ANSI STANDARDS ACTION

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Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

ASCE (American Society of Civil Engineers)

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

Reaffirmation

BSR/ASCE/EWRI 42-2017 (R202x), Standard Practice for the Design, Conduct, and Evaluation of Operational Precipitation Enhancement Projects (reaffirmation of ANSI/ASCE/EWRI 42-2017)

Stakeholders: Water resource managers, project managers, engineers, water planners.
Project Need: Design, operational procedures, and evaluation of a cloud seeding program that should include long-range as well as short-range aspects in the interpretation of results and the practical significance of the overall findings.
Scope: This document, Standard Practice for the Design, Conduct, and Evaluation of Operational Precipitation Enhancement Projects, is intended to provide water resources managers and others with the standard approach for designing, operating, and evaluating precipitation enhancement projects.

CSA (CSA America Standards Inc.)

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

Revision

BSR LC 1-202x/CSA 6.26-202x, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (revision of ANSI LC 1 -2019/CSA 6.26-2019)

Stakeholders: Manufacturers, installers.
Project Need: To include updated references and manifold installation instruction requirements. Also, to remove EHD 16 and clarify test sample sizes and quantities.
Scope: This Standard applies to fuel gas piping systems using corrugated stainless steel tubing (CSST), intended for installation in residential, commercial, or industrial buildings, and including the following components as a minimum: (a) corrugated stainless steel tubing (CSST); (b) fittings for connection to the CSST; and (c) striker plates to protect the installed CSST from puncture threats. Other components of piping systems covered by this Standard include gas manifolds, gas pressure regulators, manual gas valves, quick-disconnect devices, and gas convenience outlets.

CTA (Consumer Technology Association)

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

Revision

BSR/CTA 2037-D-202x, Determination of Television Set Power Consumption (revision and redesignation of ANSI/CTA 2037-C-2021)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To define a method for measuring television set power consumption and related items.
Scope: This standard defines a method for measuring television-set power consumption and related items. It is intended for television sets powered from an external source. Television sets with a non-removable main battery are excluded.

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2111-202x, Recommendations and Best Practices for Estimating Cardiorespiratory Fitness by Physical Activity Solutions (new standard)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To create recommendations and best practices for estimating cardiorespiratory fitness by Physical Activity Solutions.
Scope: This standard addresses recommendations and best practices for estimating cardiorespiratory fitness by Physical Activity Solutions.

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 1585-202x, Standard for Exposure and Contamination Control (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 shall contain minimum requirements for an exposure and contamination control program for emergency services incident scene operations and training.

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard | Kansas City, MO 64106 www.saiaonline.org
Contact: DeAnna Martin; deanna@saiaonline.org

Revision

BSR SAIA A92.10-202x, Transport Platforms (revision of ANSI/SAIA A92.10-2009 (R2014))

Stakeholders: Designers, manufacturers, dealers, owners, operators, users, lessors, lessees, and brokers of Transport Platforms
Project Need: To revise the previously approved A92.10 ANS.
Scope: This standard applies to Transport Platforms that are primarily used as a tool of the trade to vertically transport authorized persons, along with materials and necessary tools, to various access levels on a building or structure for construction, renovation, maintenance or other types of work.

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard | Kansas City, MO 64106 www.saiaonline.org
Contact: DeAnna Martin; deanna@saiaonline.org

Revision

BSR SAIA A92.7-202x, Airline Ground Support Vehicle-Mounted Vertical Lift Devices (revision of ANSI/SAIA A92.7 -2014)

Stakeholders: Designers, manufacturers, dealers, owners, operators, users, lessors, lessees and brokers of Airline Ground-Support Vehicle-Mounted Vertical Lift Devices
Project Need: To revise the previously approved A92.7 ANS.
Scope: This standard applies only to airline ground-support, vehicle-mounted, vertical lift devices specifically designed for servicing aircraft while outdoors on a paved airport ramp surface. The chassis may be either a commercial-type vehicle or one custom designed to accommodate the vertical lift structures. This standard does not apply to those portions of the airline ground-support vehicle intended to facilitate or accommodate passengers as defined in this standard.

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard | Kansas City, MO 64106 www.saiaonline.org
Contact: DeAnna Martin; deanna@saiaonline.org

Revision

BSR SAIA A92.9-202x, Mast-Climbing Work Platforms (revision of ANSI/SAIA A92.9-2011 (R2017))

Stakeholders: Designers, manufacturers, dealers, owners, operators, users, lessors, lessees and brokers of Mask Climbing Work Platforms (MCWPs)
Project Need: To revise the previously approved A92.9 ANS.
Scope: This standard applies to Mast Climbing Work Platforms that are primarily used to position personnel, along with their necessary tools and materials, to perform their work. Platforms may be adjustable by manual or powered means.

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 92-202x, Specification for 5/8-24 Plug, (Male), Trunk & Distribution Connectors (revision of ANSI/SCTE 92 -2017)

Stakeholders: Cable Telecommunications industry.
Project Need: Update current technology.
Scope: The purpose of this document is to specify the mechanical, environmental, and base line electrical performance for the male 5/8 – 24 plug (male) trunk and distribution connector interface when connected to SCTE 91, Specification for 5/8-24 RF & AC Equipment Port, Female.

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE DVS 1335-202x, Linear Contribution Encoding Specification (new standard)

Stakeholders: Cable Telecommunications industry.
Project Need: Create new American National Standard.
Scope: This specification has the goal of providing a consolidated set of requirements for content essence and related information from a content provider to a processing facility for subsequent delivery to a Content Delivery Network (CDN) or a QAM distribution plant. The formats are defined to obtain the best resultant quality across a number of distribution methods. This specification will initially only define the contribution linear feed.

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com
Contact: Katelyn Simpson; KSimpson@tileusa.com

New Standard

BSR A108.22-202x, Installation of Pre-Mixed Grout in Tilework (new standard)

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers and consumers (user interest category); and affiliated industries and other general interest users of this standard (general interest category).
Project Need: Various stakeholders have suggested that a new standard be created regarding the installation of pre-mixed grout in tilework.
Scope: This specification describes the minimum requirements for grouting ceramic tile with pre-mixed grout.

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com
Contact: Katelyn Simpson; KSimpson@tileusa.com

New Standard

BSR A118.19-202x, Standard Specifications for Organic Pre-Mixed Grouts for Installation of Ceramic Tile (new standard)

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers, and consumers (user interest category); and affiliated industries and other general interest users of this standard (general interest category).
Project Need: Various stakeholders have suggested that a new specification be created for organic pre-mixed grouts.
Scope: This specification describes the test methods and the minimum requirements for organic pre-mixed grouts.

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: January 30, 2022

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

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

Addenda

BSR/ASHRAE/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 ISC revises Addendum f to avoid redundant language and to increase clarity. The original addendum f modified the Invasive Plant requirements (5.3.3.1) to enhance their enforceability and provide resources that will assist jurisdictions with identifying regional invasive plants.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum n 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 removes references to health care facilities and health care spaces from 189.1 in cases where they are covered by language in 189.3.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: January 30, 2022

HI (Hydraulic Institute)

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

Revision

BSR/HI 3.6-202x, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)
This standard provides detailed procedures on what is required in a hydrostatic test as well as four types of performance tests that can be conducted on rotary pumps including: Internal quality assurance test, Rpm pressure power, Rpm pressure rate of flow, and Rpm pressure rate of flow power.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Peter Gaydon; pgaydon@pumps.org

HI (Hydraulic Institute)

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

Revision

BSR/HI 14.6-202x, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6 -2016)
This standard provides acceptance criteria and uniform procedures for performance, net-positive suction head, and hydrostatic pressure testing, and data recording and reporting of test results for rotodynamic pumps. It provides acceptance grades that can be specified for various types of applications. It also defines test procedures that will result in consistent and repeatable results.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Edgar Suarez; esuarez@pumps.org

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Paul.E.Lloret@ul.org, https://ul.org/

Revision

BSR/UL 217-202x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2021)
Recirculation proposes a revision to the uniformity of operation test previously proposed on October 8, 2021.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 263-202x, Standard for Fire Tests of Building Construction and Materials (April 30, 2021) (revision of ANSI/UL 263-2021)
This proposal covers: (1) Air-dry conditions for test assemblies with SFRM in UL 263 (supersedes April 30, 2021).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: January 30, 2022

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 | Elizabeth.Northcott@ul.org, https://ul.org/

Revision

BSR/UL 2442-202x, Standard for Safety for Wall and Ceiling Mounts and Accessories (revision of ANSI/UL 2442 -2019)
(1) Revisions to instruction requirements to allow on-line installation and operating instructions as an alternative to printed manuals.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 14, 2022

APA (APA - The Engineered Wood Association)

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

Revision

BSR A190.1-202x, Product Standard for Structural Glued Laminated Timber (revision of ANSI A190.1-2017)
This standard covers the manufacturing, qualification, quality assurance, and installation requirements for structural glued laminated timber products.
Single copy price: Free
Obtain an electronic copy from: borjen.yeh@apawood.org
Order from: Borjen Yeh; borjen.yeh@apawood.org
Send comments (copy psa@ansi.org) to: Same

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section II-202x, Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2021)
Section II of the Boiler and Pressure Vessel Code provides material specifications for base metallic materials and material design values and limits and cautions on the use of materials.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Colleen O'Brien; obrienc@asme.org

Comment Deadline: February 14, 2022

ASTM (ASTM International)

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

National Adoption

BSR/ASTM/ISO 55001-202x, Asset management - Management systems - Requirements (identical national adoption of ISO 55001:2014(E)) (identical national adoption of ISO 55001 and revision of ANSI/ASTM/ISO 55001 -2016)
This International Standard specifies requirements for an asset management system within the context of the organization. This International Standard can be applied to all types of assets and by all types and sizes of organizations.
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

National Adoption

BSR/ASTM/ISO 55000-202x, Asset management - Overview, Principles and Terminology (identical national adoption of ASTM/ISO 55000 and revision of ANSI/ASTM/ISO 55000-2016)
This International Standard provides an overview of asset management, its principles and terminology, and the expected benefits from adopting asset management. This International Standard can be applied to all types of assets and by all types and sizes of organizations.
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

National Adoption

BSR/ASTM/ISO 55002-202x, Asset management - Management systems - Guidelines for the application of ISO 55001 (identical national adoption of ISO 55002 and revision of ANSI/ASTM/ISO 55002-2016)
This document gives guidelines for the application of an asset management system, in accordance with the requirements of ISO 55001 (Revises ISO 55002:2018). This document is intended to be used for managing physical assets in particular, but it can also be applied to other asset types.
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Corice Leonard; accreditation@astm.org

Comment Deadline: February 14, 2022

AWS (American Welding Society)

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

New Standard

BSR/AWS A5.21/A5.21M-202x, Specification for Bare Electrodes and Rods for Surfacing (new standard)
This specification prescribes the requirements for classification of bare (uncoated) solid wire as well as tubular electrodes and rods for weld surfacing. Solid surfacing electrodes and rods are classified on the basis of the composition of the material as manufactured. Metal-cored and flux-cored composite (tubular) surfacing electrodes and rods are classified on the basis of the chemical composition of the deposited weld metal. Tubular tungsten carbide bare rods are classified on the basis of the mesh range, quantity, and composition of the tungsten carbide granules. A guide is appended to the specification as a source of information concerning the characteristics and applications of the classified electrodes and rods.
Single copy price: $36.00
Obtain an electronic copy from: gupta@aws.org
Send comments (copy psa@ansi.org) to: Rakesh Gupta; gupta@aws.org

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

Revision

BSR/BHMA A156.2-202x, Standard for Bored and Preassembled Locks and Latches (revision of ANSI/BHMA A156.2-2017)
This Standard establishes performance requirements for bored and preassembled locks and latches, and includes dimensional criteria, operational tests, strength tests, cycle tests, security tests, and material evaluation tests.
Single copy price: $35.00
Obtain an electronic copy from: mtierney@kellencompany.com
Order from: Michael Tierney; mtierney@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-006.2-202x, NENA Standard for NG9-1-1 GIS Data Model (new standard)
This work will review and add to the current NENA standards for NG9-1-1 GIS Data and build on existing work related to migration to the required standardized formats and stewardship practices required for NG9-1-1 to operate seamlessly and be interoperable with all agencies and responders across the U.S. and Canada.
Single copy price: Free
Obtain an electronic copy from: download & comment at https://dev.nena.org/higherlogic/ws/public/document?document_id=24773&wg_id=cbe73ed9-8e96-475c-8a77-340dc6682b79
Order from: Delaine Arnold; darnold@nena.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: February 14, 2022

NENA (National Emergency Number Association)

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

Reaffirmation

BSR/NENA STA-026.5-2016 (R202x), NENA PSAP Master Clock Standard (reaffirmation of ANSI/NENA STA-026.5 -2016)
Many systems in a PSAP create data records that include a timestamp - the date/time the record was created, or an event of interest occurred. Many of these are legal records, and it is important the timestamps are accurate across all systems involved. Using a common time source, or "Master Clock" to which all systems are synced accomplishes this goal. This standard defines specifications for time synchronization only for E9-1-1 PSAPs and retains specifications for legacy time sync interfaces.
Single copy price: Free
Obtain an electronic copy from: https://dev.nena.org/higherlogic/ws/public/document?document_id=24779&wg_id=85e5bdbb-9f1c-4ad5-9ecc-3e1da12eb38f
Order from: download & comment at https://dev.nena.org/higherlogic/ws/public/document?document_id=24779&wg_id=85e5bdbb-9f1c-4ad5-9ecc-3e1da12eb38f
Send comments (copy psa@ansi.org) to: download & comment at https://dev.nena.org/higherlogic/ws/public/document?document_id=24779&wg_id=85e5bdbb-9f1c-4ad5-9ecc-3e1da12eb38f

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

Revision

BSR A137.1-202x, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2021)
These Specifications describe the normally available sizes and shapes of ceramic tile: the physical properties of Standard Grade and Second Grade Ceramic Tile, Decorative Tile and Specialty Tile; the basis for acceptance and methods of testing prior to installation; the marking and certification of ceramic tile; and the definitions of terms employed in these specifications.
Single copy price: $15.00
Obtain an electronic copy from: ksimpson@tileusa.com
Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

Revision

BSR A137.2-202x, Standard Specifications for Glass Tile (revision of ANSI A137.2-2021)
These specifications describe manufacturing styles, body types, sizes, and physical properties for standard-grade glass tile; the basis for acceptance and methods of testing before installation; the marking of packaging and certification of tile; and the definition of terms employed in these specifications.
Single copy price: $15.00
Obtain an electronic copy from: ksimpson@tileusa.com
Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

Comment Deadline: March 1, 2022

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B36.19-202x, Welded and Seamless Wrought Stainless Steel Pipe (revision of ANSI/ASME B36.19M -2018)
This Standard covers the standardization of dimensions of welded and seamless wrought stainless steel pipe for high or low temperatures and pressures.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert; papertd@asme.org

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

New Standard

BSR/IEEE C37.66-202x, Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV) (new standard)
This standard applies to single- or multi-pole ac switches for rated maximum voltage above 1 kV to 38 kV for use in switching shunt capacitor banks. This standard covers the application of capacitive load switching wherein the capacitive loads are separated by sufficient inductance to limit the transient peak inrush current to the peak values shown in Table 2 and Table 3. Switches designed and built in accordance with this standard are rated for routine switching of capacitive load currents only.
Single copy price: Free
Order from: https://www.techstreet.com/ieee/searches
Send comments (copy psa@ansi.org) to: Karen Evangelista; k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

New Standard

BSR/IEEE C37.100.2-202x, Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V (new standard)
This standard provides common requirements for testing of ac capacitive current switching devices over 1000V.
Single copy price: Free
Order from: https://www.techstreet.com/ieee/searches
Send comments (copy psa@ansi.org) to: Karen Evangelista; k.evangelista@ieee.org

Comment Deadline: March 1, 2022

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

New Standard

BSR/IEEE C37.120-202x, Guide for Protection System Redundancy for Power System Reliability (new standard)
This guide provides information about what factors to consider when determining the impact of protection system redundancy on power system reliability.
Single copy price: Free
Order from: https://www.techstreet.com/ieee/searches
Send comments (copy psa@ansi.org) to: Karen Evangelista; k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

Revision

BSR/IEEE C37.234-202x, Guide for Protective Relay Applications to Power System Buses (revision of ANSI/IEEE C37.234-2009)
Concepts of power bus protection are discussed in this guide. Consideration is given to availability and location of breakers, current sensing devices, and disconnect switches, as well as bus-switching scenarios, and their impact on the selection and application of bus protection. A number of bus protection schemes are presented; their adequacy, complexity, strengths, and limitations with respect to a variety of bus arrangements are discussed; specific application guidelines are provided. Breaker failure (BF) protection is discussed as pertaining to bus protection. Means of securing bus protection schemes against corrupted relay input signals are also included.
Single copy price: Free
Order from: https://www.techstreet.com/ieee/searches
Send comments (copy psa@ansi.org) to: Karen Evangelista; k.evangelista@ieee.org

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 60335-2-40-202X, Standard for Household and Similar Electrical Appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (identical national adoption of IEC 60335-2-40 and revision of ANSI/UL 60335-2-40-2019)
UL is proposing to adopt the 4th edition of UL 60335-2-40 with additions and deletions to the national differences.
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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.
Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Revised Technical Report

ASC X9 TR 47-2022, Universal Companion Document Industry Adoption of X9.100-187 (revise technical report)
The purpose of this, the Universal Companion Document, is to formalize an industry standard for check image exchange using the ANSI X9.100-187 standard format and a compilation of industry best practices. This document is not intended to replace the ANSI X9.100-187 standard, but rather to clarify how financial institutions should use the standard to ensure all necessary and appropriate payment data is exchanged between collecting and paying institutions. The use of this document requires that all image exchange participants obtain, use, and adhere to the record and field usage definitions detailed in the ANSI X9.100-187 standard. Users of this document are required to review and be knowledgeable of the full standard to ensure file structure, data, and field specifications are understood and used correctly. This document further defines the specific usage of the ANSI X9.100-187 standard and describes all of the records and fields which contain critical payment data. Based on this usage, it is reasonable to expect that exchange participants will implement file validation practices to ensure that all critical payment data is contained in image exchange files. If a file contains records or fields of critical payment data that do not conform to the usage practices detailed in the standard, it is reasonable to expect the paying institution will reject the item or file back to the sending institution as the transaction(s) contained in the file may be unusable/unpostable. Conversely, if a record or field which does not contain critical payment data is populated with incomplete, erroneous, or invalid data, it is reasonable to expect these files or items would be accepted and processed.

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

OPEI (Outdoor Power Equipment Institute)

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

BSR B71.11-200x, Outdoor Power Equipment - Catalyzed Exhaust Systems Safety (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

Project Withdrawn

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.12-202x, Consumer Turf Care Equipment - Pedestrian-Controlled Mowers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.13-202x, Consumer Turf Care Equipment - Ride-On Mowers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.14-202x, Commercial Turf Care Equipment - Pedestrian-Controlled Mowers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.15-202x, Commercial Turf Care Equipment - Ride-On Mowers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.16-202x, Snow Throwers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.17-202x, Powered Shredder/Grinders and Shredder/Baggers - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.18-202x, Powered Log Splitters - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

Project Withdrawn

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.19-202x, Walk-Behind Powered Rotary Tillers and Hand Supported Cultivators - Electric Motor Operated - Safety Specifications (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.20-202x, Multipurpose Off-Highway Utility Vehicles - Electric Motor Operated (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B71.21-202x, Walk-Behind (Wheeled) Powered Trimmers - Safety (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B175.9-202x, Handheld and Backpack Powered Blowers - Electric Motor Operated - Safety Requirements (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B175.10-202x, Grass Trimers and Brushcutters - Electric Motor Operated - Safety Requirements (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B175.11-202x, Portable, Handheld Cut-Off Machines - Electric Motor Operated - Safety Requirements (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B175.12-202x, Pole Pruners - Electric Motor Operated - Safety Requirements (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

Project Withdrawn

OPEI (Outdoor Power Equipment Institute)

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

BSR/OPEI B175.13-202x, Handheld Tillers and Cultivators - Electric Motor Operated - Safety Requirements (new standard)
Inquiries may be directed to Greg Knott; gknott@opei.org

Final Actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Revision

ANSI/AAMI ST91-2021, Flexible and semi-rigid endoscope processing in healthcare facilities (revision of ANSI/AAMI ST91-2015) Final Action Date: 12/21/2021

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard

ANSI/ACP 101-1-2021, The Small Wind Turbine Standard (new standard) Final Action Date: 12/21/2021

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

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

New Standard

ANSI N42.45-2021, Standard for Evaluating the Image Quality of X-ray Computed Tomography (CT) Security-Screening Systems (new standard) Final Action Date: 12/22/2021

NSF (NSF International)

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

Revision

ANSI/NSF 51-2021 (i25r1), Food Equipment Materials (revision of ANSI/NSF 51-2019) Final Action Date: 12/21/2021

Call for Members (ANS Consensus Bodies)

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

ASME (American Society of Mechanical Engineers)

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

BSR/ASME MFC-8-202x, Fluid Flow in Closed Conduits: Connections for Pressure Signal Transmissions between Primary & Secondary Devices (revision and redesignation of ANSI/ASME MFC-8M-2001 (R2016))

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.2-202x, Standard for Bored and Preassembled Locks and Latches (revision of ANSI/BHMA A156.2-2017)

CTA (Consumer Technology Association)

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

BSR/CTA 2037-D-202x, Determination of Television Set Power Consumption (revision and redesignation of ANSI/CTA 2037-C-2021)

CTA is seeking new members to join the consensus body. CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

BSR/CTA 2111-202x, Recommendations and Best Practices for Estimating Cardiorespiratory Fitness by Physical Activity Solutions (new standard)

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

SAIA (ASC A92) (Scaffold & Access Industry Association)

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

BSR SAIA A92.10-202x, Transport Platforms (revision of ANSI/SAIA A92.10-2009 (R2014))

BSR SAIA A92.7-202x, Airline Ground Support Vehicle-Mounted Vertical Lift Devices (revision of ANSI/SAIA A92.7-2014)

BSR SAIA A92.9-202x, Mast-Climbing Work Platforms (revision of ANSI/SAIA A92.9-2011 (R2017))

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) Process

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

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

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

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

American National Standards Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- 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.

AAMI
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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

Additive manufacturing (TC 261)

ISO/ASTM DIS 52909, Additive manufacturing - Finished part properties - Orientation and location dependence of mechanical properties for metal powder bed fusion - 6/6/2021, $62.00

Agricultural food products (TC 34)

ISO/FDIS 22942-1, Molecular biomarker analysis - Isothermal polymerase chain reaction (isoPCR) methods - Part 1: General requirements - 6/6/2021, $107.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 14222, Space environment (natural and artificial) - Earth's atmosphere from ground level upward - 6/6/2021, $119.00

Biotechnology (TC 276)

ISO/FDIS 20397-1, Biotechnology - Massively parallel sequencing - Part 1: Nucleic acid and library preparation - 6/6/2021, $67.00

Building construction (TC 59)

ISO/FDIS 4781, Building and civil engineering sealants - Determination of application life - 6/6/2021, $33.00

Building environment design (TC 205)

ISO/FDIS 52032-1, Energy performance of buildings - Energy requirements and efficiencies of heating, cooling and domestic hot water (DHW) distribution systems - Part 1: Calculation procedures - 6/6/2021, $102.00

Cleanrooms and associated controlled environments (TC 209)

ISO/FDIS 14644-10, Cleanrooms and associated controlled environments - Part 10: Assessment of surface cleanliness for chemical contamination - 6/6/2021, $98.00

Fire safety (TC 92)

ISO/FDIS 12863, Standard test method for assessing the ignition propensity of cigarettes - 6/6/2021, $82.00

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

ISO/FDIS 13503-3, Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines - 6/6/2021, $62.00

ISO/DIS 24139-2, Petroleum and natural gas industries - Corrosion resistant alloy clad bends and fittings for pipeline transportation system - Part 2: Clad fittings - 6/6/2021, $119.00

Metallic and other inorganic coatings (TC 107)

ISO/DIS 4530, Vitreous and porcelain enamelled manufactured articles - Determination of resistance to heat - 6/6/2021, $29.00

Natural gas (TC 193)

ISO/FDIS 20765-5, Natural gas - Calculation of thermodynamic properties - Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent - 6/6/2021, $67.00

Plastics (TC 61)

ISO/DIS 11359-1, Plastics - Thermomechanical analysis (TMA) - Part 1: General principles - 6/6/2021, $46.00

ISO/DIS 20819-2, Plastics - Wood-plastic recycled composites (WPRC) - Part 2: Test methods - 6/6/2021, $82.00

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

ISO/FDIS 3459, Plastic piping systems - Mechanical joints between fittings and pressure pipes - Test method for leak tightness under negative pressure - 6/6/2021, $40.00

Prosthetics and orthotics (TC 168)

ISO/DIS 22675, Prosthetics - Testing of ankle-foot devices and foot units - Requirements and test methods - 6/6/2021, $155.00

Road vehicles (TC 22)

ISO/FDIS 7141, Road vehicles - Light alloy wheels - Lateral impact test - 6/6/2021, $53.00

ISO/DIS 1726-3, Road vehicles - Mechanical couplings between tractors and semi-trailers - Part 3: Requirements for semi-trailer contact area to fifth wheel - 6/6/2021, $46.00

Rubber and rubber products (TC 45)

ISO/FDIS 18752, Rubber hoses and hose assemblies - Wire- or textile-reinforced hydraulic single-pressure types for oil-based or water-based fluids - Specification - 6/6/2021, $67.00

ISO/FDIS 24376, Rubber, raw natural - Guidelines and requirements for technically specified low-protein natural rubber - 6/6/2021, $58.00

ISO/FDIS 2782-1, Rubber, vulcanized or thermoplastic - Determination of permeability to gases - Part 1: Differential-pressure methods - 6/6/2021, $77.00

Ships and marine technology (TC 8)

ISO/DIS 22822, Large yachts - Quality assessment and acceptance criteria - Dynamic positioning on large yachts - 6/6/2021, $67.00

Sizing systems and designations for clothes (TC 133)

ISO/DIS 8559-4, Size designation of clothes - Part 4: Determination of the coverage ratios of body measurement tables - 6/6/2021, $53.00

Solid Recovered Fuels (TC 300)

ISO/FDIS 21646, Solid recovered fuels - Sample preparation - 6/6/2021, $134.00

Textiles (TC 38)

ISO/DIS 4484-3, Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method - 6/6/2021, $88.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 23316-1, Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 1: General - 6/6/2021, $62.00

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

ISO/DIS 24072, Aerosol bacterial retention test method for air-inlet on administration devices - 6/6/2021, $46.00

Transport information and control systems (TC 204)

ISO/DIS 14827-2, Intelligent transport systems - Data interfaces between centres for transport information and control systems - Part 2: AP-DATEX - 6/6/2021, $146.00

Vulnerable consumers (TC 311)

ISO/FDIS 22458, Consumer vulnerability - Requirements and guidelines for the design and delivery of inclusive service - 6/6/2021, $102.00

Welding and allied processes (TC 44)

ISO/FDIS 4136, Destructive tests on welds in metallic materials - Transverse tensile test - 6/6/2021, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 26563, Software and systems engineering - Methods and tools for product line configuration management - 6/6/2021, $102.00

ISO/IEC FDIS 18033-7, Information security - Encryption algorithms - Part 7: Tweakable block ciphers - 6/6/2021, $71.00

ISO/IEC DIS 30115-1, Information technology - Redfish scalable platforms management API specification - Part 1: Redfish Specification v1.13.0 - 6/6/2021, $185.00

ISO/IEC DIS 30115-2, Information technology - Redfish scalable platforms management API specification - Part 2: Redfish Schema Supplement v2021.1 - 6/6/2021, $301.00

ISO/IEC DIS 29167-11, Information technology - Automatic identification and data capture techniques - Part 11: Crypto suite PRESENT-80 security services for air interface communications - 6/6/2021, $88.00

ISO/IEC/IEEE DIS 24641, Systems and Software engineering - Methods and tools for model-based systems and software engineering - 6/6/2021, $155.00

IEC Standards

44/938/CD, IEC TS 62998-3 ED1: Safety of Machinery - Safety-related sensors used for the protection of persons - Part 3: Sensor technologies and algorithms, 03/18/2022

46C/1213/CD, IEC 61156-15 ED1: Multicore and symmetrical pair/quad cables for digital communications - Part 15: Symmetrical pair/quad cables for horizontal floor wiring with transmission characteristics up to 1 000 MHz and resistance to fire performance characteristics - Sectional specification, 03/18/2022

69/813/NP, PNW 69-813 ED1: ISO 15118-21: Road vehicles - Vehicle-to-grid communication interface - Part 21: Common 2nd-generation network layer and application layer requirements conformance test plan, 02/18/2022

86A/2170(F)/FDIS, IEC 60794-1-404 ED1: Optical fibre cables - Part 1 -404: Generic specification - Basic optical cable test procedures - Electrical test methods - Current-temperature test, method H4, 01/28/2022

86B/4574/CD, IEC 61300-2-38 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-38: Tests - Sealing for fibre optic sealed closures and hardened connectors using air pressure, 03/18/2022

86B/4575/CD, IEC 61753-021-02 ED3: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-02: Single-mode fibre optic connectors terminated as pigtails and patchcords for category C - Controlled environment, 02/18/2022

86B/4576/CD, IEC 61753-021-06 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-06: Single-mode fibre optic connectors terminated as pigtails and patchcords for category OP+ - Extended outdoor protected environment, 02/18/2022

86C/1776/DTR, IEC TR 61282-16 ED1: Fibre optic communication system design guidelines - Part 16: Coherent receivers and transmitters with high-speed digital signal processing, 02/18/2022

94/632/CD, IEC 61810-7-37 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-37: Temperature rise at rated load, 02/18/2022

94/633/CD, IEC 61810-7-3 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-3: Relay coil properties, 02/18/2022

94/634/CD, IEC 61810-7-27 ED1: All-or-nothing electrical relays - Testing and Measurement - Part 7-27: Electrical contact noise, 02/18/2022

94/635/CD, IEC 61810-7-28 ED1: All-or-nothing electrical relays - Tests and Measurement - Part 7-28: Thermoelectric electromotive force (e.m.f.), 02/18/2022

94/636/CD, IEC 61810-7-38 ED1: All-or-nothing electrical relays - Testing and Measurement - Part 7-38: Mechanical interlock, 02/18/2022

94/637/CD, IEC 61810-7-21 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-21: Thermal Endurance, 02/18/2022

115/290/CD, IEC TS 63291-1 ED1: HVDC Grid Systems and connected Converter Stations - Functional Specifications - Part 1: Guidelines, 03/18/2022

115/291/CD, IEC TS 63291-2 ED1: HVDC Grid Systems and connected Converter Stations - Functional Specifications - Part 2: Parameter Lists, 03/18/2022

CIS/D/482/CD, CISPR 12 ED7: Vehicles, boats and devices with internal combustion engines or traction batteries - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers, 03/18/2022

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

46F/602/FDIS, IEC 63138-3 ED1: Multi-channel radio frequency connectors - Part 3: Sectional specification for MQ5 series circular connectors, 02/04/2022

46F/603/FDIS, IEC 61169-17 ED1: Radio-frequency connectors. Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling - Characteristic impedance 50 ohms (Type TNC), 02/04/2022

46F/605/CD, IEC 63138-2 ED2: Multi-channel radio-frequency connectors - Part 2: Sectional specification for MQ4 series circular connectors, 03/18/2022

Electrical accessories (TC 23)

23B/1370/CD, IEC 60669-2-4 ED2: Switches for household and similar fixed electrical installations - Part 2-4: Particular requirements - Isolating switches, 03/18/2022

Electrical equipment in medical practice (TC 62)

62B/1267/CDV, IEC 60806 ED2: Determination of the maximum symmetrical radiation field of X-ray tube assemblies and X-ray source assemblies for medical diagnosis, 03/18/2022

Electrical installations for the lighting and beaconing of aerodromes (TC 97)

97/234/CD, IEC 61820-3-2 ED1: Electrical installations for lighting and beaconing of aerodromes - Particular requirements for series circuit power supplies, 03/18/2022

Electrical installations of buildings (TC 64)

64/2535/CDV, IEC 60364-7-706 ED3: Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement, 03/18/2022

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

48D/749/CD, IEC TR 60297-3-1 ED1: Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 3-1: Technological schemes and applications, 03/18/2022

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

104/925/CD, IEC 60068-2-14 ED7: Environmental testing - Part 2-14: Tests - Test N: Change of temperature, 02/18/2022

Fibre optics (TC 86)

86/591(F)/CDV, IEC 62496-2-5 ED1: Optical circuit boards - Basic test and measurement procedures - Part 2-5: Flexibility test for flexible opto-electric circuits, 03/11/2022

86A/2178/CD, IEC 60794-2-22 ED2: Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables to be terminated with connectors, 03/18/2022

86B/4562(F)/FDIS, IEC 61754-6 ED3: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6: Type MU connector family, 01/21/2022

86B/4563(F)/FDIS, IEC 61754-4 ED3: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family, 01/21/2022

86C/1774/Q, Standardization of pump laser diode modules for fibre amplifiers, 02/04/2022

86C/1775/DTR, IEC TR 61292-1 ED3: Optical amplifiers - Part 1: Parameters of optical fibre amplifier components, 02/18/2022

Industrial-process measurement and control (TC 65)

65C/1141/FDIS, IEC 61918/AMD1 ED4: Amendment 1 - Industrial communication networks - Installation of communication networks in industrial premises, 02/04/2022

65E/844/FDIS, IEC 62714-5 ED1: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication, 02/04/2022

Lamps and related equipment (TC 34)

34/896/DTR, IEC TR 63425 ED1: Connectivity for Lighting Systems, 02/18/2022

34B/2131/FDIS, IEC 60061-1/AMD62 ED3: Amendment 62 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps, 02/04/2022

Laser equipment (TC 76)

76/696/CD, IEC 60601-2-57 ED2: Medical electrical equipment - Part 2-57: Particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use, 02/18/2022

Lightning protection (TC 81)

81/685/CD, IEC 62561-8 ED1: Lightning protection system components (LPSC) - Part 8: Requirements for components for isolated LPS, 03/18/2022

Power electronics (TC 22)

22/354/CD, IEC 60146-1-1 ED5: Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements, 03/18/2022

Safety of machinery - Electrotechnical aspects (TC 44)

44/937/CD, IEC 60050-XXX ED1: International Electrotechnical Vocabulary (IEV) - Part XXX: Safety of machinery, 02/18/2022

Semiconductor devices (TC 47)

47/2742/CDV, IEC 63364-1 ED1: Semiconductor devices - Semiconductor devices for IOT system - Part 1: Test method of sound variation detection, 03/18/2022

47A/1130/FDIS, IEC 62228-7 ED1: Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers, 02/04/2022

47E/773/FDIS, IEC 60747-5-14 ED1: Semiconductor devices - Part 5 -14: Optoelectronic devices - Light emitting diodes - Test method of the surface temperature based on the thermoreflectance method, 02/04/2022

Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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).

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

ISO 20776-2:2021, Clinical laboratory testing and in vitro diagnostic test systems - Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 2: Evaluation of performance of antimicrobial susceptibility test devices against reference broth micro-dilution, $111.00

Health Informatics (TC 215)

IEC 81001-5-1:2021, Health software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product life cycle, $317.00

Internal combustion engines (TC 70)

ISO 8178-2:2021, Reciprocating internal combustion engines - Exhaust emission measurement - Part 2: Measurement of gaseous and particulate exhaust emissions under field conditions, $225.00

Mechanical testing of metals (TC 164)

ISO 1352:2021, Metallic materials - Torque-controlled fatigue testing, $175.00

Non-destructive testing (TC 135)

ISO 9712:2021, Non-destructive testing - Qualification and certification of NDT personnel, $200.00

Ships and marine technology (TC 8)

ISO 23765:2021, Ships and marine technology - Marine environment protection - Specification for collecting data on ships fuel oil consumption, $111.00

Surface chemical analysis (TC 201)

ISO 18115-2:2021, Surface chemical analysis - Vocabulary - Part 2: Terms used in scanning-probe microscopy, $48.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 17962:2015/Amd 1:2021, Agricultural machinery - Equipment for sowing - Minimization of the environmental effects of fan exhaust from pneumatic systems - Amendment 1, $20.00

ISO 15639-2:2021, Radio frequency identification of animals - Standardization of injection sites for different animal species - Part 2: Equine (horses, donkeys and zebras), $48.00

Welding and allied processes (TC 44)

ISO 13585:2021, Brazing - Qualification testing of brazers and brazing operators, $149.00

ISO 17779:2021, Brazing - Specification and qualification of brazing procedures for metallic materials, $111.00

ISO Technical Specifications

Industrial automation systems and integration (TC 184)

ISO/TS 23301:2021, STEP geometry visualization services, $175.00

ISO/IEC JTC 1, Information Technology

ISO/IEC/IEEE 8802-3:2021/Amd 2:2021, Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 2: Physical layer and management parameters for power over Ethernet over 4 pairs, $149.00

ISO/IEC/IEEE 8802-3:2021/Amd 1:2021, Telecommunications and information exchange between systems - Specific requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 1: Physical layer specifications and management parameters for 2.5 Gb/s and 5 Gb/s operation over backplane, $149.00

ISO/IEC/IEEE 8802-3:2021/Amd 3:2021, Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 3: Media access control parameters for 50 Gb/s and physical layers and management parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s operation, $149.00

ISO/IEC TS 38505-3:2021, Information technology - Governance of data - Part 3: Guidelines for data classification, $111.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 29/SC 9 - Tools with Defined Cutting Edges, Holding Tools, Cutting Items, Adaptive Items and Interfaces

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 29/SC 9 – *Tools with defined cutting edges, holding tools, cutting items, adaptive items and interfaces* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 29/SC 9 operates under the following scope:

Tools with defined cutting edges, cutting items having functional dimensions linked with cutting edges

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

ISO New Work Item Proposal

Driver Training - Intelligent Training System for Vehicle Driving

Comment Deadline: December 31, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on *Driver training — Intelligent training system for vehicle driving*, with the following scope statement:

The document specifies the terms and definitions, requirements (including the function requirements and performance requirements), test methods, packaging, transportation and storage of the intelligent training system for vehicle driving, not including the equipments of this system. This document is applicable to the design, development and delivery of the intelligent training system for vehicle driving.

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, December 31, 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

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.

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

Second Public Review (December 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).

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

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ASHRAE, 180 Technology Pkwy, Peachtree Corners, GA 30092

BSR/ASHRAE/ICC/USGBC/IES Addendum f to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft – Independent Substantive Changes.

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Foreword

This ISC revises Addendum f to avoid redundant language and to increase clarity.

The original addendum f modified the Invasive Plant requirements (5.3.3.1) to enhance their enforceability and provide resources that will assist jurisdictions with identifying regional invasive plants.

[Note to Reviewers: This addendum makes proposed changes to the 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 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 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.

Informative note: Refer to Appendix G Informative References for example lists of invasive plants for select locations.

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

Modify Section 5.3.3.1 as follows:

5.3.3.1 Invasive Plants.

a. *Invasive plants* shall be removed from the *landscaped areas* of the parcel of land and disposed in a manner that prevents the plant from dispersing seeds or reproducing.

b. *Invasive plants* shall not be planted.

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 to Section 10.9.1 as follows:

d. Where *invasive plants* are identified ~~when complying~~ in accordance 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, 5.3.3.1
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, 5.3.3.1
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, 5.3.3.1

National Association of Invasive Plant Councils, https://www.na-ipc.org/invasive-plant-lists/	Invasive Species Lists	3.2, 5.3.3.1
Stop the Invasion, https://www.invasive.org/gist/products/outreach/gardensmart_oregon_reduced.pdf	GardenSmart Oregon: A Guide to Non-invasive Plants	3.2, 5.3.3.1
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, 5.3.3.1
Washington, https://www.nwcb.wa.gov/images/weeds/botanical_bullies.pdf	Is Your Garden Harboring Botanical Bullies?	3.2, 5.3.3.1

Public Review Draft

Proposed Addendum n to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (December 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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Foreword

This addendum removes references to health care facilities and health care spaces from 189.1 in cases where they are covered by language in 189.3. There is no cost associated with this change, and this change should not affect the enforcement of these provisions. This addendum is not intended to make substantive changes to any of the provisions when considering 189.1 and 189.3 together.

[Note to Reviewers: This addendum makes proposed changes to the 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 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 n to 189.1-2020

Revise Sections 8.3.1, 8.3.1.1, and 8.3.1.3 as follows

8.3.1. Indoor Air Quality. Buildings shall comply with the design requirements of ANSI/ASHRAE Standard 62.1, Sections 4 through 6, including applicable normative appendices, with the modifications and additions indicated herein. ~~Health care facilities shall comply with the design requirements of ANSI/ASHRAE/ASHE Standard 170, including applicable normative appendices, with the modifications and additions indicated herein.~~ *Residential dwelling units* shall comply with the design requirements of ANSI/ASHRAE Standard 62.2, Sections 4 through 8, with the modifications and additions indicated herein.

Requirements provided in Sections 8.3.1.1 through 8.3.1.7 supersede such requirements in ASHRAE Standard 62.1~~,~~ and ASHRAE Standard 62.2~~, and ASHRAE/ASHE Standard 170~~. ~~Where a *space* type in a health care facility is listed in both Standard 62.1 and Standard 170, the requirement in Standard 170 shall be used.~~

8.3.1.1 Minimum Ventilation Rates. ~~In health care facilities, the ventilation requirements of ASHRAE/ASHE Standard 170 shall apply.~~ In *residential dwelling units*, the *dwelling unit* ventilation rates and local exhaust airflow rates as required by ASHRAE Standard 62.2 shall apply. ASHRAE Standard 62.2, Section 4.1.2, shall not apply. In all other cases, ASHRAE Standard 62.1, Sections 6.1.1 and 6.2, shall be used to determine minimum zone and intake outdoor airflow rates. ASHRAE Standard 62.1, Sections 6.1.2 and 6.1.3, shall not apply. Where a *space* in a health care facility is listed in both Standard 62.1 and Standard 170, the Rp-Ra Option in Standard 170 shall be used.

…

8.3.1.3 Filtration and Air Cleaner Requirements

a. **Particulate Matter.** The following requirements shall apply in all buildings.

1. **Wetted Surfaces**. Particulate matter filters or air cleaners having a minimum efficiency reporting value (MERV) of not less than 8 where rated in accordance with ANSI/ ASHRAE Standard 52.2, or not less than Coarse 90% where rated in accordance with ISO 16890, shall be provided upstream of all cooling coils or other devices with wetted surfaces through which air is supplied to an *occupiable space*. These requirements supersede the requirements in ASHRAE Standard 62.1, Section 5.9.

2. **Particulate Matter Smaller than 10 Micrometers (PM10).** Particulate matter filters or air cleaners shall be provided in accordance with Standard 62.1, Section 6.1.4.1, with the following modification. Such filters or air cleaners shall have a MERV of not less than 11 where rated in accordance with ASHRAE Standard 52.2, or not less than ePM2.5-50% where rated in accordance with ISO 16890.

3. **Particulate Matter Smaller than 2.5 Micrometers (PM2.5).** Particulate matter filters or air cleaners shall be provided in accordance with Standard 62.1, Section 6.1.4.2, with the following modification. Such filters or air cleaners shall have a MERV of not less than 13 where rated in accordance with ASHRAE Standard 52.2, or not less than ePM1-50% where rated in accordance with ISO 16890.

Exception to 8.3.1.3(a): In health care facilities, the particulate filter requirements of ASHRAE/ASHE Standard 170 shall apply.

b. **Outdoor Air Ozone Removal.** Air cleaning devices for ozone shall be provided for buildings located in an area that is designated "non-attainment" for ozone by USEPA, or located in an area that does not comply with applicable ambient air quality standards for ozone as determined by the *authority having jurisdiction* (*AHJ*). Such air cleaning devices shall have an ozone removal efficiency of no less than 40% where installed, operated, and maintained in accordance with the manufacturer's recommendations, and shall treat all *out- door air* intake flow. Such air cleaning devices shall be operated whenever the outdoor ozone level is expected to exceed the National Ambient Air Quality Standards (NAAQS). This requirement supersedes the requirements of ASHRAE Standard 62.1, Section 6.1.4.3. ~~This requirement applies to all buildings, including health care facilities covered by ASHRAE/ASHE Standard 170.~~

…

Revise Section 8.5.1.1 as follows:

8.5.1.1 Minimum daylight. The computed area-weighted *sDA* shall not be less than 40%. The *sDA* within each *space* shall be calculated all *spaces*, with the exception of the following *space* types, which shall be calculated on the basis of 14 fc (150 lux): ~~healthcare patient rooms,~~ post-office sorting areas, gymnasia, big box retail, transportation facility terminal ticket counters, airport concourses, and nonrefrigerated warehouses.

Exceptions to 8.5.1.1:

1. A *space* used for tasks or activities requiring routine dark conditions for more than 4 daytime hours per day.

2. A *space* where the height of existing facing structures above the *vertical fenestration* is not less than twice the distance between the *vertical fenestration* and facing structures, measured from the top of the glazing.

Table 3.6.12 — Recommended instrument calibration interval[a]

Rate of flow[b]	
Quantity meter	
Weighing tanks	1 yr
Volumetric tank	10 yr
Rate meters	
Venturi	[d]
Nozzle	[d]
Orifice plate	[d]
Weir	[d]
Turbine	1 yr
Magnetic flow	1 yr
Rotometer	1 yr
Propeller	1 yr
Ultrasonic	5 yr
Coriolis	~~3 yr~~Not req'd[a,c,d]
Pressure[b]	
Bourdon tube (pressure gauge) Manometers	4 mo
Dead weight tester	Not req'd Not req'd
Transducers	4 mo
Digital indicator	1 yr

Power[b]	
Dynamometer w/load scale	6 mo
Torque meter	1 yr
Calibrated motor	Not req'd[c]
kW Transducer	3 yr
Watt-amp-volt, portable	1 yr
Watt-amp-volt, permanent	1 yr
Strain gauges	6 mo
Transmission gear to 375 kW (500 hp)	10 yr
Transmission gears above 375 kW (500 hp)	20 yr
Speed	
Tachometers	3 yr
Electronic	Not req'd[c]
Frequency-responsive devices	
Vibrating reed	10 yr
Electronic	10 yr
Photocell	10 yr
Stroboscopes	5 yr
Temperature[b]	
Electric	2 yr
Mercury	5 yr

[a] Use instrument manufacturer's recommendation if shorter than listed in table.

[b] Other methods may be suitable.

[c] Unless electrical or mechanical failure.

[d] Calibration is not required unless it is suspected there are critical dimensional changes.

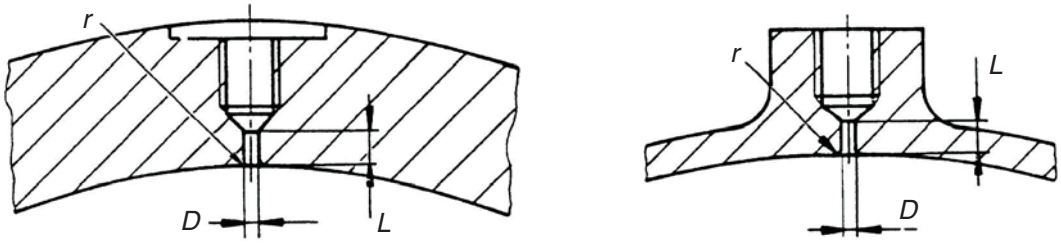
A.3.1.3 Pressure tappings

Static pressure tappings shall comply with the requirements shown in Figure A.6 and shall be free from burrs and irregularities and flush with, and normal to, the inner wall of the pipe.

For grade 1 tests, four static pressure tappings are to be provided symmetrically disposed around the circumference of each measuring section (see Figure A.7).

For grade 2 and 3 tests, it is normally sufficient to provide one static pressure tapping at each measuring section, but when flow can be affected by a swirl or an asymmetry, two or more may be necessary (see Figure A.8).

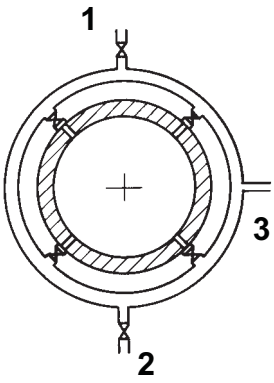
Except in the particular case where their position is determined by the arrangement of the circuit, the pressure tapping(s) should not be located at or near the highest nor the lowest point of the cross section.



Thick wall Thin wall

$L \geq 1.5\ D$,
where 1.6 mm (0.063 in) $\leq D \leq$ 6 mm (0.25 in)
$r \leq D/5$

Figure A.6 — Requirements for static pressure tappings



NOTE: 1 is a vent, 2 is a drain, and 3 is a connection to the pressure-measuring instrument.

Figure A.7 — Four pressure tappings connected by a ring manifold (grade 1)

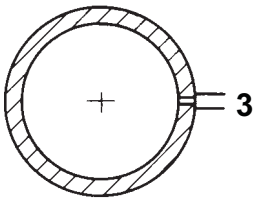


Figure A.8 — One pressure tapping (general for grade 2 and 3)

The diameter (*D*) of the pressure taps shall be between 1.6 and 6 mm (0.063 and 0.25 in). The diameter (*D*) of the pressure tap shall be determined by the wall thickness such that the length of a pressure tapping hole (*L*) shall not be less than one and a half times its diameter (*D*).The edge of the tapping hole, where it intersects the pipe inner diameter, must be left square or it may be slightly rounded, providing the radius (*r*) is no more than one fifth of the tap hole diameter (*D*).

The bore of the pipe containing the tappings shall be clean, smooth, and resistant to chemical reaction with the liquid being pumped. Any coating, such as paint, applied to the bore shall be intact. If the pipe is welded longitudinally, then the tapping hole shall be displaced as far as possible from the weld.

~~When the same pressure tappings are used for NPSH measurement, this deviation shall not exceed 1% of the NPSH value or one times the inlet velocity head.~~

Pipes connecting pressure tappings to possible damping devices and to instruments shall be at least equal in bore to the bore of the pressure tappings. The system shall be free from leaks.

Any high point in the line of the connecting pipes shall be provided with a purging valve to avoid trapping of air bubbles during measurements.

Whenever possible, it is recommended that transparent tubing be used to determine if air is present in the tubing.

A.3.1.3.1 Correction for height difference

Correction of the pressure reading p_M for height difference between the middle of the measuring section and the reference plane of the pressure-measuring instrument shall be made by the following formula.

The fluid in the gauge line shall be the same fluid being pumped.

$$H = \frac{p_M}{\rho \cdot g} + z_M$$

The assumption is the gauge line is completely filled with the fluid being measured.

A.4 Simulated test arrangements

When, for the reasons given above, it is agreed to test a pump under simulated site conditions, it is important that at the inlet of the simulated circuit the flow should as far as possible be free from significant swirl induced by the installation and have a symmetrical velocity distribution. All necessary provisions shall be made to ensure these conditions are achieved.

If necessary, for grade 1 tests, the velocity distribution of the flow into the simulated circuit shall be determined by careful Pitot tube traverses, in order to establish that the required flow characteristics exist. If not, then the required characteristics can be obtained by the installation of suitable means, such as a flow straightener adapted for the fault of the flow to be corrected (swirl or asymmetry). Specifications of the most widely used types of flow straighteners can be found in ISO 7194. Care shall be taken to ensure that the conditions of test will not be affected by the head losses associated with some straightening devices.

A.5 Pumps tested with fittings

If specified in the contract, standard tests can be carried out on a combination of a pump and

a) associated fittings at the final site installation, or

b) an exact reproduction thereof, or

c) fittings introduced for testing purposes and taken as forming part of the pump itself.

BSR/UL 217, Standard for Safety for Smoke Alarms

PROPOSAL

1. Uniformity of Operation Test

42.6 Uniformity of operation

~~42.6.2 The measured average sensitivity of the smoke alarms shall be within 25 percent of the marked sensitivity rating or range of the smoke alarm.~~

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BSR/UL 263, Standard for Fire Tests of Building Construction and Materials

1. Air-Dry Conditions for Test Assemblies with SFRM in UL 263

PROPOSAL

5.2A.9 For sprayed fire-resistive material, plaster and other similar materials, an air-dry condition ~~is to be confirmed by following the laboratory method described in ASTM E605, Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members~~ shall be determined to have been reached when successive weekly weighing of a representative specimen, prepared at the same time as the fire test specimen, indicates that the representative specimen has stopped losing weight. The representative specimen~~s~~ used to determine an air-dry condition ~~are~~ is to be maintained in the same environment as the fire test specimen.

NOTE: When the fire test specimen and representative specimen are being maintained in an environment that is not climate controlled, consideration shall be given that extended, excessive humidity (i.e. greater than 75 %) in the environment may require additional time (i.e. additional weeks) to confirm that the representative specimen has stopped losing weight.

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BSR/UL 2442, Standard for Safety for Wall and Ceiling Mounts and Accessories

PROPOSAL

78 General

78.2 The installation and operating instructions shall either be combined in a single manual or be separate manuals, and shall be packed with the mounting system.

Exception: The installation and operating instructions may be provided electronically through a web address. The web address shall be permanently marked on the product and shall include a statement indicating that the appropriate instructions can be viewed, downloaded, and printed at http://www.com/___/. The manufacturer shall supply the appropriate URL address where the actual instructions can be viewed, downloaded, and printed.

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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/21/2021	12/27/2021	Jan 7	2/6/2022	2/21/2022	3/8/2022
2	12/28/2021	1/3/2022	Jan 14	2/13/2022	2/28/2022	3/15/2022
3	1/4/2022	1/10/2022	Jan 21	2/20/2022	3/7/2022	3/22/2022
4	1/11/2022	1/17/2022	Jan 28	2/27/2022	3/14/2022	3/29/2022
5	1/18/2022	1/24/2022	Feb 4	3/6/2022	3/21/2022	4/5/2022
6	1/25/2022	1/31/2022	Feb 11	3/13/2022	3/28/2022	4/12/2022
7	2/1/2022	2/7/2022	Feb 18	3/20/2022	4/4/2022	4/19/2022
8	2/8/2022	2/14/2022	Feb 25	3/27/2022	4/11/2022	4/26/2022
9	2/15/2022	2/21/2022	Mar 4	4/3/2022	4/18/2022	5/3/2022
10	2/22/2022	2/28/2022	Mar 11	4/10/2022	4/25/2022	5/10/2022
11	3/1/2022	3/7/2022	Mar 18	4/17/2022	5/2/2022	5/17/2022
12	3/8/2022	3/14/2022	Mar 25	4/24/2022	5/9/2022	5/24/2022
13	3/15/2022	3/21/2022	Apr 1	5/1/2022	5/16/2022	5/31/2022
14	3/22/2022	3/28/2022	Apr 8	5/8/2022	5/23/2022	6/7/2022
15	3/29/2022	4/4/2022	Apr 15	5/15/2022	5/30/2022	6/14/2022
16	4/5/2022	4/11/2022	Apr 22	5/22/2022	6/6/2022	6/21/2022
17	4/12/2022	4/18/2022	Apr 29	5/29/2022	6/13/2022	6/28/2022
18	4/19/2022	4/25/2022	May 6	6/5/2022	6/20/2022	7/5/2022
19	4/26/2022	5/2/2022	May 13	6/12/2022	6/27/2022	7/12/2022
20	5/3/2022	5/9/2022	May 20	6/19/2022	7/4/2022	7/19/2022
21	5/10/2022	5/16/2022	May 27	6/26/2022	7/11/2022	7/26/2022
22	5/17/2022	5/23/2022	Jun 3	7/3/2022	7/18/2022	8/2/2022
23	5/24/2022	5/30/2022	Jun 10	7/10/2022	7/25/2022	8/9/2022
24	5/31/2022	6/6/2022	Jun 17	7/17/2022	8/1/2022	8/16/2022
25	6/7/2022	6/13/2022	Jun 24	7/24/2022	8/8/2022	8/23/2022
26	6/14/2022	6/20/2022	Jul 1	7/31/2022	8/15/2022	8/30/2022
27	6/21/2022	6/27/2022	Jul 8	8/7/2022	8/22/2022	9/6/2022
28	6/28/2022	7/4/2022	Jul 15	8/14/2022	8/29/2022	9/13/2022
29	7/5/2022	7/11/2022	Jul 22	8/21/2022	9/5/2022	9/20/2022

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31	7/19/2022	7/25/2022	Aug 5	9/4/2022	9/19/2022	10/4/2022
32	7/26/2022	8/1/2022	Aug 12	9/11/2022	9/26/2022	10/11/2022
33	8/2/2022	8/8/2022	Aug 19	9/18/2022	10/3/2022	10/18/2022
34	8/9/2022	8/15/2022	Aug 26	9/25/2022	10/10/2022	10/25/2022
35	8/16/2022	8/22/2022	Sep 2	10/2/2022	10/17/2022	11/1/2022
36	8/23/2022	8/29/2022	Sep 9	10/9/2022	10/24/2022	11/8/2022
37	8/30/2022	9/5/2022	Sep 16	10/16/2022	10/31/2022	11/15/2022
38	9/6/2022	9/12/2022	Sep 23	10/23/2022	11/7/2022	11/22/2022
39	9/13/2022	9/19/2022	Sep 30	10/30/2022	11/14/2022	11/29/2022
40	9/20/2022	9/26/2022	Oct 7	11/6/2022	11/21/2022	12/6/2022
41	9/27/2022	10/3/2022	Oct 14	11/13/2022	11/28/2022	12/13/2022
42	10/4/2022	10/10/2022	Oct 21	11/20/2022	12/5/2022	12/20/2022
43	10/11/2022	10/17/2022	Oct 28	11/27/2022	12/12/2022	12/27/2022
44	10/18/2022	10/24/2022	Nov 4	12/4/2022	12/19/2022	1/3/2023
45	10/25/2022	10/31/2022	Nov 11	12/11/2022	12/26/2022	1/10/2023
46	11/1/2022	11/7/2022	Nov 18	12/18/2022	1/2/2023	1/17/2023
47	11/8/2022	11/14/2022	Nov 25	12/25/2022	1/9/2023	1/24/2023
48	11/15/2022	11/21/2022	Dec 2	1/1/2023	1/16/2023	1/31/2023
49	11/22/2022	11/28/2022	Dec 9	1/8/2023	1/23/2023	2/7/2023
50	11/29/2022	12/5/2022	Dec 16	1/15/2023	1/30/2023	2/14/2023
51	12/6/2022	12/12/2022	Dec 23	1/22/2023	2/6/2023	2/21/2023
52	12/13/2022	12/19/2022	Dec 30	1/29/2023	2/13/2023	2/28/2023