);~~
- ~~net weight or net volume;~~
- ~~when applicable, mesh or sieve size;~~
- ~~lot number or other production identifier such as a date code;~~
- ~~when appropriate, special handling, storage and use instructions; and~~
- ~~the specific certification mark of the certifying organization for certified products.~~

Rationale: These requirements for media are currenly a duplicate of Section 13

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13 Filtration media

13.2 Sand and alternate sand-type filter media

13.2.1 Sand and alternate sand-type filter media shall conform to the requirements of Section 4.

13.2.2 Sand filter media

13.2.2.1 Filter sand shall be hard, silica-like material that is free of carbonates, clay, and other foreign material. The effective particle size shall be between 0.016 in (0.40 mm) and 0.022 in (0.55 mm), and the uniformity coefficient shall not exceed 1.75. Filters intended for use with an alternate media that does not conform to these requirements shall specify the alternate media on the data plate. The filter and the alternate media shall conform to the other applicable requirements of this Standard.

13.2.2.2 If a different media is used to support the filter media, it shall be rounded material that is free of limestone and clay and installed according to the manufacturer's instructions. When the support media and the filter media are installed in accordance with the manufacturer's recommendations, the filter media shall not intermix with the support media when operated and backwashed at least three cycles in accordance with Section N-2.4.

13.2.2.3 The manufacturer of sand and an alternate sand-type filter media shall specify the effective size and uniformity coefficient for the media. Effective size and uniformity coefficient evaluation shall be performed in accordance with ASTM C136[9] with sieves conforming to ASTM E11.[9] A minimum of five data points shall be measured for sizing. The particle size data shall be plotted as a smooth curve, which shall be used to read the sieve opening sizes at which 60% and 10% of particles can pass. The uniformity coefficient and effective size measured shall be ± 10% of the claimed uniformity coefficient and effective size, or shall be within the claimed range of uniformity coefficient and effective size, whichever is larger.

13.2.2.4 Media sampling for sieve analysis shall be conducted in accordance to AWWA B100-16 Section 5.2.

13.2.3 ~~Sand and alternate sand-type filter media~~ Performance testing

Filter media in a sand-type filter shall conform to Sections 4.2, 6.1.8, 6.1.9, 6.3.5, and 13.3 when tested in a representative sand-type filter in accordance with Sections N-2.3 through N-2.5.

~~**13.2.3.1** The manufacturer of sand and an alternate sand-type filter media shall specify the effective size and uniformity coefficient for the media. Effective size and uniformity coefficient evaluation shall be performed in accordance with ASTM C136[Error! Bookmark not defined.] with sieves conforming to ASTM E11.[Error! Bookmark not defined.] A minimum of five data points shall be measured for sizing. The particle size data shall be plotted as a smooth curve, which shall be used to read the sieve opening sizes at which 60% and 10% of particles can pass. The uniformity coefficient and effective size measured shall be ± 10% of the claimed uniformity coefficient and effective size or shall be within the claimed range of uniformity coefficient and effective size, whichever is larger~~. *Rationale: Text duplicated (13.2.2.3)*

~~**13.2.3.2**~~ **13.2.3.1** The filtration rate and backwash rate for sand and alternate sand-type filter media shall be as specified in Section 6.3.9.

13.2.4 Installation and operating instructions

The manufacturer of sand and alternate sand-type media shall provide written instructions for the installation of the media in a filter, including requirements for a different support media; for any specific preparation of the media for operation; and for the operation of filter with the media.

13.2.5 Sand and alternate sand-type media labeling requirements

Sand and alternate sand-type filter media shall contain the following information on the product packaging or documentation shipped with the product:

- manufacturer's name and contact information (address, phone number, website, or prime supplier);
- product identification (product type, and tradename);
- net weight or net volume;
- when applicable, mesh or sieve size;
- uniformity coefficient for particle size;
- lot number or other production identifier such as a date code;
- when appropriate, special handling, storage and use instructions; and
- the specific certification mark of the certifying organization for certified products.

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NSF/ANSI Standard
For Recreational Water Facilities –

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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15 Ultraviolet (UV) light process equipment

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15.18.2 Testing

Products shall be tested to confirm single pass inactivation equivalent to 3 log (99.9%) or greater of *C. parvum* in accordance with NSF/EPA ETV – *Generic Protocol for Development of Test / Quality Assurance Plans for Ultraviolet (UV) Reactors*.[20] Only full stream testing shall be acceptable, there shall be no partial or side stream treatment testing.

The manufacturer of a reactor validated for performance under one of the following protocols shall submit details of the testing for evaluation and validation:

— US EPA UV DGM;[20]
— US EPA Innovative Approaches for Validation of Ultraviolet Disinfection Reactors for Drinking Water Systems[20];
— DVGW, W-294 Parts 1-3;[13] or
— ÖNORM, 5873 1 and 2.[8]

Validation of a range of reactors with pre-existing test data shall include testing of at least one (1) unit at one (1) set point to evaluate for potential changes in design, suppliers and corroborate previous data.

[20] Superintendent of Documents, US Government Printing Office. Washington, DC 20402<www.gpo.gov>

BSR/UL 13, *Standard for Safety for Power-Limited Circuit Cables*

1. **TOPIC 1 – Sunlight Resistance - Deletion of Carbon-Arc Exposure**

PROPOSAL

29 Sunlight Resistance Test

29.1 Type PLTC cable, and any other cable that is marked for sunlight-resistant use, is to be considered acceptable for use in sunlight if the ratio of the average tensile strength and ultimate elongation of five conditioned specimens of the overall jacket to the average tensile strength and ultimate elongation of five unaged specimens of the overall jacket is 0.80 or more when the finished cable is conditioned and tested as described in the test Physical Properties (Ultimate Elongation and Tensile Strength), in UL 2556 using 720 hours of ~~carbon-arc exposure or~~ xenon-arc exposure.

2. TOPIC 2 – Adding laser marking to surface marking

PROPOSAL

47.2

d) Laser printing shall be acceptable if it does not reduce the tensile strength and elongation (unaged and after conditioning) below the minimum allowed for the material. The laser-imprinted area shall not be buffed or skived during the test.

BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

1. Addition of requirements for integral mixing valves

PROPOSAL

23.3 ~~A~~ The temperature-regulating ~~thermostat or~~ control required by 23.1 shall be set before leaving the factory to a control position corresponding to a water temperature no higher than 51.7°C (125°F).

Exception: When the water heater is equipped with a thermostatic mixing valve in addition to the temperature regulating control, the factory setting of the water temperature mixing valve shall be no higher than 51.7°C (125°F) and the temperature-regulating control shall be factory set no higher than 60°C (140°F).

23.4 When the water heater is equipped with a thermostatic mixing valve, the mixing valve shall not be used as the sole means of water temperature regulation to meet the requirements of 23.1 and the mixing valve shall comply with the requirements of ASSE 1017 “Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems” or an equivalent nationally recognized standard.

50.2 A water heater equipped with an adjustable temperature-regulating control shall be provided with instructions that:

a) Inform the user that the thermostat or thermostatic mixing valve, as applicable, has been set at the factory to 51.7°C (125°F) or lower, see 23.3 – 23.4, to reduce the risk of scald injury;

b) Inform the user how to change this setting when the user so desires;

c) Include any precautions to be followed in changing the setting; and

d) Provide information regarding the availability of temperature-limiting valves for use in hot water lines.

BSR/UL 844, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations

1. Revisions to Clause 26.18 and Table 28.1 to Correct Errors in -60°C Explosion Test Wording.

PROPOSAL

26.18 For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus 25 ~~60~~°C (minus 13 ~~58~~°F), the explosion tests shall be determined by one of the following methods:

a) For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus 25 ~~60~~°C (minus 13 ~~58~~°F), the explosion tests shall be performed at the minimum ambient specified, ±5°C (±9°F) degrees. When the ambient specified is such that common materials within the Group are not flammable, a test temperature shall be specified that represents the minimum temperature at which the test gasses shown in Table 26.2 remain gasses, or

b) For equipment for use in Group C or D classified locations, rated not less than minus 60°C (minus 76°F), not subject to pressure piling, and determined to comply with the flame propagation requirements in 26.3~~(b)~~, the equipment shall alternatively be subjected to the hydrostatic pressure test using the test factors for low ambient rated equipment found in Table 28.1, based upon room ambient explosion pressure tests, or

c) The reference pressure shall be determined at room ambient temperature using the defined test mixture(s), but at increased pressure. The absolute pressure of the test mixture (P) shall be calculated by the following formula, using T_a in °C:

$$P = 100[293 / (T_a, \text{min} + 273)] \text{ (kPa)}$$
or
$$P = 14.6959 [293 / (T_a, \text{min} = 273)] \text{ (psi)}$$

Table 28.1
Safety factors for determining the strength of an enclosure

~~Enclosure material or part~~	~~Test factor for calculations~~	~~Test factor for equipment rated and marked as less than minus 50°Ca (minus 58°F) ambient~~	~~Test factor for hydrostatic pressure tests~~
~~Cast metal~~	~~5~~	~~6~~	~~4~~
~~Non-metallic~~	~~–~~	~~–~~	~~4~~
~~fabricated steel and aluminum~~	~~4~~	~~4.5~~	~~3b~~
~~Cover bolts or screws~~	~~3~~	~~4.5~~	~~3~~

~~a For Group C or D equipment in accordance with the Exception to 26.18, where the equipment is not subject to pressure piling.~~

~~b The enclosure shall withstand a hydrostatic pressure of at least twice the maximum internal explosion pressure without permanent distortion and at least three times the maximum internal explosion pressure without rupture.~~

Enclosure material or part	Test factor for hydrostatic pressure test for ambient to minus 25°C[b]	Test factor for hydrostatic pressure test for ambient to C[a]			Test factor for calculations to
		Minus 40°C	Minus 60°C	Minus 60°C	Minus 25°C
Cast metal	4	6	6	6.5	5
Non-metallic other than glass	4	[c]	[c]	[c]	4
Glass	4	6	6	6.5	[c]
Fabricated steel and aluminum	3[d]	4.5	4.5	4.8	4
Cover bolts or screws	3	4	4.5	4.8	3

[a] For equipment in accordance with 26.18, where the equipment is not subject to pressure piling.

[b] Applies to equipment tested in accordance with 26.18A.1 (1) and (3).

[c] Undefined.

[d] The enclosure shall withstand a hydrostatic pressure of at least twice the maximum internal explosion pressure without permanent distortion and at least three times the maximum internal explosion pressure without rupture.

BSR/UL 1682, Standard for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type

1. Alternative terminal identifier for the connection of the grounded conductor

Table 19

Identification of wiring terminals

(See Clause 7.2.2.1 and Figure 5)

Identification by:	Grounded/bonded terminal	Grounding/bonding terminal	All other terminals
Wire-binding screw	White or silver-colored metal or plating on screw head. In Mexico, the letter "N" adjacent to the wire binding screw may be used instead.	Hexagonal, green-colored nut[b] or slotted screw head.[b] In Mexico, the ground symbol[d] adjacent to the wire binding screw may be used instead.	Other than white, silver, gray, or green circular screw head
Pressure wire terminal-visible	White or silver-colored metal or plating on connector. In Mexico, the letter "N" adjacent to the pressure wire terminal may be used instead.	Green-colored connector or appendage.[b] In Mexico, the ground symbol[d] adjacent to the wire binding screw may be used instead.	Other than white, silver, gray, or green colored terminal
Pressure wire terminal-concealed	Distinct white-colored area adjacent to wire entrance hole, or the word "white", or the letter "W" distinctively marked adjacent to wire entrance hole.[c] In Mexico, the letter "N" adjacent to the pressure wire terminal may be used instead.	Distinct green-colored area adjacent to wire entrance hole, or the word "green" or "ground", the letters "G" or "GR", or the grounding/bonding symbol[d] distinctively marked adjacent to wire entrance hole[c]	Other than white, silver, gray, or green area adjacent to wire entrance hole
Set screw	Distinct white-colored area adjacent to wire entrance hole, the word "white", or the letter "W" distinctively marked adjacent to wire entrance hole.[c] In Mexico, the letter "N" adjacent to the set screw may be used instead.	Distinct green-colored area adjacent to wire entrance hole, or the word "green" or "ground", the letters "G" or "GR", or the grounding/bonding symbol[d] distinctively marked adjacent to wire entrance hole[c]	Other than white, silver, gray, or green area adjacent to wire entrance hole
Terminal plate[a]	White or silver-colored metal or plating	-	Other than white, silver, gray, or green metal or plating
Insulating enclosure or terminal	The word "white" or the letter "W", marked on or directly adjacent to terminal[c], or white or silver-colored metal or plating on terminal. In Mexico, the letter "N" adjacent to the wire binding screw may be used instead.	The word "green", the word "ground", or the letters "G" or "GR"[c] marked on or directly adjacent to terminal, or green colored terminal, or the grounding/bonding symbol[d]	— Other than white, silver, gray, or green-colored terminal
			~~Other than white, gray, or green-colored terminal~~

[a] Only if all line-terminal binding screws are of the same color.
[b] Not readily removable. See Clause 7.2.2.2.
[c] In letters at least 1.6 mm (1/16 inch) high.
[d] The grounding/bonding symbol shown in Figure 5 is permitted, with or without the circle.