ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 WEST 43RD STREET NY. NY 10036

VOL. 52| NO. 27 July 2, 2021

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ISSN 0038-9633

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.

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 www.asce.org
Contact: James Neckel; jneckel@asce.org

Revision

BSR/ASCE/EWRI 12-202x, Standard Guidelines for the Design of Urban Subsurface Drainage (revision and partition of ANSI/ASCE/EWRI 12/13/14-2013)

Stakeholders: Agencies such as: Federal transportation agencies as well as public works/engineering departments of state and local jurisdictions and airports, as well as private commercial, residential, industrial, hospitality developers.
Project Need: To create a consensus-based set of guidelines for the design of urban subsurface drainage. Many agencies have their own standards on this subject, but there is no overall national consensus document.
Scope: The intent of these standard guidelines is to provide a state-of-the-art design guidelines in a logical engineering order. It is a regularly scheduled update of Standard Guidelines for the Design of Urban Subsurface Drainage, ASCE/EWRI 12-13.

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 www.asce.org
Contact: James Neckel; jneckel@asce.org

Revision

BSR/ASCE/EWRI 13-202x, Standard Guidelines for the Installation of Urban Subsurface Drainage (revision and partition of ANSI/ASCE/EWRI 12/13/14-2013)

Stakeholders: Agencies such as: Federal transportation agencies as well as public works/engineering departments of state and local jurisdictions and airports, as well as private commercial, residential, industrial, and hospitality developers.
Project Need: To create a consensus-based set of guidelines for the installation of urban subsurface drainage. Many agencies have their own standards on this subject, but there is no overall national consensus document.
Scope: The intent of these standard guidelines is to provide a state-of-the-art installation guidelines in a logical engineering order. It is a regularly scheduled update of Standard Guidelines for the Installation of Urban Subsurface Drainage, ASCE/EWRI 13-13.

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 www.asce.org
Contact: James Neckel; jneckel@asce.org

Revision

BSR/ASCE/EWRI 14-202x, Standard Guidelines for the Operation and Maintenance of Urban Subsurface Drainage (revision and partition of ANSI/ASCE/EWRI 12/13/14-2013)

Stakeholders: Agencies such as: Federal transportation agencies as well as public works/engineering departments of state and local jurisdictions and airports, as well as private commercial, residential, industrial, and hospitality developers.
Project Need: To create a consensus-based set of guidelines for the operation and maintenance of urban subsurface drainage. Many agencies have their own standards on this subject, but there is no overall national consensus document.
Scope: The intent of these standard guidelines is to provide a state-of-the-art operation and maintenance guidelines in a logical engineering order. It is a regularly scheduled update of Standard Guidelines for the Design of Urban Subsurface Drainage, ASCE/EWRI 14-13.

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 www.asme.org
Contact: Maria Acevedo; ansibox@asme.org

Revision

BSR/ASME PTC 50-202x, Performance Test Code for Fuel Cell Power Systems Performance (revision of ANSI/ASME PTC 50-2002 (R2019))

Stakeholders: Designers, producers, manufacturers, constructors, owners, utilities, operators, consultants, users, general interest, laboratories, regulatory/government, testing services, distributors.
Project Need: This standard will be revised to update and align the standard to current industry needs and practices.
Scope: This Code provides test procedures, methods, and definitions for the performance characterization of fuel-cell power systems. Fuel-cell power systems include all components required in the conversion of input fuel and oxidizer into output electrical and thermal energy. Performance characterization of fuel systems includes evaluating system energy inputs and electrical and thermal outputs to determine fuel-to-electrical energy conversion efficiency and, where applicable, the overall thermal effectiveness.

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 A5.34/A5.34M-202X, Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2020)

Stakeholders: Professionals involved in nickel welding.
Project Need: Adding two new filler metal classifications.
Scope: This specification prescribes requirements for the classification of flux-cored and metal-cored nickel-alloy electrodes. For flux-cored electrodes, testing determines the chemical composition, mechanical properties, soundness of the weld metal, and the welding position usability characteristics of the electrode using the specified shielding gas. For metal-cored electrodes, testing determines the chemical composition, using the chemical compositions specified in AWS A5.14/A5.14M. This specification includes those compositions in which the nickel content exceeds that of any other element but excludes nickel-base alloy compositions intended for the joining of cast irons. 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 A5.10/A5.10M-202x (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273:2015 with modifications and revision of ANSI/AWS A5.10/A5.10M:2021 (ISO 18273:2015 MOD))

Stakeholders: Producers, users, consultants, educators, and those having general interest in aluminum filler metals
Project Need: Correcting radiography information.
Scope: This specification prescribes requirements for the classification of bare wrought and cast aluminum-alloy electrodes and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes. 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

New Standard

BSR/AWS A5.12M/A5.12-202X (ISO 6848-2015 MOD), Specification for Tungsten and Oxide Dispersed Tungsten Electrodes for Arc Welding and Cutting (new standard)

Stakeholders: Producers, users, consultants, educators and professionals with general interest in welding and cutting using tungsten and oxide-dispersed tungsten electrodes.
Project Need: This specification is needed for welding professionals involved in tungsten and oxide-dispersed tungsten for arc welding and cutting electrodes.
Scope: This specification prescribes the requirements for the classification of bare tungsten and tungsten-alloy electrodes for gas tungsten arc welding and cutting and plasma arc welding and cutting. Classification is based upon the chemical composition of the electrode. Standard sizes, finish, lengths, quantities, product identification, color coding, and chemical composition limits are specified. 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. This specification adopts the requirements of ISO 6848:2004 and incorporates the provisions of earlier versions of AWS A5.12 allowing for classifications under both specifications.

AWS (American Welding Society)

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

National Adoption

BSR/AWS A5.4/A5.4M-202X (ISO 3581-2016 MOD), Welding Consumables - Covered Electrodes for Shielded Metal Arc Welding of Stainless and Heat-Resisting Steels - Classification (national adoption of ISO 3581:2016 with modifications and revision of ANSI/AWS A5.4/A5.4M-2012)

Stakeholders: Professionals involved in stainless steel welding.
Project Need: Adding filler metal classifications from ISO 3581:2016.
Scope: Composition and other requirements are specified for more than ninety classifications of covered stainless steel welding electrodes with the inclusion of numerous classifications from ISO 3581. The requirements include general requirements, testing, and packaging. Annex A provides application guidelines and other useful information about 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

National Adoption

BSR/AWS A5.9/A5.9M-202X (ISO 14343-2017 MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M:2017 (ISO 14343:2009 MOD))

Stakeholders: All welding professionals involved in stainless steel welding including producers, educators, consultants, users, and those having general interest.
Project Need: Removing some ISO filler metal designations which are considered not vetted.
Scope: This specification prescribes the requirements for classification of bare stainless steel electrodes (both as wire and strip) for gas-metal arc welding, submerged arc welding, and other fusion welding processes. It also includes wire and rods for use in gas-tungsten arc welding and plasma arc welding. Classification is based on chemical composition of the filler metal. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the stainless-steel filler metal. This specification does not include any units other than weight percent. The specification's Annex A 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: Sandra Richiez; srichiez@aws.org

New Standard

BSR/AWS B5.20-202x, Specification for the Qualification of Structural Steel Inspectors (new standard)

Stakeholders: Consumers, candidates.
Project Need: Program Development. AWS shall serve as the overall project manager in the development of this program. Subprojects will pass through normal AISC processes where appropriate, through normal AWS processes where appropriate, and through new joint program specific processes where appropriate. Regardless of whose organization's processes are used on subprojects, there will be representation of both organizations in some form in all activities.
Scope: This agreement establishes a working arrangement between the American Welding Society (AWS) and the American Institute of Steel Construction (AISC) for the purpose of developing a joint certification program for structural steel inspectors ("SSI"), including all future revisions or additions. The initial term of this agreement shall be five (5) years from the effective date. This agreement will automatically renew for additional terms of two (2) years each, unless either party gives the other party written notice of non-renewal at least one (1) year prior to the end of the then-current term.

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 www.pumps.org
Contact: Edgar Suarez; esuarez@pumps.org

Revision

BSR/HI 9.6.1-202x, HI 9.6.1 Rotodynamic Pumps Guideline for NPSH Margin (revision of ANSI/HI 9.6.1-2017)

Stakeholders: Pump manufacturers, suppliers, consultants, and end-users.
Project Need: To improve upon the existing ANSI/HI 9.6.1 standard.
Scope: To establish recommended net-positive suction head available (NPSHA) above the published NPSH required (NPSHR) that will lead to acceptable pump performance and service life. The scope applies to rotodynamic pumps with absorbed power levels up to 4 megawatts (MW) (5300 horsepower [hp]) and impeller inlet tip speeds less than 40 meters per second (m/s) (130 feet per second [ft/s]).

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 www.pumps.org
Contact: Edgar Suarez; esuarez@pumps.org

Revision

BSR/HI 9.6.3-202x, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2017)

Stakeholders: Pump manufacturers, suppliers, consultants, and end-users.
Project Need: To improve upon the existing ANSI/HI 9.6.3 standard.
Scope: This guideline discusses the effects of operating a rotodynamic pump at rates of flows greater than or less than the pump's best efficiency point. These effects influence the power consumption and life of pump components and, therefore, considering the operating rate of flow is essential to reliable, efficient pump operation.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.31-202X, Roadway and Area Lighting Equipment - Luminaire Vibration (revision of ANSI C136.31-2018)

Stakeholders: Luminaire manufacturers, test labs, end users.
Project Need: Address inconsistencies in testing setup, procedures, and provide guidance on test variables, instrumentation placement, and attachment methods.
Scope: This Standard covers the minimum vibration withstand capability and vibration test methods for roadway and area luminaires. This Standard is not intended to address natural or catastrophic disasters.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA CP-80006-202x, Standard for DC Capacitors (new standard)

Stakeholders: Capacitor manufacturers, utilities, building engineers, government, and academia.
Project Need: Increase in use of DC.
Scope: This standard applies to conventional DC capacitors (film foil oil) for HVDC-DC filter applications. This Standard will also be applicable to other applications where the capacitor unit(s) or bank(s) are exposed to a substantial direct voltage such as, for example, neutral bus capacitors.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA CP-80007-202x, Standard for Low Voltage Capacitors (new standard)

Stakeholders: Capacitor manufacturers, electrical system designers, manufacturers of power generation, utilities.
Project Need: There is no North American Standard for low-voltage power capacitors, which causes product design and performance variances between manufacturers, integrators, and end-users. These variances result in installation challenges and poor performance.
Scope: This document provides standard requirements and general guidelines for the design, performance, testing, and application of low-voltage dry-type alternating-current (AC) power capacitors rated 1,000 V or lower, and for connection to low-voltage distribution systems operating at a nominal frequency of 50 Hz or 60 Hz. This document does not pertain to low-voltage oil-filled or direct-current (DC) power capacitors

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA TP 80002-202x, Standard for Medium Voltage Transformers with Converter/Inverter Configuration and/or Rectifier Transformers to Minimize Line Losses (new standard)

Stakeholders: Transformer manufacturers, building engineers, developers and consultants, Government and Academia, Renewable Energy Planners.
Project Need: Facilitation of renewable energy projects.
Scope: Grid planners are more frequently connecting load centers, such as small towns/cities, with MV DC connections to facilitate greater power flow control and facilitate renewable penetration. The links are generally in the 24-36kV range. This architecture requires transformers to be installed on the AC sides of the links, so use of an inverter and converter is necessary, which risks energy losses through the inversion/conversion. This Standard is intended to provide guidance for those medium voltage transformers with converter/inverter configuration and/or rectifier transformers to minimize line losses.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA TP 80003-202x, Standard for Medium Voltage DC Transformers (Eliminating the Need for Power Conversion) (new standard)

Stakeholders: Transformer manufacturers, building engineers, developers and consultants, governments and academia, electric utilities.
Project Need: Increased prevalence of DC power usage.
Scope: Grid planners are more frequently connecting load centers such as small towns/cities with Medium Voltage DC connections to facilitate greater power flow control and facilitate renewable penetration. The links are generally in the 24-36 kV range. As research continues on solid-state transformers, the industry moves closer to eventual widespread use of these devices to safely integrate renewable generation into the grid at proper voltages and frequencies. With power electronics included within the transformer, external power conversion would not be needed. These requirements would cover medium voltage DC transformers (eliminating the need for power conversion).

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA TP 80004-202x, Medium Voltage Solid-State Transformers to Minimize Line Losses through Power Conversion and/or Actively Regulate Voltage and Current from Renewable Generation (new standard)

Stakeholders: Transformer manufacturers, building engineers, developers and consultants, government and academia.
Project Need: Transformer needs due to increasing DC applications.
Scope: Grid planners are more frequently connecting load centers such as small towns/cities with MV DC connections to facilitate greater power flow control and facilitate renewable penetration. The links are generally in the 24-36 kV range. This architecture requires transformers to be installed on the AC sides of the links, so use of an inverter and converter is necessary, which risks energy losses through the inversion/conversion. This standard is for medium voltage solid-state transformers to minimize line losses through power conversion and/or actively regulate voltage and current from renewable generation.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR/NEMA TP 80005-202x, Standard for Nameplate Specification of kVA Ratings at 65 degree C Rise and an 85 degree C Rise in Liquid-Immersed Transformers (new standard)

Stakeholders: Transformer manufacturers, electric utilities, building engineers, developers and consultants, government and academia.
Project Need: Increased customer loads due to electric vehicle and electric heating.
Scope: Projections for increased customer loads (largely due to forecasted growth in electric vehicles and electric heating) will likely require higher voltage/current ratings on transformers. Utilities can approach this challenge in several different ways, one of which is to purchase and install new transformers designed with higher thermal insulations and/or new insulation liquids to achieve higher voltage/current ratings at the same size and weight as their predecessors. These transformers using advanced insulation technologies could operate at higher temperatures (i.e., to accommodate the higher ratings). A dual kVA nameplate based on two different temperature rise parameters would be beneficial in this application.

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 1970-202x, Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel and Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS) (new standard)

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 provides minimum design, performance, testing, and certification requirements for the following:
(1) New structural and proximity firefighting protective ensembles and ensemble elements that include coats, trousers, coveralls, helmets, gloves, footwear, and interface components, which further include optional requirements for the following:
(a) Particulate barrier protective hood interface components
(b) Structural firefighting protective ensembles and proximity firefighting ensembles that provide limited protection from liquid and particulate hazards
(2) New nonprimary work apparel and individual garments composing work apparel, which further include optional requirements for the following where such options are specified or claimed to be used in the construction of work apparel:
(a) Flame resistance
(b) Water resistance
(c) Insect repellency
(3) New compressed breathing air open-circuit self-contained breathing apparatus (SCBA) and compressed breathing air combination open-circuit self-contained breathing apparatus and supplier air respirators (SCBA/SARs)
(4) New personal alert safety systems (PASS) for emergency services personnel that include stand-alone PASS, integrated PASS, and RF PASS in addition to PASS or RF PASS devices certified to an earlier edition of NFPA 1982 that incorporate parts, components, or software to meet the 2024 edition of NFPA 1970.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 www.tappi.org
Contact: Brittaney Lovett; standards@tappi.org

Revision

BSR/TAPPI T 252 om-202x, pH and Electrical Conductivity of Hot Water Extracts of Pulp, Paper, and Paperboard (revision of ANSI/TAPPI T 252 om-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct required five-year review of an existing TAPPI Standard.
Scope: This procedure provides for the extraction of pulp, paper, and paperboard samples using boiling reagent water followed by determination of the pH and conductivity of the extract.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 www.tappi.org
Contact: Brittaney Lovett; standards@tappi.org

Revision

BSR/TAPPI T 489 om-202x, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2015)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To revise existing TAPPI/ANSI standard based on comments received on Draft 1 ballot.
Scope: This test method covers a procedure used to measure the resistance to bending of paper and paperboard and to determine the bending moment required to deflect the free end of a 38 mm (1.5 in.) wide vertically clamped specimen 15° from its center line when the load is applied 50 mm (1.97 in.) away from the clamp.

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 942-C-202x, Telecommunications Infrastructure Standard for Data Centers (revision and redesignation of ANSI/TIA 942-B-2017)

Stakeholders: Cabling system designers, installers, consultants, architects, engineers; manufacturers, cabling systems owners, facilities management organizations, contractors, data center owners, data center designers, data center and cloud service providers.
Project Need: Update standard.
Scope: This Standard specifies the minimum requirements for telecommunications infrastructure of data centers and computer rooms, including edge data centers, enterprise data centers, managed services data centers, colocation data centers, and cloud data centers. The topology specified in this document is intended to be applicable to any size data center.

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: August 1, 2021

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

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

Addenda

BSR/ASHRAE Addendum bv to ANSI/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum adds new property Write_Every_Schedule_Action to the Schedule object, fixes XML namespace, and prevents Remote Traffic Duplication.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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Addenda

BSR/ASHRAE Addendum ca to BSR/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Addendum ca to ANSI/ASHRAE Standard 135-202x)
This addendum introduces the Concept of Color for BACnet; adds new Color object type, new Color Temperature object type, color-reference properties to LO and BLO object types, and high/low trim to LO object type; and makes aggregated changes to Clauses 21 and 25.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: August 1, 2021

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

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

Addenda

BSR/ASHRAE/ASHE Addendum a to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)
This addendum addresses the issue presented by patients or residents being in beds, chairs, or required fixed positions that would make it difficult to look up or out to gain the view fenestration. Additionally, it adjusts the line of sight distance for the additional area generally utilized in assisted living facilities.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum f to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum proposes changes that would lend more practicality to the Invasive Plant requirements (5.3.3.1), which at present are considered difficult to implement and enforce. Specifically, a new exception is added that excludes plants used as turfgrass or for human consumption. Also included are resources to assist jurisdictions with identifying regional invasive plant lists or developing one of their own.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum aq to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Addendum aq to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-202x)
This ISC clarifies and adds flexibility to the requirements for plant selection on greenfield building projects. It also removes the limitation that had been in place for the use of vegetative roof systems, which may need to be employed to a greater extent in urban settings.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

BIFMA (Business and Institutional Furniture Manufacturers Association)

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

New Standard

BSR/BIFMA X5.41-202X, Large Occupant Public and Lounge Seating (new standard)
This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of business and institutional large occupant public and lounge seating. Note: This second public review is limited to clause 14 weight bag drop height. Clause 14 is attached. BIFMA rescinded the initial May 24, 2021 approval of X5.41 to correct the weight bag drop height in clause 14. The bag height is now corrected to the agreed upon 91 mm (3.6") / 30 mm (1.2"). This is highlighted in yellow in the document.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: dpanning@bifma.org

Comment Deadline: August 1, 2021

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i113r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i116r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-202x (i116r1))
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 ANSI/NSF Standards or Criteria shall conform to the applicable requirements therein. 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: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i135r1), 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: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i22r1), 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: rbrooker@nsf.org

Comment Deadline: August 1, 2021

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i29r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic 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: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i36r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, as well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug 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: rbrooker@nsf.org

Comment Deadline: August 16, 2021

ASA (ASC S12) (Acoustical Society of America)

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

National Adoption

BSR/ASA S12.55-202x/Amd.1-202x/ISO 3745-202x/Amd 1-202x, 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)
This amended Annex provides general procedures for qualification of anechoic and hemi-anechoic rooms in which the performance of the room is tested by comparing the spatial decrease of sound pressure emitted from a test sound source with the decrease of sound pressure that would occur in an ideal free sound field.
Single copy price: $15.00
Obtain an electronic copy from: standards@acousticalsociety.org
Order from: Nancy Blair-DeLeon; standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 16, 2021

ASA (ASC S12) (Acoustical Society of America)

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

National Adoption

BSR/ASA S12.79-202x/ISO 26101-202x, Acoustics - Test methods for the qualification of free-field environments (identical national adoption of ISO 26101:2017)
This document specifies methodology for qualifying spaces as anechoic and hemi-anechoic spaces meeting the requirements of a free sound field. This document specifies discrete-frequency and broadband test methods for quantifying the performance of anechoic and hemi-anechoic spaces, defines the qualification procedure for an omni-directional sound source suitable for free-field qualification, gives details of how to present the results, and describes uncertainties of measurement.
Single copy price: $112.00
Obtain an electronic copy from: standards@acousticalsociety.org
Order from: Nancy Blair-DeLeon; standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum g to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum updates Table B-7 for efficiency of heat rejection equipment. Equipment efficiencies currently equal to 90.1 values are being raised by 5%. This addendum also reflects that R-507A has been eliminated from the market and replaced with R-448A. Finally, a few corrections to the published 2020 version of Table B-7 were identified and noted within this addendum.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum ag to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This addendum adds an optional Mechanical System Performance path that allows HVAC system efficiency tradeoffs. It has the potential to be expanded in the future to include service water heating systems in Section 7 and allow heat recovery efficiency to be credited. The intent is to provide an alternative to a completely prescriptive-based approach to 90.1 compliance that does not require whole-building energy modeling. To ensure that equivalent energy savings are maintained compared to the current requirements, a new metric is also being introduced for evaluating HVAC systems under the new performance path: the Total System Performance Ratio (TSPR). This new Mechanical System Performance path and metric is explained through additions to Section 6 as well as a new Appendix J.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: August 16, 2021

ATIS (Alliance for Telecommunications Industry Solutions)

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

New Standard

BSR/ATIS 0600038-202x, Intrusion Protection for Outside Plant (OSP) Enclosures (new standard)
This standard establishes criteria and test requirements for equipment enclosures and assemblies used in communications network equipment outside plant environments to provide protection from intrusion of dust, water, impact, and insects.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

ATIS (Alliance for Telecommunications Industry Solutions)

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

New Standard

BSR/ATIS 0600041-202x, Security Requirements for Telecommunications Equipment Structures (new standard)
This standard covers the minimum criteria for securing and managing access to telecommunications equipment structures installed and utilized by service providers and others in outside plant (OSP) and indoor environments. These equipment structures include cabinet enclosures, huts, poles, pedestals, CEVs, etc.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

BIFMA (Business and Institutional Furniture Manufacturers Association)

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

Reaffirmation

BSR/BIFMA X5.6-2016 (R202x), Panel Systems (reaffirmation of ANSI/BIFMA X5.6-2016)
This standard is intended to provide a common basis for evaluating the safety, durability, and structural performance of panel systems products, such as panels, screens, panel-supported systems, access doors, and various hang-on components used in conjunction with panel systems products.
Single copy price: Free
Obtain an electronic copy from: dpanning@bifma.org
Send comments (copy psa@ansi.org) to: dpanning@bifma.org

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | e: vlancaster@cta.tech, w: www.cta.tech

Revision

BSR/CTA 2084-A-202x, Test Methods for Determining A/V Products Energy Efficiency (revision and redesignation of CTA 2084)
CTA 2084 defines methods for measuring Audio Video (A/V) products' energy efficiency and related items. This document is being modified to add in aspects related to standalone amplifiers.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Order from: Veronica Lancaster; vlancaster@cta.tech
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 16, 2021

EOS/ESD (ESD Association, Inc.)

7900 Turin Road, Building 3, Rome, NY 13440 | e: cearl@esda.org, w: www.esda.org

Revision

BSR/ESD S20.20-202x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies, and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2014)
This document applies to organizations that manufacture, process, assemble, install, package, label, service, test, inspect, transport, or otherwise handle electrical or electronic parts, assemblies, and equipment susceptible to damage by electrostatic discharges greater than or equal to 100 volts human body model (HBM) and 200 volts charged device model (CDM). Also, protection from isolated conductors is handled by limiting the voltage on isolated conductors to less than 35 volts. Processes that include items susceptible to lower withstand voltages may require additional control elements or adjusted limits. Processes designed to handle items with a lower ESD withstand voltage can still claim compliance to this standard. This document does not apply to electrically initiated explosive devices, flammable liquids, or powders.
NOTE: The CDM voltage level used in this document is based on industry experience when managing process essential insulators to mitigate induced voltages on devices that could lead to damage.
Single copy price: $145.00 (List)/$115.00 (EOS/ESD Members) [Hard Cover]; $135.00 (List)/$105.00 (EOS/ESD Members) [Soft Cover]
Obtain an electronic copy from: cearl@esda.org
Order from: www.esda.org
Send comments (copy psa@ansi.org) to: Christina Earl, cearl@esda.org

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | e: fci@fluidcontrolsinstitute.org, w: www.fluidcontrolsinstitute.org

Revision

BSR/FCI 69-1-202x, Pressure Rating Standard for Steam Traps (revision of ANSI/FCI 69-1-2017)
The standard provides the minimum requirements for the design, fabrication, pressure rating, and marking of pressure-containing housings for steam traps.
Single copy price: Free
Obtain an electronic copy from: fci@fluidcontrolsinsitute.org
Send comments (copy psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA S-84-608-2017 (R202x), ICEA Standard for Telecommunications Cable - Filled, Polyolefln-insulated, Copper Conductor - Technical Requirements (reaffirmation of ANSI/ICEA S-84-608-2017)
This Standard covers mechanical and electrical requirements for filled, polyolefin-insulated, copper conductor telecommunications cable. It provides alternative choices for type of insulation, type of filling compound, core lay-ups, color code, sheath design (shielding materials, single or double jackets, and jacket thicknesses), and screened or non-screened core.
Single copy price: $110.00
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

Comment Deadline: August 16, 2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA S-85-625-2016 (R202x), Telecommunications Cable - Aircore, Polyolefin-Insulated, Copper Conductor - Technical Requirements (reaffirmation of ANSI/ICEA S-85-625-2016)
This Standard covers mechanical and electrical requirements for aircore, polyolefin-insulated, copper conductor telecommunications cable. It provides alternative choices for type of insulation, core assembly, color code, sheath design (shielding materials, single or double jackets, and jacket thickness), and screened or non-screened core.
Single copy price: $167.00
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

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i118r1), 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 ANSI/NSF Standards or Criteria shall conform to the applicable requirements therein. 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.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/59476/42i118r1%20et%20al%20-%20Sec%204%20Daily%20Sample%20Volume%20-%20JC%20Memo%20%26%20Ballot.pdf
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NSF (NSF International)

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

Revision

BSR/NSF 44-202x (i48r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)
The manual, auto-initiated, and demand-initiated regeneration (DIR) residential cation exchange water softeners addressed by this Standard are designed 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 reduce hardness affecting the aesthetic quality of water. The established health hazards, barium and radium, are optional performance claims addressed by this Standard. Systems with manufacturer claims that include components or functions covered under other NSF or ANSI/NSF Standards or Criteria shall conform to the applicable requirements therein. 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.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/59476/42i118r1%20et%20al%20-%20Sec%204%20Daily%20Sample%20Volume%20-%20JC%20Memo%20%26%20Ballot.pdf
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Comment Deadline: August 16, 2021

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i137r1), 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
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NSF (NSF International)

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Revision

BSR/NSF 58-202x (i95r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse-osmosis drinking-water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.
Single copy price: Free
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NSF (NSF International)

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Revision

BSR/NSF 62-202x (i42r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2020)
This standard establishes minimum materials, design and construction, and performance requirements for point-of-use and point-of-entry drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies. Systems covered under this standard may also be designed to reduce microbiological contaminants, including bacteria, viruses, and cysts, from potable drinking-water supplies. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.
Single copy price: Free
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Comment Deadline: August 16, 2021

NSF (NSF International)

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Revision

BSR/NSF 244-202x (i17r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244 -2020)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This Standard establishes requirements for POU and POE drinking water treatment systems, and the materials and components used in these systems.
Single copy price: Free
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NSF (NSF International)

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Revision

BSR/NSF 401-202x (i24r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2020)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific emerging compounds/incidental contaminants in public or private water supplies, such as pharmaceutical, personal care products, and endocrine-disrupting compounds. 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
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Send comments (copy psa@ansi.org) to: mleslie@nsf.org

OPEI (Outdoor Power Equipment Institute)

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

New Standard

BSR/OPEI B175.5-202X, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Edger - Safety and Environmental Requirements (new standard)
The purpose of the proposed new standard is to establish safety and environmental requirements for internal combustion engine-powered, hand-held edgers. The proposed new standard covers internal combustion engine-powered, hand-held edgers having at least one ground-support and a rigid cutting blade that has a blade-tip circle of not more than 254 mm (10 in) and hand-held multi-purpose units when configured as an edger.
Single copy price: Free
Obtain an electronic copy from: gknott@opei.org
Order from: Greg Knott; gknott@opei.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 16, 2021

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 | e: standards@tappi.org, w: www.tappi.org

New Standard

BSR/TAPPI T 465 sp-202x, Static creasing of paper for water vapor transmission tests (new standard)
This standard practice is used for the creasing of paper and other thin sheet materials to provide reproducibly creased specimens for testing water vapor transmission. It is not applicable to paperboard. This is a standard practice for static creasing; for kinetic creasing, see TAPPI T 512, Creasing of Flexible Packaging Material Paper Specimens for Testing. This procedure can be used with water vapor transmission tests, e.g., TAPPI T 448. Water vapor transmission rate of sheet materials at standard temperature and humidity; TAPPI T 464, Gravimetric determination of water vapor transmission rate of sheet materials at high temperature and humidity; and TAPPI T 523, Dynamic measurement of water vapor transfer through sheet materials.
Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
Send comments (copy psa@ansi.org) to: William Millians, standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 | e: standards@tappi.org, w: www.tappi.org

Revision

BSR/TAPPI T 425 om-202x, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (revision of ANSI/TAPPI T 425 om-2011)
Opacity is a fundamental optical property of paper as a whole, yet the measurement of opacity is determined by a ratio of reflectance measurements. The opacity of the sheet is influenced by the thickness, the amount and kind of filler, the degree of bleaching of the fibers, coating, and the like. The utility of bond, writing, and book papers is enhanced by a high opacity. The essential principle of this method for determining the opacity of paper is as follows: The reflectance of paper when combined with a white backing is higher than that of paper when combined with a black backing because, in the former case, light transmitted through the imperfectly opaque sheet is largely reflected by the white backing, and a portion of the light is transmitted through the paper a second time, thus increasing the total reflection. Two types of “white” backing are used, leading to two measures of opacity. ...
Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
Send comments (copy psa@ansi.org) to: William Millians, standards@tappi.org

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 862-C-202x, Structured Cabling Infrastructure Standard for Intelligent Building Systems (revision and redesignation of ANSI/TIA 862-B-2016)
This Standard specifies requirements for intelligent building system cabling infrastructure including cabling topology, architecture, design and installation practices, test procedures, and components. The cabling infrastructure specified by this Standard is intended to support a wide range of systems, particularly those that utilize or can utilize IP-based infrastructure. This revision will include the contents of Addendum 1 to ANSI/TIA-862-B; modifications needed due to the recent revision of ANSI/TIA-568.0; and the inclusion of single-pair cabling as specified in ANSI/TIA-568.5.
Single copy price: $60.00
Obtain an electronic copy from: TIA; standards-process@tiaonline.org
Order from: TIA; standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

Comment Deadline: August 16, 2021

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 2231-1-2016 (R202x), Standard For Safety For Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements (reaffirmation of ANSI/UL 2231-1-2016)
These requirements cover devices and systems intended for use in accordance with Annex A, Ref. No. 1, to reduce the risk of electric shock to the user from accessible parts, in grounded or isolated circuits for charging electric vehicles. These circuits are external to or on board the vehicle.
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 | e: Julio.Morales@UL.org, w: https://ul.org/

Reaffirmation

BSR/UL 60950-21-2007 (R202x), Standard for Safety for Information Technology Equipment - Safety - Part 21: Remote Power Feeding (reaffirmation of ANSI/UL 60950-21-2007 (R2016))
This proposal for UL 60950-21 covers the reaffirmation and continuance of the first edition of the Standard for Safety for Information Technology Equipment - Safety - Part 21: Remote Power Feeding, UL 60950-21, 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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: kelly.smoke@ul.org, w: https://ul.org/

Revision

BSR/UL 558-202x, Standard for Safety for Industrial Trucks, Internal Combustion Engine (revision of ANSI/UL 558-2020)
(1) Proposed revisions to include the requirements for Diesel Exhaust Fluid (DEF) constructions used in industrial trucks.
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 | e: Vickie.T.Hinton@ul.org, w: https://ul.org/

Revision

BSR/UL 674-202x, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (revision of ANSI/UL 674-2020)
This proposal for UL 674 covers the following: (1) Revisions for the use of electronic medium for required documentation; (2) Revisions to include +60°C and -60°C explosion testing with test factors using precompression explosion testing equipment; (3) Revisions to remove errors and omissions; and (4) Revisions to replace the oxygen-bomb aging test with the air-oven aging test.
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: August 16, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Julio.Morales@UL.org, w: https://ul.org/

Revision

BSR/UL 60950-23-202x, Standard for Safety for Information Technology Equipment - Safety - Part 23: Large Data Storage Equipment (revision of ANSI/UL 60950-23-2007 (R2016))
This proposal for UL 60950-23 covers the reaffirmation and continuance of the first edition of the Standard for Safety for Information Technology Equipment - Safety - Part 23: Large Data Storage Equipment, UL 60950-23, as an American National 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

VITA (VMEbus International Trade Association (VITA))

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

Reaffirmation

BSR/VITA 66.0-2016 (R202x), Optical Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 66.0-2016)
This standard defines a family of blind-mate fiber-optic interconnects for use with VPX backplanes and plug-in modules.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: August 31, 2021

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

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

New Standard

INCITS 546-202x, Information technology - SCSI Architecture Model - 6 (SAM-6) (new standard)
SCSI Architecture Model - 6 will be based on the SCSI Architecture Model - 5 standard, which defines an abstract-layered model specifying those common characteristics of a SCSI domain that is exhibited by all SCSI transport protocols, SCSI command sets, and implementations to ensure compatibility with device drivers and applications regardless of underlying interconnect technology. SAM-6 will maintain a high degree of compatibility with the present SAM-5 standard, which is nearing completion of its development cycle.
Single copy price: Free
Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=131367&wg_abbrev=eb
Order from: https://standards.incits.org/apps/group_public/document.php?document_id=131367&wg_abbrev=eb
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: August 31, 2021

LES (Licensing Executives Society (U.S. and Canada))

11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191 | e: alexandra.l.rehmeier@boeing.com, w: www.les.org

New Standard

BSR/LES ICBR Version 1.0-201x, Intellectual Capital in the Boardroom (new standard)
Developed by the LES Standards Development Organization, the "Intellectual Capital in the Boardroom" Standard establishes a process for organizations to follow by which IC, beyond the accounting recognition of Intangible Assets as a subset of Intellectual Assets (IA), can be identified, qualified, reconciled with respect to their commercial, legal, and accounting treatment and subsequently reported on within an organization. These IA are subsequently reported on using an Intellectual Asset Ledger. The Standard's purpose is not for alignment with any external compliance body, but rather, a manner by which an organization can benefit from implementing this practice to assess the importance of IA as a component of the IC of its organizational value.
Single copy price: Free
Obtain an electronic copy from: https://www.lesusacanada.org/page/Standards
Order from: https://www.lesusacanada.org/page/Standards
Send comments (copy psa@ansi.org) to: Standards@LES.org. Submit comments in PDF or word format.

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: annemarie.jacobs@ul.org, w: https://ul.org/

National Adoption

BSR/UL 60335-2-69-202x, Standard for Safety for Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use (national adoption with modifications of IEC 60335-2-69)
This International Standard deals with the safety of electrical motor-operated vacuum cleaners, including backpack vacuum cleaners, and dust extractors, for wet suction, dry suction, or wet and dry suction, intended for commercial indoor or outdoor use with or without attachments. They may be provided with a blowing or inflating function. It also deals with the safety of centrally sited vacuum cleaners, excluding the installation of the system. They are not equipped with a traction drive, and mains and battery-powered systems are covered. This standard also applies to machines handling hazardous dust, such as asbestos.
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: August 31, 2021

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 4402-202x, Standard for Safety for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard)
This Standard provides minimum indoor air quality (IAQ) requirements and guidelines for a building or portions of a building utilized for cannabis cultivation, post-harvest processing and as well as ancillary spaces. NOTE: For the purposes of this Standard, ancillary spaces include areas that support the general operations required to run a cannabis facility. Examples include but are not limited to: Corridors, HVAC/Mechanical Rooms, and Electrical Rooms. This Standard recognizes the issues surrounding lead paint and asbestos in the built environment. Due to differing legal restrictions and licensure requirements, these materials are beyond the scope of this standard. It is the responsibility of the building owner and/or operator to assure compliance with all regulations applicable within the jurisdiction. This Standard does not address: fumigation and insecticidal fogging, ozone-generating air-cleaning devices, ultraviolet germicidal irradiation (UVGI) exposure from air-cleaning devices, nor exposure limits for hydrofluoroalkane (HFA-134a). This Standard does not address cannabis-related biogenic volatile organic compounds (BVOCs). These BVOCs include thiols as part of their natural biological cycles. The prominent VOCs emitted by cannabis are known as terpenes with main constituents as isoprene, monoterpenes, and sesquiterpenes. These terpenes are odorants with extremely low odor thresholds. At the time of this publication, the STP is not aware of any evidence that suggests health hazards are related to cannabis BVOC emissions at the typically observed concentrations.
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 | e: griff.edwards@ul.org, w: https://ul.org/

Revision

BSR/UL 162-202x, Standard for Foam Equipment and Liquid Concentrates (revision of ANSI/UL 162-2018)
(1) Proposal for SFFF addition.
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

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.

ANS (American Nuclear Society)

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

* ***Reaffirmation***

ANSI/ANS 2.17-2010 (R2021), Evaluation of Subsurface Radionuclide Transport at Commercial Nuclear Power Plants (reaffirmation of ANSI/ANS 2.17-2010 (R2016)) Final Action Date: 6/28/2021

ASSP (Safety) (American Society of Safety Professionals)

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

New Standard

ANSI/ASSP Z459.1-2021, Safety Requirements for Rope Access Systems (new standard) Final Action Date: 6/24/2021

ESTA (Entertainment Services and Technology Association)

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

Reaffirmation

ANSI E1.37-2-2015 (R2021), Additional Message Sets for ANSI E1.20 (RDM) - Part 2, IPv4 & DNS Configuration Messages (reaffirmation of ANSI E1.37-2-2015) Final Action Date: 6/24/2021

NSF (NSF International)

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

Revision

ANSI/NSF 358-3-2021 (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016) Final Action Date: 6/27/2021

UL (Underwriters Laboratories)

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

Revision

ANSI/UL 33-2021, Standard for Heat Responsive Links for Fire-Protection Service (revision of ANSI/UL 33-2010 (R2020)) Final Action Date: 6/21/2021

Revision

ANSI/UL 746A-2021a, Standard for Safety for Polymeric Materials - Short-Term Property Evaluations (revision of ANSI/UL 746A-2021) Final Action Date: 6/28/2021

Revision

ANSI/UL 817-2021, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2018) Final Action Date: 6/23/2021

Revision

ANSI/UL 845-2021, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2018) Final Action Date: 6/28/2021

Revision

ANSI/UL 1441-2021, Standard for Coated Electrical Sleeving (revision of ANSI/UL 1441-2005 (R2018)) Final Action Date: 6/21/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 | e: Doreen.Stocker@ul.org, w:

Revision

ANSI/UL 1727-2021, Standard for Safety for Commercial Electric Personal Grooming Appliances (revision of ANSI/UL 1727-2020) Final Action Date: 6/24/2021

Call for Members (ANS Consensus Bodies)

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

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | e: standards@acousticalsociety.org, w: www.acousticalsociety.org
Nancy Blair-DeLeon; standards@acousticalsociety.org

BSR/ASA S12.55-202x/Amd.1-202x/ISO 3745-202x/Amd 1-202x, 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)

BSR/ASA S12.79-202x/ISO 26101-202x, Acoustics - Test methods for the qualification of free-field environments (identical national adoption of ISO 26101:2017)

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | e: ansibox@asme.org, w: www.asme.org
Maria Acevedo; ansibox@asme.org

BSR/ASME PTC 50-202x, Performance Test Code for Fuel Cell Power Systems Performance (revision of ANSI/ASME PTC 50-2002 (R2019))

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | e: dgreco@atis.org, w: www.atis.org
Drew Greco; dgreco@atis.org

BSR/ATIS 0600038-202x, Intrusion Protection for Outside Plant (OSP) Enclosures (new standard)

BSR/ATIS 0600041-202x, Security Requirements for Telecommunications Equipment Structures (new standard)

AWS (American Welding Society)

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

BSR/AWS A5.10/A5.10M-202x (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273:2015 with modifications and revision of ANSI/AWS A5.10/A5.10M:2021 (ISO 18273:2015 MOD))

BSR/AWS A5.12M/A5.12-202X (ISO 6848-2015 MOD), Specification for Tungsten and Oxide Dispersed Tungsten Electrodes for Arc Welding and Cutting (new standard)

BSR/AWS A5.9/A5.9M-202X (ISO 14343-2017 MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M:2017 (ISO 14343:2009 MOD))

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | e: vlancaster@cta.tech, w: www.cta.tech
Veronica Lancaster; vlancaster@cta.tech

BSR/CTA 2084-A-202x, Test Methods for Determining A/V Products Energy Efficiency (revision and redesignation of CTA 2084)

EOS/ESD (ESD Association, Inc.)

7900 Turin Road, Building 3, Rome, NY 13440 | e: cearl@esda.org, w: www.esda.org
Christina Earl; cearl@esda.org

BSR/ESD S20.20-202x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies, and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2014)

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | e: fci@fluidcontrolsinstitute.org, w: www.fluidcontrolsinstitute.org
Leslie Schraff; fci@fluidcontrolsinstitute.org

BSR/FCI 69-1-202x, Pressure Rating Standard for Steam Traps (revision of ANSI/FCI 69-1-2017)

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | e: esuarez@pumps.org, w: www.pumps.org
Edgar Suarez; esuarez@pumps.org

BSR/HI 9.6.1-202x, HI 9.6.1 Rotodynamic Pumps Guideline for NPSH Margin (revision of ANSI/HI 9.6.1 -2017)

BSR/HI 9.6.3-202x, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3 -2017)

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

700 K Street NW, Suite 600, Washington, DC 20001 | e: comments@standards.incits.org, w: www.incits.org
Barbara Bennett; comments@standards.incits.org

INCITS 546-202x, Information technology - SCSI Architecture Model - 6 (SAM-6) (new standard)

LES (Licensing Executives Society (U.S. and Canada))

11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191 | e: alexandra.l.rehmeier@boeing.com, w: www.les.org
Alexandra Rehmeier; alexandra.l.rehmeier@boeing.com

BSR/LES ICBR Version 1.0-201x, Intellectual Capital in the Boardroom (new standard)

Seeking Consensus Standard Partnership (CSP) Members. Please see the Licensing Executive Society Standards Developing Organization website page for more information on the CSP membership.

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org
Jason Snider; jsnider@nsf.org

BSR/NSF 14-202x (i113r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

BSR/NSF 42-202x (i116r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42 -202x (i116r1))

BSR/NSF 42-202x (i118r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42 -2020)

BSR/NSF 44-202x (i48r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)

BSR/NSF 53-202x (i135r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53 -2020)

NSF (NSF International)

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

BSR/NSF 53-202x (i137r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53 -2020)

BSR/NSF 58-202x (i95r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58 -2020)

BSR/NSF 62-202x (i42r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2020)

BSR/NSF 244-202x (i17r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2020)

BSR/NSF 401-202x (i24r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2020)

BSR/NSF 455-2-202x (i22r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)

BSR/NSF 455-3-202x (i29r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3 -2019)

BSR/NSF 455-4-202x (i36r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | e: standards@tappi.org, w: www.tappi.org
Brittaney Lovett; standards@tappi.org

BSR/TAPPI T 252 om-202x, pH and Electrical Conductivity of Hot Water Extracts of Pulp, Paper, and Paperboard (revision of ANSI/TAPPI T 252 om-2012)

BSR/TAPPI T 489 om-202x, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2015)

TIA (Telecommunications Industry Association)

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

BSR/TIA 862-C-202x, Structured Cabling Infrastructure Standard for Intelligent Building Systems (revision and redesignation of ANSI/TIA 862-B-2016)

BSR/TIA 942-C-202x, Telecommunications Infrastructure Standard for Data Centers (revision and redesignation of ANSI/TIA 942-B-2017)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | e: jing.kwok@vita.com, w: www.vita.com
Jing Kwok; jing.kwok@vita.com

BSR/VITA 66.0-2016 (R202x), Optical Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 66.0-2016)

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

Rescind ANS Approval

BIFMA - Business and Institutional Furniture Manufacturers Association

BIFMA X5.41-2021

At the request of the ANSI-Accredited Standards Developer BIFMA, the May 24, 2021 approval of BIFMA X5.41-2021, Large Occupant Public and Lounge Seating as an American National Standard has been rescinded while a limited revision is announced for public comment in the CFC section of this issue of Standards Action. Please direct questions to: David Panning; dpanning@bifma.org

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

AAMI (Association for the Advancement of Medical Instrumentation)

Comment Deadline: August 2, 2021

The **AAMI - Association for the Advancement of Medical Instrumentation**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on AAMI-sponsored American National Standards, under which it was last reaccredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ladan Bulookbashi, Sr. Director, Standards, Association for the Advancement of Medical Instrumentation (AAMI) - 901 N. Glebe Road, Suite 300, Arlington, VA 22203; (703) 253-8274; LBulookbashi@aami.org

Click here to view/download a copy of the revisions during the public review period

Please submit any public comments on the revised procedures to AAMI by **August 2, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Public Review of Revised ASD Operating Procedures

APCO - Association of Public-Safety Communications Officials-International

Comment Deadline: August 2, 2021

The **APCO - Association of Public-Safety Communications Officials-International**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on APCO-sponsored American National Standards, under which it was last reaccredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Jay English, Chief Technology Officer, Association of Public-Safety Communications Officials-International (APCO) - 351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 (571) 208-8188 Englishj@apcointl.org

Click here to view/download a copy of the revisions during the public review period

Please submit any public comments on the revised procedures to APCO by **August 2, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

American National Standards (ANS) Process

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

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

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

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

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/DIS 16577, Molecular biomarker analysis - Vocabulary for molecular biomarker analytical methods in agriculture and food production - 9/9/2021, $125.00

AIR QUALITY (TC 146)

ISO/DIS 13137, Workplace atmospheres - Pumps for personal sampling of chemical and biological agents - Requirements and test methods - 11/7/2020, $93.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO 10993-18/DAmd1, Biological evaluation of medical devices - Part 18: Chemical characterization of medical device materials within a risk management process - Amendment 1: Determination of the uncertainty factor - 9/9/2021, $33.00

BUILDING CONSTRUCTION (TC 59)

ISO/FDIS 21265, Building and civil engineering sealants - Assessment of the fungal growth on sealant surfaces - 11/3/2011, $53.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 4669, Document management - Information classification, marking and handling - 9/9/2021, $107.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

ISO/DIS 9735-10, Electronic data interchange for administration, commerce and transport (EDIFACT) - Application level syntax rules (Syntax version number: 4, Syntax release number: 2) - Part 10: Syntax service directories - 9/12/2021, $146.00

FINE BUBBLE TECHNOLOGY (TC 281)

ISO/FDIS 20480-3, Fine bubble technology - General principles for usage and measurement of fine bubbles - Part 3: Methods for generating fine bubbles - 11/13/2020, $77.00

FOUNDRY MACHINERY (TC 306)

ISO/DIS 23472-5, Foundry machinery - Vocabulary - Part 5: Cupola furnaces and pouring devices and ladles - 9/11/2021, $67.00

GEOTECHNICS (TC 182)

ISO/FDIS 22475-1.2, Geotechnical investigation and testing - Sampling methods and groundwater measurements - Part 1: Technical principles for the sampling of soil, rock and groundwater - 11/8/2021, $58.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/FDIS 12642-3, Graphic technology - Input data for characterization of 4-colour process printing - Part 3: Extended data set - 11/10/2010, $112.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 7967-11, Reciprocating internal combustion engines - Vocabulary of components and systems - Part 11: Fuel systems - 9/9/2021, $82.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 23936-1, Petroleum, petrochemical and natural gas industries - Non-metallic materials in contact with media related to oil and gas production - Part 1: Thermoplastics - 11/7/2022, $119.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16976-1, Respiratory protective devices - Human factors - Part 1: Metabolic rates and respiratory flow rates - 9/12/2021, $77.00

ISO/DIS 16976-2, Respiratory protective devices - Human factors - Part 2: Anthropometrics - 9/12/2021, $88.00

ISO/DIS 16976-3, Respiratory protective devices - Human factors - Part 3: Physiological responses and limitations of oxygen and limitations of carbon dioxide in the breathing environment - 9/12/2021, $88.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 4437-5, Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system - 9/5/2021, $58.00

PROJECT, PROGRAMME AND PORTFOLIO MANAGEMENT (TC 258)

ISO/DIS 21503, Project, programme and portfolio management - Guidance on programme management - 11/8/2023, $71.00

ISO/DIS 21504, Project, programme and portfolio management - Guidance on portfolio management - 11/8/2023, $71.00

RAILWAY APPLICATIONS (TC 269)

ISO/FDIS 22749-1, Railway applications - Suspension components - Part 1: Characteristics and test methods for elastomer-mechanical parts - 11/10/2020, $112.00

RISK MANAGEMENT (TC 262)

ISO/FDIS 31030, Travel risk management - Guidance for organizations - 11/12/2002, $119.00

ROAD VEHICLES (TC 22)

ISO/DIS 22139, Heavy commercial vehicles and buses - Test method for steering effort measurement when manoeuvring at low speed or with stationary vehicle - 9/16/2021, $82.00

ISO/DIS 24195, Road vehicles - Vocabulary for engineering of starting devices - 11/7/2022, $58.00

ROLLING BEARINGS (TC 4)

ISO/FDIS 20515, Rolling bearings - Radial bearings, retaining slots - Dimensions, geometrical product specifications (GPS) and tolerance values - 11/12/2001, $58.00

ISO/FDIS 12297-1, Rolling bearings - Cylindrical rollers - Part 1: Boundary dimensions, geometrical product specifications (GPS) and tolerance values for steel rollers - 11/10/2006, $58.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1817, Rubber, vulcanized or thermoplastic - Determination of the effect of liquids - 11/7/2021, $88.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/FDIS 23323, Ships and marine technology - Specification for software-based planned maintenance systems - 11/11/2027, $46.00

ISO/DIS 23668, Ships and marine technology - Marine environment protection - Continuous on-board pH monitoring method - 11/7/2022, $53.00

ISO/DIS 23678-2, Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear - Part 2: Service personnel initial training - 9/10/2021, $88.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37108, Sustainable cities and communities - Business districts - Guidance for practical local implementation of ISO 37101 - 9/12/2021, $134.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 704, Terminology work - Principles and methods - 11/7/2021, $155.00

TEXTILES (TC 38)

ISO/DIS 24040, Textiles - Determination of certain benzotriazole compounds - 9/9/2021, $58.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/DIS 24063, Recreational diving services - Requirements for rebreather diver training - No-decompression diving - 9/11/2021, $67.00

ISO/DIS 24642, Recreational diving services - Requirements for rebreather diver training - Decompression diving to 45 m - 9/11/2021, $77.00

TYRES, RIMS AND VALVES (TC 31)

ISO/FDIS 19447, Passenger car tyres - Method for measuring ice grip performance - Loaded new tyres - 11/9/2030, $82.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 17660, Welding - Welding of reinforcing steel - 9/16/2021, $107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 24714, Biometrics - Cross-Jurisdictional and Societal Aspects of Biometrics - General GuidanceGeneral guidance - 11/8/2023, $98.00

ISO/IEC FDIS 18013-5, Personal identification - ISO-compliant driving licence - Part 5: Mobile driving licence (mDL) application - 11/3/2004, $185.00

ISO/IEC DIS 29192-8, Information security - Lightweight cryptography - Part 8: Authenticated encryption - 9/12/2021, $71.00

IEC Standards

13/1843/CDV, IEC 62055-42 ED1: Electricity metering - Payment systems - Part 42: Transaction Reference Numbers (TRN), 09/17/2021

15/945/CD, IEC 60684-3-116 ED4: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose, 09/17/2021

18/1721/CDV, IEC 60092-304 ED4: Electrical installations in ships - Part 304: Equipment - Semiconductor convertors, 09/17/2021

18A/443/NP, PNW 18A-443 ED1: Electrical installations in ships - Part 3XX: Ethernet (category) cables, 07/23/2021

21A/766A/CD, IEC 61951-1/AMD1 ED4: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-Cadmium, 08/20/2021

22F/634/DTR, IEC TR 60919-3/AMD2 ED2: Amendment 2 - Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 3: Dynamic conditions, 08/20/2021

23H/492/NP, PNW TS 23H-492 ED1: Plugs socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 7: Vehicle adapter, 08/20/2021

33/660/FDIS, IEC 60143-2/AMD1 ED2: Amendment 1 - Series capacitors for power systems - Part 2: Protective equipment for series capacitor banks, 08/06/2021

38/653/CDV, IEC 61869-99: Instrument Transformers: Glossary, 09/17/2021

38/658/DC, Supporting Document for IEC 61869-99: Instrument Transformers - Glossary, 09/17/2021

38/660/CD, IEC/IEEE 63253-5713-8 ED1: Station Service Voltage Transformers (SSVT), 08/20/2021

38/661/DC, IEC 61869-2/ISH1 Ed.1.0 - Interpretation sheet 1: Test burden for accuracy tests (clause 5.6.201.3), 08/20/2021

44/917/NP, PNW TS 44-917 ED1: Safety of machinery - Security aspects related to functional safety of safety-related control systems, 09/17/2021

46A/1497/FDIS, IEC 61196-6-1 ED2: Coaxial communication cables - Part 6-1: Blank detail specification for CATV drop cables, 08/06/2021

46A/1498/FDIS, IEC 61196-6 ED2: Coaxial communication cables - Part 6: Sectional specification for CATV drop cables, 08/06/2021

46A/1499/FDIS, IEC 61196-7 ED2: Coaxial communication cables - Part 7: Sectional specification for cables for BCT cabling in accordance with ISO/IEC 11801-4 - Indoor drop cables for systems operating at 5 MHz - 6 000 MHz, 08/06/2021

46F/574/FDIS, IEC 61169-54 ED2: Radio frequency connectors - Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ohms, Series 4,3-10, 08/06/2021

47/2703/FDIS, IEC 63287-1 ED1: Semiconductor devices - Generic semiconductor qualification guidelines - Part 1: Guidelines for IC reliability qualification, 08/06/2021

47A/1123/CD, IEC 62228-6 ED1: Integrated circuit - EMC Evaluation of transceivers - Part 6: PSI5 transceivers, 08/20/2021

48B/2896/CD, IEC 63171-1 ED2: Connectors for electrical and electronic equipment - Part 1: Detail specification for two-way, shielded or unshielded, free and fixed connectors - Mechanical mating information, pin assignment and additional requirements for Type 1 copper LC style, 09/17/2021

49/1374/FDIS, IEC 60444-6 ED3: Measurement of quartz crystal unit parameters - Part 6: Measurement of drive level dependence (DLD), 08/06/2021

57/2384/CDV, IEC 62351-5 ED1: Power systems management and associated information exchange - Data and communications security - Part 5: Security for IEC 60870-5 and derivatives, 09/17/2021

57/2392/FDIS, IEC 61850-7-420 ED2: Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes, 08/06/2021

62D/1872/CD, IEC 60601-2-50/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment, 09/17/2021

62D/1873/CD, IEC 60601-2-21/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, 09/17/2021

62D/1874/CD, IEC 60601-2-20/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators, 09/17/2021

62D/1875/CD, IEC 60601-2-19/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators, 09/17/2021

62D/1876/CD, IEC 60601-2-35/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use, 09/17/2021

65E/792/NP, PNW 65E-792 ED1: Field device integration (FDI) - Part 102-2: Profiles - EtherNet/IP, 09/17/2021

65E/793/NP, PNW 65E-793 ED1: Field device integration (FDI) - Part 150-1: Profiles - OPC UA, 09/17/2021

69/778/CDV, IEC 61980-2 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure, 09/17/2021

69/779/CDV, IEC 61980-3 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 3: Specific requirements for the magnetic field wireless power transfer systems, 09/17/2021

85/790(F)/FDIS, IEC 61557-17 ED1: Electrical safety in low voltage distribution systems up to 1000V AC and 1500V DC - Equipment for testing;measuring and monitoring of protective measures - Part 17: Non-contact voltage indicators, 07/16/2021

86B/4485/CD, Fibre optic interconnecting devices and passive components - Performance standard - Part 081-03: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP - Outdoor protected environment, 08/20/2021

86B/4486/CD, Fibre optic interconnecting devices and passive components - Performance standard - Part 081-06: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP+ - Extended outdoor protected environment, 08/20/2021

86B/4487/CD, IEC 61754-36 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 36: Type SAC connector family, 08/20/2021

86C/1725(F)/FDIS, IEC 61757-2-1 ED1: Fibre Optic Sensors - Part 2-1: Temperature measurement - Temperature sensors based on fibre Bragg gratings, 07/16/2021

89/1536(F)/FDIS, IEC 60695-2-11 ED3: Fire hazard testing - Part 2 -11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT), 07/16/2021

89/1537(F)/FDIS, IEC 60695-2-12 ED3: Fire hazard testing - Part 2 -12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials, 07/16/2021

89/1538(F)/FDIS, IEC 60695-2-13 ED3: Fire hazard testing - Part 2 -13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials, 07/16/2021

89/1539(F)/FDIS, IEC 60695-5-1 ED3: Fire hazard testing - Part 5-1: Corrosion damage effects of fire effluent - General guidance, 07/16/2021

94/520/NP, PNW 94-520 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-42: Electromagnetic Compatibility, 08/20/2021

95/470/NP, PNW TS 95-470 ED1: Measuring relays and protection equipment - Part 216-3: Digital Interface - Requirements for protection data exchange interfaces, 08/20/2021

99/319/CD, IEC 60071-2 ED5: Insulation co-ordination - Part 2: Application guidelines (Proposed horizontal standard), 09/17/2021

100/3601(F)/FDIS, IEC 63087-1 ED1: Assistive listening devices and systems for active assisted living - Part 1: General, 07/16/2021

110/1336/CD, IEC 62977-3-9 ED1: Electronic displays - Part 3-9: Evaluation of optical performance - Measurements of display sparkle contrast, 08/20/2021

116/508/CDV, IEC 62841-4-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators, 09/17/2021

121B/139/CD, IEC 61439-3 ED2: Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO), 09/17/2021

SyCAAL/226/NP, PNW TS SYCAAL-226 ED1: (SRD) Reference standards portfolio (RSP) for AAL in Connected Home Environment, 09/17/2021

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

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 20291-1:2021, Air cargo - Restraint slings - Part 1: Design and testing, $149.00

ISO 20291-2:2021, Air cargo - Restraint slings - Part 2: Utilization requirements and recommendations and lashing calculations, $73.00

DOORS AND WINDOWS (TC 162)

ISO 22497:2021, Doors, windows and curtain walling - Curtain walling - Vocabulary, $48.00

ESSENTIAL OILS (TC 54)

ISO 9235:2021, Aromatic natural raw materials - Vocabulary, $48.00

FIRE SAFETY (TC 92)

ISO 21925-2:2021, Fire resistance tests - Fire dampers for air distribution systems - Part 2: Intumescent dampers, $200.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19111/Amd1:2021, Geographic information - Referencing by coordinates - Amendment 1, $20.00

PAINTS AND VARNISHES (TC 35)

ISO 8130-2:2021, Coating powders - Part 2: Determination of density by gas comparison pycnometer (referee method), $48.00

ISO 8130-3:2021, Coating powders - Part 3: Determination of density by liquid displacement pycnometer, $48.00

ISO 8130-5:2021, Coating powders - Part 5: Determination of flow properties of a powder/air mixture, $48.00

ISO 8130-6:2021, Coating powders - Part 6: Determination of gel time of thermosetting coating powders at a given temperature, $48.00

ISO 8130-8:2021, Coating powders - Part 8: Assessment of the storage stability of thermosetting powders, $48.00

ISO 8130-10:2021, Coating powders - Part 10: Determination of deposition efficiency, $48.00

PLASTICS (TC 61)

ISO 12017:2021, Plastics - Poly(methyl methacrylate) double- and triple-skin sheets - Test methods, $149.00

ISO 14852:2021, Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by analysis of evolved carbon dioxide, $149.00

ISO 17555:2021, Plastics - Film and sheeting - Biaxially oriented polypropylene (PP) films, $73.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 17885:2021, Plastics piping systems - Mechanical fittings for pressure piping systems - Specifications, $200.00

ROAD VEHICLES (TC 22)

ISO 12345:2021, Diesel engines - Cleanliness assessment of fuel injection equipment, $200.00

SOIL QUALITY (TC 190)

ISO 15192:2021, Soil and waste - Determination of Chromium(VI) in solid material by alkaline digestion and ion chromatography with spectrophotometric detection, $149.00

SOLID RECOVERED FUELS (TC 300)

ISO 21654:2021, Solid recovered fuels - Determination of calorific value, $225.00

THERMAL INSULATION (TC 163)

ISO 9869-2/Amd1:2021, Thermal insulation - Building elements - In-situ measurement of thermal resistance and thermal transmittance - Part 2: Infrared method for frame structure dwelling - Amendment 1: Example of calculation of uncertainty analysis, $20.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 20193/Amd1:2021, Tobacco and tobacco products - Determination of the width of the strands of cut tobacco - Amendment 1, $20.00

ISO 6488:2021, Tobacco and tobacco products - Determination of water content - Karl Fischer method, $73.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 5675:2021, Agricultural tractors and machinery - General purpose quick-action hydraulic couplers, $48.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 15638-24:2021, Intelligent transport systems - Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) - Part 24: Safety information provisioning, $149.00

VALVES (TC 153)

ISO 5752:2021, Metal valves for use in flanged pipe systems - Face-to-face and centre-to-face dimensions, $175.00

WATER QUALITY (TC 147)

ISO 10703:2021, Water quality - Gamma-ray emitting radionuclides - Test method using high resolution gamma-ray spectrometry, $175.00

WATER RE-USE (TC 282)

ISO 16075-5:2021, Guidelines for treated wastewater use for irrigation projects - Part 5: Treated wastewater disinfection and equivalent treatments, $200.00

ISO 20468-6:2021, Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 6: Ion exchange and electrodialysis, $200.00

ISO 20468-7:2021, Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 7: Advanced oxidation processes technology, $111.00

ISO Technical Reports

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/TR 10358:2021, Plastics pipes and fittings for industrial applications - Collection of data on combined chemical-resistance, $250.00

ROAD VEHICLES (TC 22)

ISO/TR 21934-1:2021, Road vehicles - Prospective safety performance assessment of pre-crash technology by virtual simulation - Part 1: State-of-the-art and general method overview, $200.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/TR 23173:2021, Surface chemical analysis - Electron spectroscopies - Measurement of the thickness and composition of nanoparticle coatings, $200.00

ISO Technical Specifications

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/TS 22115:2021, Animal and vegetable fats and oils - Separation of lipid classes by capillary gas chromatography (fingerprint method), $149.00

FLOOR COVERINGS (TC 219)

ISO/TS 21868:2021, Textile floor coverings - State of the art and guidance on maintenance and cleaning, $111.00

PAPER, BOARD AND PULPS (TC 6)

ISO/TS 19857:2021, Paper, board and printing inks - Printability - Laboratory test method for offset ink setting, $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18033-3/Amd1:2021, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers - Amendment 1: SM4, $20.00

ISO/IEC 9797-2:2021, Information security - Message authentication codes (MACs) - Part 2: Mechanisms using a dedicated hash-function, $225.00

ISO/IEC 30137-4:2021, Information technology - Use of biometrics in video surveillance systems - Part 4: Ground truth and video annotation procedure, $111.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC 63249-1 Ed. 1.0 b:2021, Waveguide to coaxial adapters - Part 1: Generic specification - General requirements and test methods, $221.00

ELECTRIC WELDING (TC 26)

IEC 60974-1 Ed. 6.0 b:2021, Arc welding equipment - Part 1: Welding power sources, $430.00

S+ IEC 60974-1 Ed. 6.0 en:2021 (Redline version), Arc welding equipment - Part 1: Welding power sources, $559.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 63044-4 Ed. 1.0 b:2021, Home and building electronic systems (HBES) and building automation and control systems (BACS) - Part 4: General functional safety requirements for products intended to be integrated in HBES and BACS, $259.00

IEC 63044-6 Ed. 1.0 b:2021, Home and building electronic systems (HBES) and building automation and control systems (BACS) - Part 6: Requirements for planning and installation, $259.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

IEC 61076-2-011 Ed. 1.0 b:2021, Connectors for electrical and electronic equipment - Product requirements - Part 2-011: Circular connectors - Detail specification for B12 bayonet coupling connectors based on mating interfaces according to IEC 61076-2 -101 and IEC 61076-2-109, $89.00

FIBRE OPTICS (TC 86)

IEC 60794-1-31 Ed. 2.0 b:2021, Optical fibre cables - Part 1-31: Generic specification - Optical cable elements - Optical fibre ribbon, $89.00

S+ IEC 60794-1-31 Ed. 2.0 en:2021 (Redline version), Optical fibre cables - Part 1-31: Generic specification - Optical cable elements - Optical fibre ribbon, $115.00

FIRE HAZARD TESTING (TC 89)

IEC 60695-4 Ed. 5.0 b:2021, Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products, $25.00

S+ IEC 60695-4 Ed. 5.0 en:2021 (Redline version), Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products, $33.00

HYDRAULIC TURBINES (TC 4)

IEC 60545 Ed. 2.0 b:2021, Guidelines for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps, $310.00

LASER EQUIPMENT (TC 76)

IEC 60825-2 Ed. 4.0 b cor.1:2021, Corrigendum 1 - Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCSs), $0.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 61097-2 Ed. 4.0 en:2021, Global maritime distress and safety system (GMDSS) - Part 2: Cospas-Sarsat EPIRB - Emergency position indicating radio beacon operating on 406 MHz - Operational and performance requirements, methods of testing and required test results, $392.00

NUCLEAR INSTRUMENTATION (TC 45)

IEC 63085 Ed. 1.0 b:2021, Radiation protection instrumentation - System of spectral identification of liquids in transparent and semitransparent containers (Raman systems), $183.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-79 Ed. 5.0 b:2021, Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners, $392.00

S+ IEC 60335-2-79 Ed. 5.0 en:2021 (Redline version), Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners, $510.00

SECONDARY CELLS AND BATTERIES (TC 21)

IEC 63056 Ed. 1.0 b cor.1:2021, Corrigendum 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems, $0.00

SEMICONDUCTOR DEVICES (TC 47)

IEC 60747-8 Amd.1 Ed. 3.0 en:2021, Amendment 1 - Semiconductor devices - Discrete devices - Part 8: Field-effect transistors, $51.00

IEC 60747-8 Ed. 3.1 en:2021, Semiconductor devices - Discrete devices - Part 8: Field-effect transistors, $569.00

IEC 62047-38 Ed. 1.0 en:2021, Semiconductor devices - Micro-electromechanical devices - Part 38: Test method for adhesion strength of metal powder paste in MEMS interconnection, $89.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 63112 Ed. 1.0 b:2021, Photovoltaic (PV) arrays - Earth fault protection equipment - Safety and safety-related functionality, $392.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

IEC 62878-2-602 Ed. 1.0 b:2021, Device embedding assembly technology - Part 2-602: Guideline for stacked electronic module - Evaluation method of inter-module electrical connectivity, $89.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

IEC 62271-213 Ed. 1.0 b:2021, High-voltage switchgear and controlgear - Part 213: Voltage detecting and indicating system, $354.00

IEC 62271-215 Ed. 1.0 b:2021, High-voltage switchgear and controlgear - Part 215: Phase comparator used with VDIS, $310.00

TERMINOLOGY (TC 1)

IEC 60050-195 Ed. 2.0 b:2021, International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock, $392.00

TOOLS FOR LIVE WORKING (TC 78)

IEC 61318 Ed. 4.0 b:2021, Live working - Methods for assessment of defects and verification of performance applicable to tools, devices and equipment, $133.00

WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES (TC 124)

IEC 63203-101-1 Ed. 1.0 b:2021, Wearable electronic devices and technologies - Part 101-1: Terminology, $51.00

IEC Technical Reports

BARE ALUMINIUM CONDUCTORS (TC 7)

IEC/TR 61597 Ed. 2.0 en:2021, Overhead electrical conductors - Calculation methods for stranded bare conductors, $221.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

IEC/TR 63250 Ed. 1.0 en:2021, Household and similar electrical appliances - Method for measuring performance - Assessment of repeatability, reproducibility and uncertainty, $259.00

SHORT-CIRCUIT CURRENTS (TC 73)

IEC/TR 60909-4 Ed. 2.0 en:2021, Short-circuit currents in three-phase AC systems - Part 4: Examples for the calculation of short-circuit currents, $392.00

WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES (TC 124)

IEC/TR 63203-250-1 Ed. 1.0 en:2021, Wearable electronic devices and technologies - Part 250-1: Electronic textile - Snap fastener connectors between e-textiles and detachable electronic devices, $51.00

IEC Technical Specifications

ELECTRICAL ACCESSORIES (TC 23)

IEC/TS 63236-1 Ed. 1.0 en:2021, Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices - Part 1: 2,6 kW system, $392.00

IEC/TS 63236-2 Ed. 1.0 en:2021, Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices - Part 2: 5,2 kW system, $221.00

IEC/TS 63236-3 Ed. 1.0 en:2021, Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices - Part 3: AC/DC appliance inlet, $183.00

FIRE HAZARD TESTING (TC 89)

IEC/TS 60695-11-40 Ed. 2.0 en:2021, Fire hazard testing - Part 11-40: Test flames - Confirmatory tests - Guidance, $133.00

International Electrotechnical Commission (IEC)

U.S. Representatives Needed

Standardization Evaluation Group (SEG) 12: Bio-digital convergence

During the February 2021 SMB meeting, a comprehensive presentation on the topic of bio-digital convergence was provided and SMB recognized the importance of this research area for future IEC standardization activities. In order to investigate further the standardization potential of bio-digital convergence, SMB set up SEG 12 *Bio-digital convergence*.

As this SEG is an open group, each National Committee is able to submit an unlimited number of experts to participate. Individuals interested in serving as a US Representative on SEG 12 and a member on the corresponding USNC Virtual Technical Advisory Group (VTAG) are invited to contact **Ade Gladstein at agladstein@ansi.org** as soon as possible.

Please see the scope for SEG 12 below.

Scope:

: Investigate current research and technology activities, identify critical challenges, and propose a roadmap for standardization in the area of bio-digital convergence. Ensure close cooperation with and encourage participation from MSB.
: Engage with TC/SC/SyCs including JTC 1 and ISO, as well as with other market and policy relevant organizations, on existing standards and on the need for future standards related to biodigital convergence.
: Formulate recommendations to SMB as appropriate.

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Application of ISO 9001 in Policing Organizations

Comment Deadline: July 2, 2021

SCC, the ISO member body for Canada, has submitted to ISO a new work item proposal for the development of an ISO standard on ISO standard on Application of ISO 9001 in Policing Organizations, with the following scope statement:

This document provides guidelines for policing organizations on understanding and implementing a quality management system that meets the requirements of ISO 9001:2015 to ensure the achievement of society's confidence in the police entity, and support police entities to demonstrate their ability to consistently satisfy the needs of their customers (citizens).
This document covers all types of policing business and police services such as traffic, maintain order, etc.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, July 2, 2021.

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

FiRa

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 *bv* to
ANSI/ASHRAE Standard 135-2020

Public Review Draft

Proposed Addendum *bv* to Standard 135-2020, BACnet® - A Data Communication Protocol for Building Automation and Control Networks

Second Public Review (July 2021)
(Draft shows Proposed Changes to PPR1)

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

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

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[This foreword and the "rationales" on the following pages are not part of this standard. They are merely informative and do not contain requirements necessary for conformance to the standard.]

FOREWORD

The purpose of this addendum is to present a proposed change for public review. These modifications are the result of change proposals made pursuant to the ASHRAE continuous maintenance procedures and of deliberations within Standing Standard Project Committee 135. The proposed changes are summarized below.

135-2020*bv*-1. Add new property Write_Every_Scheduled_Action to the Schedule object, p. 3 (no change in this section)
135-2020*bv*-2. Fix XML namespace, p. 5 (no change in this section)
135-2020*bv*-3. Section Removed, p. 6

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135-2020 and Addenda is indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout. Only this new and deleted text is open to comment at this time. All other material in this document is provided for context only and is not open for public review comment except as it relates to the proposed changes.

The use of placeholders like X, Y, Z, X1, X2, N, NN, x, n, ?, etc., should not be interpreted as literal values of the final published version. These placeholders will be assigned actual numbers/letters only after final publication approval of the addendum.

135-2020*bv*-3. Section Removed

This section has been removed.

[Add a new entry to **History of Revisions**, p. 1410]

HISTORY OF REVISIONS

. . .	. . .	**. . .**
1	X	**Addendum *bv* to ANSI/ASHRAE Standard 135-2020** Approved by ASHRAE on MONTH DAY, 20XX; and by the American National Standards Institute on MONTH DAY, 20XX. 1. Add new property Write_Every_Scheduled_Action to the Schedule object 2. Fix XML namespace 3. Section Removed

BSR/ASHRAE Addendum *ca* to
ANSI/ASHRAE Standard 135-2020

Public Review Draft

Proposed Addendum *ca* to Standard 135-2020, BACnet® - A Data Communication Protocol for Building Automation and Control Networks

Third Public Review (July 2021)
(Draft shows Proposed Changes to PPR2)

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).

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[This foreword and the "rationales" on the following pages are not part of this standard. They are merely informative and do not contain requirements necessary for conformance to the standard.]

FOREWORD

The purpose of this addendum is to present a proposed change for public review. These modifications are the result of change proposals made pursuant to the ASHRAE continuous maintenance procedures and of deliberations within Standing Standard Project Committee 135. The proposed changes are summarized below.

135-2020*ca*-1. Introduce the Concept of Color for BACnet, p. 3 (no change in this section)
135-2020ca-2. Add new Color object type, p. 4 (no change in this section)
135-2020*ca*-3. Add new Color Temperature object type, p. 11 (no change in this section)
135-2020*ca*-4. Add color-reference properties to LO and BLO object types, p. 19 (no change in this section)
135-2020ca-5. Add high/low trim to LO object type, p.23 (no change in this section)
135-2020*ca*-6. Aggregated changes to Clause 21 and 25, p. 26 (no change in this section)
135-2020*ca*-7. BIBB Changes to Support Additional Object Types, p. 29

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135-2020 and Addenda is indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout. Only this new and deleted text is open to comment at this time. All other material in this document is provided for context only and is not open for public review comment except as it relates to the proposed changes.

The use of placeholders like X, Y, Z, X1, X2, N, NN, x, n, ?, etc., should not be interpreted as literal values of the final published version. These placeholders will be assigned actual numbers/letters only after final publication approval of the addendum.

135-2020*ca*-7. BIBB Changes to Support Additional Object Types

[Change K.1.16]

K.1.16 BIBB - Data Sharing-Advanced View-A (DS-AV-A)

…

Table K-3. Presentation Requirements by Datatype

…	….
BIT STRING	*Present the complete range of standard values defined for all standard bit string types for the Protocol_Revision claimed by the A device. (Note that in Protocol_Revision X, BACnetObjectTypesSupported exceeded the historical minimum display requirement of 64 bits.) For properties where the length of the bit string is not directly defined by the standard (such as the Present_Value of the BitString Value object), present bit strings up to a length of 64 bits.* ~~Present bit strings up to a length of 64 bits. Present the complete range of standard values defined for all standard bit string types for the Protocol_Revision claimed by the A device.~~ The actual presentation of the values is unrestricted (text, numeric, iconic, etc.) as long as the individual values are distinguishable.
…	….

…

[Add a new entry to **History of Revisions**, p. 1411]

HISTORY OF REVISIONS

. . .	. . .	**. . .**
1	X	Addendum ca to ANSI/ASHRAE Standard 135-2020 Approved by ASHRAE on MONTH DAY, 20XX; and by the American National Standards Institute on MONTH DAY, 20XX. 1. Add new Color object type. 2. Add new Color Temperature object type. 3. Add color-reference properties to LO and BLO object types. 4. Add high/low trim to LO object type. 5. BIBB Changes to Support Additional Object Types.

BSR/ASHRAE/ASHE Addendum a
to ANSI/ASHRAE/ASHE Standard 189.3-2021

Public Review Draft

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

First Public Review (July 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).

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

FOREWORD

This addendum addresses the issue presented by patients or residents being in beds, chairs, or required fixed positions that would make it difficult to look up or out to gain the view fenestration. Additionally, it adjusts the line of sign distance for the additional area generally utilized in assisted living facilities.

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

Addendum a to Standard 189.3-2021

Add new Section 8.3.9 as shown. The remainder of Section 8 is unchanged.

8. ENERGY EFFICIENCY

[…]

8.3.9 [JO] Exterior Views. Each of the *spaces* listed in Table 8.3.9, "Exterior View Spaces," shall meet the following requirements:

a. Not less than 50% of the total floor area of each patient room and resident room within hospitals and residential health, care, and support facilities shall have a direct line-of-sight, originating at a height of not more than 36 inches (0.9 m) above the finished floor, to *view fenestration*. The line-of-sight distance to *view fenestration* shall not exceed 20 ft (6.09 m) and the *view fenestration* shall not be less than 5% of the floor area.

b. Not less than 50% of the total floor area of each office and classroom shall have a direct line-of-sight, originating at a height of not more than 42 inches (1.1 m) above the finished floor, to *view fenestration*. The line-of-sight distance to *view fenestration* shall not exceed 40 ft (12.18 m) and the *view fenestration* shall not be less than 7% of the floor area.

Table 8.3.9 Exterior View Spaces

Classrooms
Enclosed Offices and Open Plan Offices
Patient and Resident Rooms within hospitals and residential health, care, and support facilities

Public Review Draft

Proposed Addendum f to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review Draft (July 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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Foreword

Invasive species are a leading contributor to the decline of biodiversity and the ecosystems upon which human life depends. Builders have an important role in reducing the spread of invasive species by avoiding their use as ornamental plants on properties selected for construction. The language presently in ASHRAE 189.1 regarding invasive plants is too stringent to be implemented and enforced. This proposal improves the practicality of the language. It also provides informative references to assist AHJs in identifying regional invasive plant lists or to develop one of their own. The requirements in this addendum will not increase project costs compared to the current provisions and may reduce costs due to the reduced requirements for removing all invasive plants on the site.

In recognition of invasive plants' harm to the environment, the risks that they cause to human health, and the expenditures of efforts to control them, States and localities increasingly are creating legislation and ordinances to reduce the sale or use of invasive plants that are commonly available in the marketplace. For example, Knox County, Indiana prohibits the sale and planting of more than 60 invasive plants, many of which are commonly available in the horticultural trade; Fauquier County, Virginia requires landowners whose property contains running bamboo to prevent it from spreading onto other properties and within 15 feet of a public road or right of way; and the State of Delaware recently passed a law prohibiting the sale or distribution of numerous invasive plants, including many commonly used in landscaping.

[Note to Reviewers: This addendum makes proposed changes to the language published in 189.1-2020. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum f to 189.1-2020

Revise Section 3.2 as follows:

b. invasive plants: ~~species of *plants* that are not native to the *building project site* and that cause or are likely to cause environmental harm. At a minimum, the list of invasive species for a *building project site* includes *plants* included in city, county, and regional lists and state and federal noxious weeds laws.~~

b. ***invasive plants:*** species of *plants* that are included on an *approved* list of non-*native plants* that cause or are likely to cause environmental harm and species of *plants* that are regulated by noxious weed laws.

landscaped areas: areas where the plant species selection and their specific location are by human design.

Revise 5.3.3.1 as follows:

5.3.3.1 Invasive Plants.

a. *Invasive plants* shall be removed from the *landscaped areas* of the ~~*site*~~ parcel of land and ~~destroyed or disposed of in a land fill~~ disposed in a manner that prevents the plant from dispersing seeds or reproducing.
b. *Invasive plants* shall not be planted ~~on the *site*~~.

Exception to 5.3.3.1: *Plants* used as *turfgrass* or planted for the purpose of harvesting for human consumption shall not be subject to 5.3.3.1.

Add an item d to Section 10.9.1:

d. Where *invasive plants* are identified when complying with Section 5.3.2, the plan for operation shall include the management of any *invasive plants* in non-*landscaped areas* or of a reinfestation in *landscaped areas*. The plan shall specify procedures for identifying and controlling the spread or reinfestation of *invasive plants*. Where applicable the plan shall specify plants to be planted to limit re-infestation by *invasive plants*. Any *plant* specifications shall be in accordance with 5.3.3.

Add to Informative Appendix G, Informative References:

Reference	Title	Section
Connecticut Invasive Plant Working Group, https://cipwg.uconn.edu/invasive_plant_list/	Invasive Plant List	3.2
Green Business Certification Inc. P.O. Box 822964, Philadelphia, PA 19182, 1-800-795-1746; www.sustainablesites.org		
Sustainable SITES Initiative	SITES v2 Rating System	3.2, 5.3.3.1, 10.9.1
Sustainable SITES Initiative	SITES v2 Reference Guide	3.2, 5.3.3.1, 10.9.1
Hawaii State Department of Land and Natural Resources, http://www.hear.org/hortweeds/	Hawaii's Most Invasive Horticultural Plants	3.2

Maine Department of Agriculture, Conservation and Forestry, 22 State House Station, 18 Elkins Lane, Augusta, ME 04333, (207) 287-3200, http://www.maine.gov/dacf/mnap/features/invasive_plants/invsheets.htm	Maine Invasive Plant Fact Sheets	3.2
National Association of Invasive Plant Councils, https://www.na-ipc.org/invasive-plant-lists/	Invasive Species Lists	3.2
Stop the Invasion, https://www.invasive.org/gist/products/outreach/gardensmart_oregon_reduced.pdf	GardenSmart Oregon: A Guide to Non-invasive Plants	3.2
United States Department Forest Service Alaska Region, https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsbdev2_037726.pdf	Selected Invasive Plants of Alaska	3.2
Washington, https://www.nwcb.wa.gov/images/weeds/botanical_bullies.pdf	Is Your Garden Harboring Botanical Bullies?	3.2

Public Review Draft

Proposed Addendum aq to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Third Public Review Draft (July 2021)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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BSR/ASHRAE/ICC/USGBC/IES Addendum aq to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft**.**

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

Foreword

Addendum aq clarifies and adds flexibility to the requirements for plant selection on greenfields. In this version, the terminology is revised to achieve consistency with Addendum d to ASHRAE 189.1-2020 and to reduce the stringency of the first option. It also removes the vegetated roof system limitation for the second option to increase flexibility, particularly for projects in urban settings.

[Note to Reviewers: This addendum makes proposed changes to the language published in 189.1-2020. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum aq to 189.1-2020

Revise Section 5.3.3 as follows:

5.3.3. Plants

5.3.3.2 Greenfields ~~Sites~~

Building projects on ~~*Greenfields*~~ *greenfields* shall comply with one of the following:

1. Existing *native* plants shall be retained on ~~an area of~~ not less than 10% of the area of the ~~*building project* included in the scope of the construction permit~~ parcel of land.
2. Not less than 20% of the area of the parcel of land ~~of the *building project* included in the scope of the construction permit~~ shall be dedicated to *biodiverse plantings* of *native plants*~~. The area of vegetated roof systems, vegetated terrace systems and planters shall be not greater than 50% of the area of the required *biodiverse plantings*~~.
3. Not less than 30% of the area of the parcel of land ~~of the *building project* included in the scope of the construction permit~~ shall be dedicated to *biodiverse plantings* other than *turfgrass* and such plantings shall contribute to the local food web as determined by a *registered design professional*. The area of vegetated roof systems, vegetated terrace systems and planters shall be not greater than 50% of the area of the required *biodiverse plantings.*

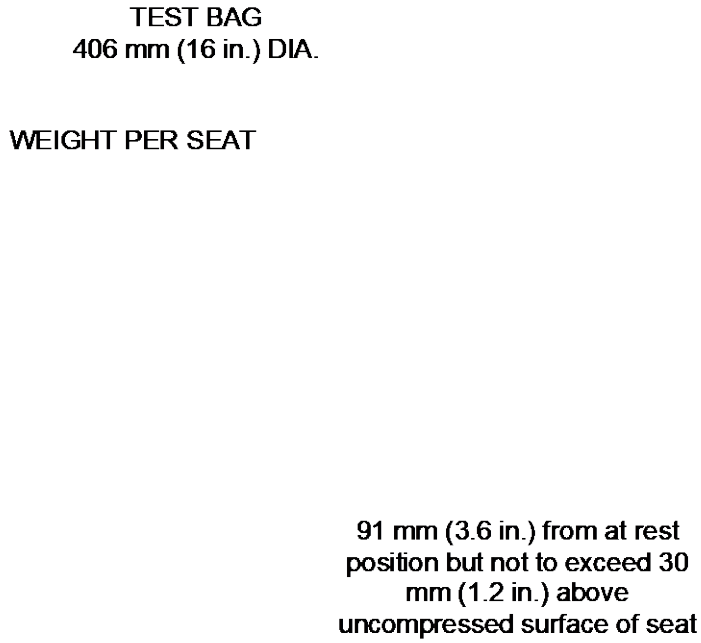

Figure 14 - Seating Durability Test - Cyclic

14 Seating Durability Tests - Cyclic (See Figure 14)

14.1 Applicability

This test shall be performed on all seating units.

14.2 Purpose of Test

The purpose of this test is to evaluate the ability of the unit to withstand fatigue stresses and wear caused by downward vertical impact force(s) on the seat.

14.3 Test Setup

a) The unit shall be placed on a test platform and be restrained in a manner that will maintain the impact location on the seat. The method of restraint shall not add support or structure to the unit, or inhibit movement of the unit response to the impact. Casters, if present, shall be initially placed at the apparent worst-case position.

b) If adjustable features are available, all adjustments shall be set at normal use conditions.

c) For multiple seat units without defined seating positions, determine the number of seating positions per Definition.

d) Units with less than 44 mm (1.75 in.) of cushioning materials in the seat shall have foam added to bring total cushioning thickness to 50 mm ± 6 mm (2 in. ± 0.25 in.). Any additional foam added to the top of the seat shall have a 25% Indentation Force Deflection (IFD) of 200 N ± 22 N (45 lbf. ± 5 lbf.).[1] **Note:** Flexible seat surfaces (i.e., mesh, flexible plastic, etc.) are not considered cushioning materials; foam shall be added to these surfaces.

e) An impact test bag (reference Appendix A), 406 mm ± 13 mm (16 in. ± 0.5 in.) diameter, containing a load of 91 kg (200 lb.) for X5.41-400 units and 102 kg (225 lb.) for X5.41-600 units of shot, slugs, or punches shall be attached to a cycling device, permitting a free fall to the seat as shown in Figure 14. The free fall shall begin after lifting the impact test bag 91 mm (3.6 in.) above its "at rest" position but not to exceed 30 mm (1.2 in.) above the uncompressed surface on the seat (as measured at the center of the seat). Other methods of creating the impact are acceptable if the impact can be shown to be equivalent. The drop height and/or seat height shall be adjusted during the test if the drop height increases by more than 13 mm (0.5 in.). The cycling device shall be set at an appropriate rate between 10 and 30 cycles per minute.

f) The bag shall be centered side-to-side on the seat and shall be positioned not more than 13 mm (0.5 in.) from the most forward surface of the backrest during free fall. The bag shall not contact the backrest during the free fall. For units without backrests, center the weight on the seating position.

g) All additional seats on the unit that are not being cycled shall be loaded with 159 kg (350 lb.) of weight per seat for X5.41-400 and 245 kg (540 lb.) of weight per seat for X5.41-600.

14.4 Test Procedure

Each seating position with a unique structure shall be tested to 100,000 cycles; however a minimum of 2 seating positions shall be tested for a multiple seating unit.

14.5 Acceptance Level

There shall be no loss of serviceability.

[1] Specimen thickness 102 mm (4 in.). See Method B_1, Indentation Force Deflection Test, in *Standard Test Methods for Flexible Cellular Materials —Slab, Bonded, and Molded Urethane Foams*, ASTM D 3574.

[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 Plastics —

Plastics piping system components and related materials

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9 Quality Assurance

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Table 9.11A
PEX, PE-RT, PE-water, PE-storm sewer pipe and tubing test frequency

Test	PEX	PE-RT	PE (water)	PE (storm sewer)
dimension				
pipe OD or ID	2 h	2 h	2 h	2 h
pipe wall thickness (minimum and maximum)	2 h	2 h	2 h	2 h
burst pressure[1,5]	24 h[9]	24 h	24 h	24 h
hydrostatic pressure	annually	annually	—	—
density	annually	annually	annually	annually
degree of crosslinking[6] (gel content)	weekly	—	—	—
ESCR	annually	—	~~annually~~	—
bent tube sustained pressure (hot / cold)	annually	—	—	—
elevated temperature sustained pressure 80 °C (176 °F)	—	—	semiannually	—
sustained pressure	annually	—	—	—
excessive temperature and pressure capability of tubing and pipe	annually	annually[7]	—	—
stiffness	—	—	—	annually
flattening	—	—	—	annually
impact	—	—	—	weekly
product standard(s)	ASTM F876, ASTM F877,	ASTM F2623, ASTM F2769,	~~ASTM D2104~~, ASTM D2239,	ASTM F2306

Table 9.11A
PEX, PE-RT, PE-water, PE-storm sewer pipe and tubing test frequency

Test	PEX	PE-RT	PE (water)	PE (storm sewer)
	ASTM F2788, ASTM F2929, ASTM F3253, CSA B137.5, AWWA C904[8]	CSA B137.18[4]	~~ASTM D2447~~, ASTM D2737, ASTM D3035, ASTM F714, CSA B137.1,[4] AWWA C901,[2] AWWA C906,[3]	

[1] If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.

[2] Pipe and tubing compliant to AWWA C901 shall follow the QC requirements of AWWA C901.

[3] Pipe and tubing compliant to AWWA C906 shall follow the QC requirements of AWWA C906.

[4] Burst pressure is not required for pipe listed to CSA B137.1 and CSA B137.18.

[5] Burst test for pipe sizes 24 to 63 in are tested once per week.

[6] Degree of crosslinking samples shall be taken from normal production after the point in the process where the crosslinking reaction is nominally complete.

[7] Excessive temperature only applies to F2769.

[8] Pipe and tubing compliant to AWWA C904 shall follow the QC requirements of AWWA C904.

[9] Daily burst testing for PEX tubing shall be conducted for each material being extruded at either 180 °F or 200 °F depending on the temperature specified by the manufacturer.

[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 updates are indicated by use of yellow highlight. 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

7 Elective performance claims – Test methods

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7.3 Chemical reduction testing

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7.3.2 Chloramine reduction testing

7.3.2.1 Chloramine reduction claims

Claims for the reduction of chloramine may be made for drinking water treatment systems when tested in accordance with Section 7.3.2. To qualify for a chloramine reduction claim, ~~T~~the system shall reduce ~~an average~~ the concentration of chloramine from the influent challenge ~~of 3.0 ± 0.3 mg/L monochloramine (measured as Cl_2/L)~~ so that, prior to the ~~100% sampling point~~, final sample point establishing capacity, 90% of the product water sample concentrations demonstrate a greater ~~are less~~ than or equal to ~~0.5 mg/L monochloramine (measured as Cl_2/L)~~ 80.0% reduction of the influent water concentration at each sampling point. Samples collected at the ~~100%~~ final sample point establishing capacity shall ~~be less~~ demonstrate a greater than or equal to ~~0.5 mg/L monochloramine (measured as Cl_2/L)~~ 80.0% reduction of the influent water concentration at each sampling point.

~~NOTE — The acceptable single point influent concentration is 3.0 ± 0.5 mg/L (measured as Cl_2/L).~~

Upon the determination of a reduction capacity for chloramine, systems may also claim reduction of chlorine to the same reduction capacity as that demonstrated for chloramine.

Table 7.2
Chloramine reduction requirements

	Average influent challenge concentration	Individual influent sample point limits[1]	~~Maximum effluent concentration~~ Percent reduction requirement	Compound
chloramine[2]	3.0 mg/L ± 10%	3.0 ± 0.~~5~~3 mg/L	~~0.5 mg/L~~ ≥ 80.0%	monochloramine

[1] Equals average influent challenge concentration variability plus one of the following, in order of availability:

1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate US EPA Method.
2. Acceptable spike recoveries as stated in the appropriate US EPA Method.
3. Opinion of laboratory professionals – No guidance available in US EPA Method.

[2] As monochloramine (measured as Cl_2/L).

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Table 8.1
Performance data sheet reduction claims

Substance	Influent challenge concentration	Maximum permissible product water concentration
~~chloramine[1]~~	~~3.0 mg/L ± 10%~~	~~0.5 mg/L~~
chloride	800 mg/L ± 10%	250 mg/L
foaming agent	5 mg/L ± 10%	0.5 mg/L
hydrogen sulfide	1.0 mg/L ± 10%	0.05 mg/L
iron	3 to 5 mg/L	0.3 mg/L
manganese	1 to 2 mg/L	0.05 mg/L
phenol	5.0 mg/L ± 10%	0.25 mg/L
sulfate	800 mg/L ± 10%	250 mg/L
TDS	1500 mg/L ± 10%	500 mg/L
zinc	10 mg/L ± 10%	5 mg/L

~~[1] As monochloramine (measured as Cl_2/L).~~

Table 8.2
Performance data sheet reduction claims

Substance	Influent challenge concentration	Reduction requirement
chloramine[1]	3.0 mg/L ± 10%	≥ 80%
chlorine	2.0 mg/L ± 10%	≥ 50%
particulate, Class I particles 0.5 to <1 µm	at least 10,000 particles/mL	≥ 85%
particulate, Class II particles 1 to < 5 µm	at least 10,000 particles/mL	≥ 85%
particulate, Class III particles 5 to <15 µm	at least 10,000 particles/mL	≥ 85%

particulate, Class IV particles 15 to < 30 µm	at least 10,000 particles/mL	≥ 85%
particulate, Class V particles 30 to < 50 µm	at least 1,000 particles/mL	≥ 85%
particulate, Class VI particles 50 to < 80 µm	at least 1,000 particles/mL	≥ 85%
[1] As monochloramine (measured as Cl_2/L).		

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Rationale: Revised to measure the effluent by percent reduction per 2021 DWTU JC meeting discussion (May 12, 2021). This revision will improve the repeatability of the test by negating the impact of the variation of the influent chloramine concentration. This is also consistent with the way the chlorine reduction test is evaluated in section in 7.3.3.

REVISION 2 incorporates comments received from the previous ballot to clarify that the pass/fail criteria pertains to each sampling point, and adds the revised reduction requirement to the literature requirements under section 8.

Tracking number 53i135r1 **Revision to NSF/ANSI 53-2020**
 Issue 135 Revision 1 (June 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

7.3 Mechanical filtration reduction claims

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7.3.2.2 Polystyrene microsphere reduction for systems other than those used in bottled water plants

7.3.2.2.1 Polystyrene microsphere reduction claim for systems other than those used in bottled water plants

The polystyrene latex microspheres shall have 95% of particles in the range of 3.00 ± 0.15 µm. The size variation of the polystyrene microspheres shall be confirmed by electron microscopy. The spheres shall have a surface charge content of less than 2 ueq/g. The microspheres shall contain a fluorescein isothiocyanate (FITC) dye or equivalent. The system shall reduce the number of polystyrene microspheres from an influent challenge of at least 50,000 (5 × 104) polystyrene microspheres per liter by at least 99.95% at every individual unit effluent sample point when tested in accordance with Section 7.3.2.2.

7.3.2.2.2 Apparatus

Refer to Section 7.1.2, Figure 2, for an example of the test apparatus. Cycling solenoid valves shall be of a design that are rapid opening and closing (full actuation < 0.2 s), anti-water hammer and contain minimal dead volume. Recommended valve types are angle seat valves (such as Burkert 2000 or Asco 8290 series) or pneumatic diaphragm valves. The valve shall be sized so that the Cv of the valve shall be equal or greater than the clean system flow rate of the unit under test.

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7.3.2.2.7.2 Batch treatment systems

Influent (aliquot is removed by inserting a pipette to the midpoint of the raw water reservoir) and effluent samples shall be collected:

— at the beginning of the “on” portion of the eighth cycle; and

— at the beginning of the “on” portion of the fourth batch of challenge test water introduced when the original filling time of the system has increased by 133%, 200%, and 400%.

7.3.2.3 Polystyrene microsphere reduction for systems used in bottled water plants

7.3.2.3.1 Polystyrene microsphere reduction claim

The polystyrene latex microspheres shall have 95% of particles in the range of 3.00 ± 0.15 µm. The size variation of the polystyrene microspheres shall be confirmed by electron microscopy. The spheres shall have a surface charge content of less than 2 ueq/g. The microspheres shall contain a FITC dye or equivalent. The system shall reduce the number of polystyrene microspheres from an influent challenge of at least 50,000 (5 × 104) polystyrene microspheres per liter by at least 99.95% at every individual unit effluent sample point when tested in accordance with Section 7.3.2.2.

7.3.2.3.2 Apparatus

Refer to 7.1.2, Figure 2, for an example of the test apparatus.

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Rationale: Added language per 2021 DWTU JC Meeting discussion (May 12, 2021) to clarify that the acceptance criteria for the microsphere test pertains to every effluent sample point in sections 7.3.2.2.1 and 7.3.2.3.1. This language is consistent with current requirement for live Cryptosporidium oocyst reduction under 7.3.2.1.

Tracking number 455-2i22r1 et al
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Multiple revisions for 455-2i22r1, 455-3i29r1, 455-4i36r1

Revision to NSF/ANSI 455-2-2020
Issue 22 Revision 1 (June 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 GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

NSF/ANSI Standard
for GMP for Over-the-Counter Drugs –

Good Manufacturing Practices for Over-the-Counter Drugs

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5 Audit process

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5.8 Post audit activities

5.8.1 Certification

After review of the audit report, corrective action report and applicable supporting documentation, including a monitoring audit report (if applicable), a certification decision is made by the CB. Where a certificate is awarded, the CB shall issue the certificate within ~~30 business days~~.10 business days from certification decision.

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