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.

ASME (American Society of Mechanical Engineers)

Contact: Terrell Henry (212) 591-8489 ansibox@asme.org
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 www.asme.org

Revision

BSR/ASME B18.2.2-202x, Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series) (revision of ANSI/ASME B18.2.2-2015)

Stakeholders: Producers/manufacturers, users, distributors.
Project Need: The Standard will be revised to in order to add castle nuts specifications and expand Appendix A in addition to an overall review.
This Standard is intended to cover the complete general and dimensional data for the various types of inch-series square and hex nuts, including machine screw nuts and coupling nuts, addressed by this Standard.

ASME (American Society of Mechanical Engineers)

Contact: Terrell Henry (212) 591-8489 ansibox@asme.org
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 www.asme.org

Revision

BSR/ASME Y14.39-202x, Preferred Limits and Fits (revision, redesignation and consolidation of ANSI/ASME B4.1-1967 (R2020), ANSI/ASME B4.2-1978 (R2020))

Stakeholders: Designers, CAD users, inspectors. Manufacturing industries such as aerospace, automotive, maritime, and medical.
Project Need: The subcommittee plans to address modern applications of limits and fits, and convert existing data tables into newer more user friendly digital formats.
This standard describes the limits and fits for mating parts. It defines terminology, symbols, preferred base sizes (first and second choices), and preferred tolerances (first, second, and third choices). Tolerances for base sizes from 500 mm to 3150 mm are specified. Preferred limits and fits for sizes (first choice only) up to and including 20 in. and 500 mm are also included.

ASQ (American Society for Quality)

Contact: Julie Sharp (414) 272-8575 standards@asq.org
600 N Plankinton Ave, Milwaukee, WI 53203 www.asq.org

New Standard

ASQ/BSR G1-202x, Guidelines for Evaluating the Quality of Government Operations and Services (new standard)

Stakeholders: Industry, academia, government, and general interest.
Project Need: The fundamental customer need satisfied through adoption of this standard will be to develop a natural and on-going incentive for development, maintenance, and improvement of quality practices throughout government. This in turn will support sustainability of quality practices. Those involved in quality in government over multiple decades have observed that the abandonment of quality practices caused by a lack of constancy of purpose and the mobility of management (and political leadership) have been pervasive.
This document provides process and systems models that can be used for objective performance review and evaluation of government services, which will provide a relative ranking of the effectiveness and maturity of those processes and systems. These models will facilitate establishment and maintenance of quality management systems in government and encourage continual improvement. Also included are guidelines for qualification for evaluators of government services, using this standard.

ASTM (ASTM International)

Contact: Laura Klineburger (610) 832-9744 accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM E2886-202x, Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement (new standard)

Stakeholders: External Fire Exposures industries.
Project Need: This fire-test-response standard prescribes two individual methods to evaluate the ability of a gable end, crawl space (foundation) and other vents that mount on a vertical wall or in the under-eave area to resist the entry through the vent opening of embers and flame. The ability of such vents to completely exclude entry of flames or embers is not evaluated. Roof ridge and off-ridge (field) vents are excluded from this standard. Acceptance criteria are not provided in this standard.
This test method evaluates the ability of exterior vents that mount vertically or horizontally to resist the entry of embers and flame penetration through the vent.

ASTM (ASTM International)

Contact: Laura Klineburger (610) 832-9744 accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK74146-202x, New Practice for Toxicity Testing of Photovoltaic (PV) Modules by Waterjet Cutting Method for Use with EPA Method 1311 (new standard)

Stakeholders: Photovoltaic Electric Power Conversion industry.
Project Need: Solar photovoltaic (PV) modules in the United States reaching their end-of-life because of failure, underperformance, or breakage as a result of extreme weather have to be recycled or otherwise safely disposed of following the Resource Conservation and Recovery Act (RCRA) regulation. Broken PV modules may pose environmental and health risks through leaching of toxic chemicals and materials after landfilling. PV modules that contain hazardous materials such as lead and cadmium may contaminate ground and surface water.
The goal of this test method is to detail an unbiased and repeatable methodology with which to remove samples from photovoltaic (PV) modules for later toxicity characteristic leaching procedure (TCLP) testing.

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

Contact: Terry Burger (909) 519-0740 terry.burger@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

New Standard

BSR/ASSE 1101-202x, Water Treatment Products - Reducing Drinking Water Contaminants to the US EPAs Maximum Contaminant Level Goal (MCLG) (new standard)

Stakeholders: Drinking-water treatment industry, Center for Disease Control, Environmental Protection Agency, regulatory bodies.
Project Need: Under the National Primary Drinking Water Regulations (NPDWR), the US EPA is authorized to regulate the level of contaminates allowed in drinking water. The EPA has established maximum contaminate level goals (MCLG) and the maximum allowable contaminate level (MCL). Both are based on health concerns. MCL is the specified enforceable action level for contaminates. However, the MCL also takes into consideration the economic burden of treating the contaminate to the MCLG, and is typically higher than the MCLG. Recent studies have shown that a significant number of public water utilities had detectible contaminate levels which were below the MCL, but above the MCLG. There are water-treatment devices which use available technologies to reduce the exposure of contaminates to the MCLG. Presently, there are no standards available to validate the performance of treatment device to the level of MCLG. Any claims to this level of performance currently go unsubstantiated.
The scope of this standard is to provide performance measures and criteria for water treatment devices which are marketed as reducing contaminate levels to below the EPA Maximum Contaminate Level (MCL). This standard will evaluate these devices to the lower EPA maximum contaminate level goal (MCLG).

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH16.1-202X, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1-2012 (R2019))

Stakeholders: Manufacturers, distributors, installers, users, and consulting engineers.
Project Need: Provide guidance on the design and installation of industrial steel storage racks and align requirements with applicable building codes.
This standard applies to industrial steel storage racks, movable-shelf racks, rack-supported systems and automated storage and retrieval systems (stacker racks) made of cold-formed or hot-rolled steel structural members. Such rack types also include push-back rack, pallet-flow rack, case-flow rack, pick modules, and rack-supported platforms. This standard is intended to be applied to the design of the storage rack portion of any rack structure that acts as support for the exterior walls and roof, except as noted. It does not apply to other types of racks, such as drive-in or drive-through racks, cantilever racks, portable racks, or to racks made of material other than steel.

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH28.2-202X, Design, Testing, and Utilization of Industrial Boltless Steel Shelving (revision of ANSI MH28.2-2018)

Stakeholders: Manufacturers, distributors, installers, users, and consulting engineers.
Project Need: Provide guidance on the design and installation of industrial boltless steel shelving and align requirements with applicable building codes.
This standard applies to industrial steel boltless shelving; boltless shelving placed on mobile carriages; multi-level boltless shelving systems such as pick modules, catwalks, and deck-overs; and for boltless shelving used in conjunction with an automated storage and retrieval system (AS/RS). The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. This standard does not apply to the following: industrial steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), boltless shelving structures not fabricated from steel, industrial steel bin shelving, or shelving systems built with slotted metal angles.

MHI (Material Handling Industry)

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Revision

BSR MH28.3-202X, Design, Testing, and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2018)

Stakeholders: Manufacturers, distributors, installers, users, and consulting engineers.
Project Need: Provide guidance on the design and installation of work platforms and align with applicable building code requirements.
This standard industrial steel work platforms. An industrial steel work platform is typically a prefabricated free-standing non-building structure similar to a building with an elevated surface that utilizes a pre-designed framing system and is located within an industrial or similarly restricted environment. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, and engineered wood-products. This Standard is intended to be applied to the design, testing and utilization of such structures. Industrial steel work platforms are referred to in this standard as just “work platforms” or “platforms”. This standard does not apply to platforms whose structural framing components are not made from steel.

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

Stakeholders: Manufacturers, distributors, installers, users, and consulting engineers.
Project Need: Provide guidance on the manufacture and use of industrial turntables.
This standard applies to industrial turntables designed to rotate in the horizontal plane that are activated manually, or by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable, and manual or powered.They are generally used to rotate, position, feed, transfer, load, or unload materials only (not personnel). Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)

Stakeholders: Manufacturers, distributors, installers, engineers, architects, consultants.
Project Need: Provide guidance on the design, evaluation, and use of dock-leveling devices.
The purpose of this standard is to serve as the guide for designers, manufacturers, sellers, installers, owners, users, and governing bodies of dock levelers and to achieve the following objectives: to provide guidelines for the design and testing of dock leveling devices; to promote the understanding of the respective responsibilities of manufacturers, sellers, installers, owners, users, and governing bodies associated with dock-leveling devices; and to provide a uniform means of comparison for dock-leveling devices.

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Leveling Devices (revision of ANSI/MH30.2-2015)

Stakeholders: Manufacturers, distributors, installers, engineers, architects, consultants
Project Need: Provide guidance on the design, evaluation, and use of portable dock-leveling devices.
This standard defines performance and testing requirements for the design, use, and maintenance of portable dock-leveling devices. The purpose of this standard is to provide a uniform means of comparison, improve user confidence and knowledge and to define product requirements for portable dock-leveling devices. A portable-type dock-leveling device is not permanently affixed to either the transport vehicle or the dock structure, and is capable of being moved from one location to another by manual effort or by independently powered equipment. Portable dock-leveling devices are commonly referred to as dockboards or dockplates.

MHI (Material Handling Industry)

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8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH30.3-202X, Design, Testing, and Utilization of Portable Dock Leveling Devices (revision of ANSI/MH30.3-2015)

Stakeholders: Manufacturers, distributors, installers, engineers, architects, consultants
Project Need: Provide guidance on the design, evaluation, and use of vehicle-restraining devices associated with loading-dock operations.
This standard defines performance and testing requirements with regard to design, use, and maintenance of vehicle-restraining devices. The purposes of this standard are to provide a uniform means of comparison, to improve user confidence and knowledge, and to define requirements for vehicle-restraining devices.

MSS (Manufacturers Standardization Society)

Contact: Kaley Garubba (703) 281-6613 standards@msshq.org
127 Park Street, NE, Vienna, VA 22180-4602 www.mss-hq.org

Revision

BSR/MSS SP-138-202x, Quality Standard Practice for Oxygen Cleaning of Valves and Fittings (revision of ANSI/MSS SP-138 -2014)

Stakeholders: Chemical, petrochemical, air separation, and other oxygen-sensitive-related industries.
Project Need: Revises the existing document that continues to serve the industry well as an American National Standard. The purpose of this Standard Practice is to provide standard methods for processing valves and fittings intended to be used for Oxygen Service. The proper combination of methods depends upon the part, its method of manufacture, and the types of contamination present. It is recommended that, prior to implementation of this Standard Practice, an agreement be reached between the purchaser and the product manufacturer as to the appropriate methods to be used for the product to be cleaned. This Standard Practice outlines the general requirements for cleaning, inspection, testing, and packaging of valves and fittings intended to be used for Oxygen Service. Proper design and material compatibility for Oxygen systems is outside the scope of this Standard Practice.

NEMA (ASC C137) (National Electrical Manufacturers Association)

Contact: Michael Erbesfeld (703) 841-3262 Michael.Erbesfeld@nema.org
1300 N 17th St Suite 900, Rosslyn, VA 22209 www.nema.org

New National Adoption

BSR/C137.63103-202X, Standard for Lighting Systems - Adoption of IEC 63103 Lighting Equipment-Non-Active Mode Power Measurement (national adoption with modifications of IEC 63103)

Stakeholders: Producers, users, general interest.
Project Need: This standard is needed for a reliable, repeatable, and accurate power measurement of lighting equipment and calculation of lighting systems power in non-active modes such as standby and other low-power modes of operation.
An adoption of the IEC 63103 Standard as a Nationally Acknowledged International Standard (NAIS) with regional deviations. The scope of IEC 63103 states in part: “This document specifies methods of measurement of electrical power consumption in nonactive mode(s), as applicable for electrical lighting equipment. This includes electrical lighting equipment incorporating non-illumination components.”

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Deborah Dodson (770) 209-7278 standards@tappi.org
15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 www.tappi.org

Revision

BSR/TAPPI T 402 sp-202x, Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products (revision of ANSI/TAPPI T 402 sp-2013)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: Five-year review of existing ANS (Reaffirm existing ANS). To conduct required five-year review of an existing TAPPI/ANSI Standard.
This standard practice defines the standard atmospheres for normal preconditioning, conditioning, and testing of paper and paper products, paperboard, fiberboard, and containers made from them. It also specifies procedures for handling these materials in order that they may reach equilibrium with the respective atmosphere. This standard practice is also applicable to standard pulp test handsheets, except that the preconditioning procedure is omitted, that is, the sheets are not dried to conditions below those obtained by exposure to the standard conditioning and testing atmospheres. (See TAPPI T 205 “Forming Handsheets for Physical Tests of Pulp.”) This standard practice does not include special conditioning and testing atmospheres, such as those that attempt to simulate tropical or arctic environments.

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Deborah Dodson (770) 209-7278 standards@tappi.org
15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 www.tappi.org

Revision

BSR/TAPPI T 459 om-202x, Surface strength of paper (wax pick test) (revision of ANSI/TAPPI T 459 om-2013)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: Five-year review of existing ANS (Reaffirm existing ANS). To conduct required five-year review of an existing TAPPI/ANSI Standard.
This method, applicable to uncoated and coated papers, is designed to measure the surface strength of paper or its resistance to picking. It is not applicable to loosely felted papers such as blotters or roofing felts, nor to papers containing materials that soften with heat such as waxes or latex-type additives. Lightweight papers that lack stiffness may slip under the block during the wax removal step are not suitable for testing by this procedure.

TCIA (ASC A300) (Tree Care Industry Association)

Contact: Aiden OBrien (603) 314-5380 aobrien@tcia.org
670 N Commercial Street, STE 201, Manchester, NH 03101 www.treecareindustry.org

Revision

BSR A300 Part 1-202x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Pruning) (revision of ANSI A300 Part 1-2017)

Stakeholders: Tree Care industry, Green industry, arborists, Land Care industry, landscape architects, property managers, utilities, urban planners, consumers, government agencies.
Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2017.
A300 (Part 1) Pruning standards are performance standards for the pruning of trees, shrubs, palms, and other woody plants. It is a guide for drafting supplemental support system specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

TCIA (ASC A300) (Tree Care Industry Association)

Contact: Aiden OBrien (603) 314-5380 aobrien@tcia.org
670 N Commercial Street, STE 201, Manchester, NH 03101 www.treecareindustry.org

Revision

BSR A300 Part 9-202x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Tree Risk Assessment) (revision of ANSI A300 Part 9-2017)

Stakeholders: Tree Care industry, Green industry, arborists, Land Care industry, landscape architects, property managers, utilities, urban planners, consumers, government agencies.
Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2017.
A300 (Part 9) Tree Risk Assessment standards provide performance standards for the practice of tree risk assessment, and to guide the development of written specifications, best practices, training materials, regulations, and other performance measures. It is a guide for drafting work specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

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: November 1, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 42-202x (i106r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

Revision

BSR/NSF 49-202x (i159r1), Biosafety Cabinetry:Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

Comment Deadline: November 1, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 50-202x (i162r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2019)

This Standard covers materials, chemicals, components, products, equipment, and systems, related to public and residential recreational water facility operation.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 53-202x (i124r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2019)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking-water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 244-202x (i10r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244 -2019)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This Standard establishes requirements for POU and POE drinking-water treatment systems, and the materials and components used in these systems.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 401-202x (i18r2), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2019)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking-water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

Comment Deadline: November 1, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 455-2-202x (i3r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 455-2-202x (i8r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.

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NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 455-4-202x (i14r3), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality to ensure suitability for intended use.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: rbrooker@nsf.org

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4417 61017 w: https://ul.org/

Revision

BSR/UL 330-202x, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2019)

Proposed joint standard for Standard for Hose and Hose Assemblies for Dispensing Flammable and Combustible Liquids, UL 330, as a National Standard of Canada and an American National Standard.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: November 1, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1636 w: https://ul.org/

Revision

BSR/UL 458-202X, Standard for Safety for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts (revision of ANSI/UL 458-2015)

(2) Revision to scope.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1851 w: https://ul.org/

Revision

BSR/UL 844-202x, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations (revision of ANSI/UL 844 -2020)

This proposal for UL 844 covers: Revisions to Clause 2.1 and Clause 42.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1479 w: https://ul.org/

Revision

BSR/UL 1004-9-202x, Standard for Safety for Form Wound and Medium Voltage Rotating Electrical Machines (revision of ANSI/UL 1004-9-2016)

The following is proposed: (1) Remove reference to UL 508C, and (2) Editorial corrections to Table 6.1.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1479 w: https://ul.org/

Revision

BSR/UL 2201-202x, Standard for Safety for Carbon Monoxide (CO) Emission Rate of Portable Generators (revision of ANSI/UL 2201-2018)

This recirculation proposal withdraws the UL 2201 proposal dated 3-6-20.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4271 w: https://ul.org/

Revision

BSR/UL 2237-202x, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (revision of ANSI/UL 2237-2019)

This proposal covers the addition of requirements for markings and instructions in Section 48.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: November 16, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

BSR/ASB BPR 008-202x, Mass Fatality Scene Processing: Best Practice Recommendations for the Medicolegal Authority (new standard)

Provides definitions, guidelines, and best practices for the detection, processing, and recovery of physical and contextual evidence associated with mass fatality disaster scenes to ensure that evidence is carefully and consistently documented, and recovered in situ. This document focuses on terrestrial scenes that do not involve a significant hazardous materials component. The purpose of these guidelines is to ensure that appropriate strategies are followed for the search and documentation of the scene, and the recovery of human remains, personal effects, and other probative evidence, while maintaining the chain-of-custody of all items, and ensuring that all areas associated with the scene are processed in a systematic manner.

Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

BSR/ASB Std 013-202x, Standard for Friction Ridge Examination - Conclusions (new standard)

Defines terms and establishes qualitative expressions for the categories of conclusions that may be reached following friction ridge comparisons. For the purpose of this document, conclusions are defined as expert opinions based on the friction ridge detail and information under observation and interpreted using acquired knowledge, skill, and experience of a friction ridge examiner. This standard does not cover the following topics:
- conclusions derived directly from and entirely dependent upon validated probability models or quantitative processes;
- the manner by which examiners arrive at their assessments of the strength or weight of the findings with respect to the source of the questioned impression;
- suitability determinations rendered on a friction ridge impression;
- documentation of conclusions; and
- how an agency or other forensic service provider (FSP) will define or validate the criteria used for selecting source conclusions.

Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

Comment Deadline: November 16, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

BSR/ASB Std 134-202x, Standard for Analyzing Pathological Conditions and Anomalies in Forensic Anthropology (new standard)

Sets forth techniques and approaches for describing, documenting, interpreting, and reporting pathological conditions and anomalies from skeletal and dental material and/or radiographic images. This document does not provide guidance for distinguishing between anomalies and normal skeletal variation, nor does it address cause and manner of death classification or skeletal trauma. NOTE: Please note that comments on a re-circulation will only be accepted on revised sections of a document; comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website http://www.asbstandardsboard.org/ free of charge
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

BSR/ASB Std 146-202x, Standard for Resolving Commingled Remains in Forensic Anthropology (new standard)

Provides the procedures and requirements for resolving commingled remains. The techniques presented include size, age, and sex similarities, articulation between skeletal elements, taphonomic similarities, and reconstruction of fragmentary remains. The document also describes the determination of MNI (Minimum Number of Individuals), as well as the LI (Lincoln Index) and MLNI (Most Likely Number of Individuals), based on the number of paired and unpaired bones.

Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//
Order from: Document will be provided electronically on AAFS Standards Board website http://www.asbstandardsboard.org/ free of charge
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

Revision

BSR/ADA Standard No. 2000.4-202x, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.3-2019)

SNODENT provides a needed standardized code set for the representation of clinical oral health descriptions captured by dentists that is interoperable across healthcare systems and with electronic health record systems. SNODENT is a clinical terminology designed for use with electronic health records that enables the capture and analysis of detailed oral health data, including oral anatomical sites, oral health conditions, findings, and other clinical concepts unique to dentistry.

Single copy price: $155.00
Obtain an electronic copy from: standards@ada.org
Order from: Paul Bralower (312) 587-4129 bralowerp@ada.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 16, 2020

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 p: (847) 704-6285 w: www.amca.org

Revision

BSR/AMCA Standard 220-202x, Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating (revision and redesignation of ANSI/AMCA 220-2005 (R2012))

Covers the performance testing of air curtain units. The purpose of this standard is to establish uniform methods for laboratory testing of air curtain units to determine aerodynamic performance in terms of airflow rate, outlet air velocity uniformity, electrical power consumption, and air velocity projection, for rating, guarantee, or code compliance purposes. It is not the purpose of this standard to specify the testing procedures to be used for design, production, or field testing.

Single copy price: $45.00 (AMCA Members); $90.00 (Non-members)
Obtain an electronic copy from: shrutik@amca.org
Order from: Shruti Kohli-Bhargava, AMCA International, Inc., 30 West University Drive, Arlington Heights, IL 60004
Send comments (with optional copy to psa@ansi.org) to: shrutik@amca.org

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE AD20966-2007 MAR2016 (R202x), Automatic milking installations - Requirements and testing (reaffirmation of ANSI/ASABE AD20966:2007 MAR2016)

Installation and testing requirements regarding automatic milking machines.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE AD3918-2007 JAN2011 (R202x), Milking machine installations - Vocabulary (reaffirmation of ANSI/ASABE AD3918-2007 JAN2011 (R2016))

Defines terms to use in research work, official regulations, design, manufacture, installation, and use of milking machines for cows, water buffaloes, sheep, goats, or other mammals used for milk production.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE AD5707-2007 MAR2016 (R202x), Milking machine installations - Construction and performance (reaffirmation and redesignation of ANSI/ASABE AD5707:2007 MAR2016)

Specifies the minimum performance and information requirements and certain dimensional requirements for satisfactory functioning of milking machines for milking and cleaning. It also specifies minimum requirements for materials, design, manufacture, and installation.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 16, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE AD6690-2007 JAN2011 (R202x), Milking machine installations - Mechanical tests (reaffirmation of ANSI/ASABE AD6690-2007 JAN2011 (R2015))

Specifies mechanical tests for milking machine installations in order to verify compliance of an installation or component with the requirements of ISO 5707. Applicable for testing new installations and for periodic checking of installations for efficiency of operation.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE S588.1-NOV16 (R202x), Uniform Terminology for Air Quality (reaffirmation of ANSI/ASABE S588.1-NOV16)

Establishes uniformity in terms used within the field of outdoor rural air quality.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE S592.1-2016 (R202x), Best Management Practices for Boom Spraying (reaffirmation of ANSI/ASABE S592.1-2016)

The standard codifies the most basic of spray application best management practices (BMPs).

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE S596-2006 (R202x), Recycling Plastic Containers from Pesticides and Pesticide-Related Products (reaffirmation of ANSI/ASABE S596-2006 (R2015))

Guide agricultural chemical manufacturers, distributors, and applicators; plastic recyclers; and regulatory agencies in the effective handling, storage, disposal, and recycling of non-refillable, high-density polyethylene (HDPE) containers for agricultural pesticides and surfactants while enhancing safety.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 16, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE S626-SEPT2016 (R202x), Landscape Irrigation System Uniformity and Application Rate Testing (reaffirmation of ANSI/ASABE S626-SEPT2016)

Defines and establishes a set of procedures to evaluate and measure the performance of irrigation emission devices once installed in the landscape including but not limited to: turfgrass lawn areas and landscape planting beds.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASAE EP403.4 FEB2011 (R202x), Design of Anaerobic Lagoons for Animal Waste (reaffirmation of ANSI/ASAE EP403.4-FEB-2011 (R2015))

This engineering practice describes the minimum criteria for design and operation of anaerobic animal waste lagoons located in predominantly rural or agricultural areas.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASAE S261.7-OCT96 (R202x), Design and Installation of Nonreinforced Concrete Irrigation Pipe Systems (reaffirmation of ANSI/ASAE S261.7-OCT96 (R2015))

Intended as a guide to engineers in the design and installation of low or intermediate pressure nonreinforced concrete irrigation pipelines and for the preparation of detailed specifications for a particular installation. It is restricted to pipelines with vents or stands open to the atmosphere or closed pipelines operating at less than 6 m (20 ft) of head. It is not intended to serve as a complete set of design criteria and construction specifications

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASAE S376.3-2016 (R202x), Design, Installation and Performance of Underground, Thermoplasic Irrigation Pipes (reaffirmation of ANSI/ASAE S376.3-2016)

Applies to underground, thermoplastic pipelines used in the conveyance of irrigation water to the point of distribution and may or may not apply to potable water systems.

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 16, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: https://www.asabe.org/

Withdrawal

ANSI/ASAE S377-1990 (R2015), Application of Remote Linear Control Devices to Lawn and Garden Ride-On Tractor - Attachments and Implements (withdrawal of ANSI/ASAE S377-1990 (R2015))

Establishes common mounting and clearance dimensions for remote linear control devices as applied to lawn and garden ride-on tractor attachments and implements with such other specifications as are necessary to accomplish the following objectives: (1) To permit use of any make or model of attachment or implement adapted for control by a remote linear control device; and (2) To facilitate changing the remote linear control device from one attachment or implement to another.

Single copy price: $48.00 (ASABE Members); $68.00 (Non-members)
Obtain an electronic copy from: vangilder@asabe.org
Order from: Carla VanGilder (269) 932-7015 vangilder@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 p: (703) 295-6176 w: www.asce.org

New Standard

BSR/ASCE/CI 71-202x, Identifying, Quantifying, and Proving Loss of Productivity (new standard)

Managing labor productivity is a crucial component of project success. Because labor costs are typically the most variable and a major component of overall project cost, tracking, and measuring labor productivity is helpful in preventing, mitigating, and recovering cost overruns. The numerous published treatises and studies on loss of productivity in the construction industry highlight its importance. Despite that importance, there are inconsistencies in the methodologies used to identify, quantify, and determine causation and liability for labor productivity losses.

Single copy price: Free
Obtain an electronic copy from: jneckel@asce.org
Order from: James Neckel (703) 295-6176 jneckel@asce.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

1791 Tullie Circle NE, Atlanta, GA 30329 p: (678) 539-2114 w: www.ashrae.org

New Standard

BSR/ASHRAE Standard 15.2P-202x, Safety Standard for Refrigeration Systems in Residential Applications (new standard)

Specifies the minimum requirements for the safe design and installation of refrigeration systems used in residential applications. The first public review draft for this standard received over 145 comments. For this second public review draft, more than one hundred of these comments have been incorporated to improve the standard, resulting in the revision of many of the standard sections.

Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: November 16, 2020

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 768-3411 w: www.assp.org

New National Adoption

BSR/ASSP/ISO/IEC TS 17021-10-202x, Conformity Assessment - Requirements for Bodies Providing Audit and Certification of Management Systems - Part 10: Competence Requirements for Auditing and Certification of Occupational Health and Safety Management Systems (national adoption with modifications of ISO/IEC TS 17021-10:2018)

This document specifies additional competence requirements for personnel involved in the audit and certification process for an occupational health and safety (OH&S) management system and complements

Single copy price: Free
Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org
Order from: Tim Fisher (847) 768-3411 TFisher@ASSP.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 699-2929 w: www.assp.org

Revision

BSR/ASSP Z359.14-202x, Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems (revision and redesignation of ANSI/ASSE Z359.14-2014)

Establishes requirements for the performance, design, qualification testing, markings and instructions, inspections, maintenance and storage, and removal from service of self-retracting devices (SRDs) including self-retracting lanyards (SRLs), self-retracting lanyards with integral rescue capability (SRL-Rs), and self-retracting lanyards, personal (SRL-Ps). This standard establishes requirements for SRDs intended for use in personal fall arrest or rescue systems for authorized persons within the capacity range of 130 to 310 pounds (59 to 141kg).

Single copy price: $110.00
Obtain an electronic copy from: OMunteanu@assp.org
Order from: Ovidiu Munteanu (847) 699-2929 OMunteanu@ASSP.org
Send comments (with optional copy to psa@ansi.org) to: Same

AWWA (American Water Works Association)

6666 W. Quincy Ave., Denver, CO 80235 p: (303) 347-6178 w: www.awwa.org

New Standard

BSR/AWWA C514-202x, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard)

Describes 1-in. (25-mm) through 12-in. (300-mm) air valve and vent inflow preventer assemblies designed for use on the outlet of potable water distribution system air valves furnished in accordance with ANSI/AWWA C512 or storage facility vent pipes.

Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: AWWA, Vicki David (303) 347-3431 vdavid@awwa.org
Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul Olson (303) 347-6178 polson@awwa.org

AWWA (American Water Works Association)

6666 W. Quincy Ave., Denver, CO 80235 p: (303) 347-6178 w: www.awwa.org

Reaffirmation

BSR/AWWA G481-2014 (R202x), Reclaimed Water Program Operation and Management (reaffirmation of ANSI/AWWA G481-2014)

Describes the critical requirements for the effective operation and management of a reclaimed water program.

Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: AWWA, Vicki David (303) 347-3431 vdavid@awwa.org
Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul Olson (303) 347-6178 polson@awwa.org

Comment Deadline: November 16, 2020

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

Revision

BSR/HL7 V3 RCL, R3-202x, HL7 Version 3 Standard: Refinement, Constraint and Localization to Version 3 Messages, Release 2 (revision and redesignation of ANSI/HL7 V3 RCL R2-2007 (R2015))

This version updates the language regarding found in Release 1 regarding conformance, clarifies constraint and refinement rules, and updates localization allowances. Changes reflect updates to sections 1.1, 2.1, 2.2, and 2.7. Introduced new section 2.4.3. Also various typographical and minor editorial corrections have been made.

Single copy price: Free
Obtain an electronic copy from: Karenvan@HL7.org
Order from: Karen Van Hentenryck (313) 550-2073 104 Karenvan@HL7.org
Send comments (with optional copy to psa@ansi.org) to: Karenvan@HL7.org

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

Revision

BSR/HL7CDARSIG HAIRPT, R3-US Realm-202x, HL7 CDA® R2 Implementation Guide: Healthcare Associated Infection Reports, Release 3 - US Realm (revision and redesignation of ANSI/HL7 CDAR2IG HAIRPT, R2-2015)

The implementation guide supports electronic submission of HAI data to the National Healthcare Safety Network. This release includes a new Antimicrobial Resistance form data element and moves most of the vocabulary from the existing spreadsheet to VSAC.

Single copy price: Free
Obtain an electronic copy from: Karenvan@HL7.org
Order from: Karen Van Hentenryck (313) 550-2073 104 Karenvan@HL7.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (909) 519-0740 w: www.asse-plumbing.org

Reaffirmation

BSR/ASSE 1010-2004 (R202x), Performance Requirements for Water Hammer Arresters (reaffirmation of ANSI/ASSE 1010 -2004)

Water hammer arresters (referred to in their standard as “device”) are installed on water distribution system piping to prevent detrimental surge pressures within water distribution systems, thereby prolonging the service life of valves, piping, fittings, trim, equipment, appliances, appurtenances, and other devices which are part of the distribution system; and to eliminate noise. This standard addresses the test methods and performance requirements for water hammer arresters.

Single copy price: $45.00
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Order from: Terry Burger (909) 519-0740 terry.burger@asse-plumbing.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (909) 519-0740 w: www.asse-plumbing.org

Revision

BSR/ASSE 1022-202x, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (revision of ANSI/ASSE 1022-2017)

The purpose of the project is to remove non-performance language from the standard, such as sample planning.

Single copy price: $45.00
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

Comment Deadline: November 16, 2020

MHI (ASC MHC) (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 p: (704) 714-8755 w: www.mhi.org

Revision

BSR MH10.8.2-202X, Data Identifier and Application Identifier Standard (revision of ANSI MH10.8.2-2016)

Provides a comprehensive dictionary of data identifiers (DIs), and provides for the assignment of new DIs, when required. A DI is a specified character or string of characters that defines the general category or intended use of the data that follows. DIs can be used in used in automatic identification and data capture (AIDC), Internet of Things (IoT), Blockchain, or other similar applications. DIs described in this document consist of a capital letter (A through Z), optionally preceded by one-, two-, or three digits (0 through 9). DIs are succeeded by a string of letters, numbers, and/or symbols of a length and composition that can vary from DI to DI, which encode specific information pertinent to the item being encoded.

Single copy price: Free
Obtain an electronic copy from: pdavison@mhi.org
Order from: Patrick Davison (704) 714-8755 pdavison@mhi.org
Send comments (with optional copy to psa@ansi.org) to: Same

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Alexandria, VA 22314 p: (703) 838-0083 ext 155 w: www.PHTA.org

Revision

BSR/PHTA/ICC-7-202x, Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins (revision and redesignation of ANSI/APSP 7-2013)

Establishes anti-entrapment performance requirements for public and residential swimming pools, wading pools, field-constructed spas and hot tubs, and any other bather-accessible body of water, including but not limited to, catch pools, infinity edge basins, and water features that contain a skimmer, fully submerged Suction Outlet Fitting Assembly (SOFA) or vacuum port fitting.

Single copy price: Free
Obtain an electronic copy from: standards@phta.org
Send comments (with optional copy to psa@ansi.org) to: standards@phta.org

TCIA (ASC A300) (Tree Care Industry Association)

670 N Commercial Street, STE 201, Manchester, NH 03101 p: (603) 314-5380 w: www.treecareindustry.org

Revision

BSR A300 (Part 4)-202x, Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 Part 4-2014)

A300 (Part 4) Lightning Protection Systems standards are performance standards that apply to the installation and maintenance of lightning protection systems in trees. It is a guide in the drafting of work project specifications for consumers as well as federal, state, municipal and private authorities including property owners, property managers, and utilities.

Single copy price: Electronic copy -Free; Paper copies - $15.00 each for S&H
Obtain an electronic copy from: Public review draft can be found at www.tcia.org/A300Standards-CurrentProjects
Send comments (with optional copy to psa@ansi.org) to: Submit comments online at www.tcia.org/A300Standards-CurrentProjects

Comment Deadline: November 16, 2020

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4297 w: https://ul.org/

Revision

BSR/UL 4-202X, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2018)

Addition of test references to the Standard for Wire and Cable Test Methods, UL 2556; Proposed marking changes with respect to limited or low smoke; Revised 17.6.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2850 w: https://ul.org/

Revision

BSR/UL 486C-202x, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2019)

(1) Remove "Number of Strands" from marking requirement; (2) Sizing and lubricating bushings during secureness test; (3) Add specification that the current-cycling test shall be performed with a 60-Hz ac source; (4) Testing with aluminum wire with AA-8000 alloy conductors; (5) Flash-Over Test for push-in wire connectors; (6) Exothermically welded splicing wire connectors.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2850 w: https://ul.org/

Revision

BSR/UL 486A-486B-202x, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2019)

(1) Remove "Number of Strands" from the marking requirement; (2) Add specification that the Current-Cycling Test shall be performed with an 60-Hz ac source; (3) Sizing and lubricating bushings during Secureness Test; (4) Correction to Table 13; (5) Testing with metric and non-standard size conductors; (6) Testing with aluminum wire with AA-8000 alloy conductors; (7) Use of shear head bolts; (8) Sample length change; (9) Exothermically welded wire connectors.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: December 1, 2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

INCITS/ISO/IEC 14165-226:2020 [202x], Information technology - Fibre channel - Part 226: Single-byte command code sets mapping protocol - 6 (FC-SB-6) (identical national adoption of ISO/IEC 14165-226:2020)

Describes a communication interface between a channel and I/O control units that utilize the Single-Byte Command Code Sets (SBCCS) as implemented in a wide range of data processing systems. It employs information formats and signaling protocols that provide a uniform means for communicating with various types of I/O control units, facilitating a high bandwidth, high performance, and long-distance information exchange environment.

Single copy price: $232.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (with optional copy to psa@ansi.org) to: comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

INCITS/ISO/IEC 14165-246:2019 [202x], Information technology - Fibre channel - Part 246: Backbone - 6 (FC-BB-6) (identical national adoption of ISO/IEC 14165-246:2019)

This standard consists of distinct Fibre Channel mappings resulting in the following models: FC-BB_IP (FC over TCP/IP backbone network). Transparent FC-BB consisting of: FC-BB_GFPT (FC over SONET/SDH/OTN/PDH backbone network using GFPT adaptation), FC-BB_PW (FC over MPLS network using PW adaptation), FC-BB_E (FC over Ethernet).

Single copy price: $232.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (with optional copy to psa@ansi.org) to: comments@standards.incits.org

NIRMA (Nuclear Information and Records Management Association)

245 Sunnyridge Avenue, #41, Fairfield, CT 06824 p: (203) 345-7237 w: https://www.nirma.org

Revision

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/NIRMA CM 1.0-202x, Guidelines for Configuration Management of Nuclear Facilities (revision of ANSI/NIRMA CM 1.0 -2007 (R2015))

This standard provides guidance on development and maintenance of Configuration Management (CM) Programs for nuclear facilities. The proposed revision incorporates enhancements that: (a) clarify the meaning and intent of terms specific to nuclear facility operators in the US to enable appropriate interpretation and use by members of the international nuclear community and (b) provide additional guidance and examples of how various CM Program elements and associated principles may be implemented for nuclear facilities

Single copy price: Free
Obtain an electronic copy from: Sarah Perkins NIRMA Administrator nirma@nirma.org
Order from: Sarah Perkins (203) 345-7237 NIRMA@nirma.org
Send comments (with optional copy to psa@ansi.org) to: Same

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 the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

B11 (B11 Standards, Inc.)

PO Box 690905, Houston, TX 77269-0905 p: (832) 446-6999 w: https://www.b11standards.org/

B11.TR10, Functional Safety of Artificial Intelligence for Machinery Applications (technical report)

This Technical Report provides guidance for the:
- implementation of functional safety principles in artificial intelligence (AI) programming when used as a means for machinery safety applications;
- effective communication between functional safety personnel (who provide the primary technical knowledge of the machine system hazards and the application of risk reduction measures) and data scientists/programmers with no or limited machine system knowledge but who understand the capabilities and limitations of the AI system.

Single copy price: $99.00
Order from: dfelinski@b11standards.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.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 901 (SI)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 901 (SI)-2015): 9/24/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 13M-4/ISO 13503-4-2006 (R2020), API Recommended Practice for Measuring Stimulation and Gravel-pack Fluid Leakoff Under Static Conditions, 1st Edition (reaffirmation of ANSI/API RP 13M/ISO 13503-4-2006): 9/22/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 13I/ISO 10416-2008 (R2020), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation of ANSI/API RP 13I/ISO 10416-2008): 9/22/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 19D/ISO 13503-5-2007 (R2020), Measuring the Long-Term Conductivity of Proppants, 1st Edition (reaffirmation of ANSI/API RP 19D/ISO 13503-5-2007): 9/22/2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

ANSI/ASME B31.3-2020, Process Piping (revision of ANSI/ASME B31.3-2018): 9/29/2020

* BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 p: (202) 326-6338 w: www.boma.org

Revision

ANSI/BOMA Z65.1-2017, BOMA 2017 for Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2010): 9/12/2017

* CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

Revision

ANSI/CTA 2042.1-C-2020, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015): 9/22/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: https://dentalstandardsinstitute.com/

New Standard

ANSI/DSI MST1.1-2020, Definitions of Terms In Dental Metrics (new standard): 9/24/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: https://dentalstandardsinstitute.com/

New Standard

ANSI/DSI VRST1.1-2020, Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard): 9/24/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-75B-2020, Lightning Strike Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-75A-2009 (R2015)): 9/28/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-80A-2020, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-80-2015): 9/28/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

New Standard

ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard): 9/23/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

Revision

ANSI/FCI 99-1-2020, Standard for Performance Testing of Secondary Pressure Drainers (revision of ANSI/FCI 99-1-2014): 9/24/2020

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (708) 995-3017 w: www.asse-plumbing.org

Revision

ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (revision of ANSI/ASSE 1008-2019): 9/23/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO 19136-1:2020 [2020], Geographic Information - Geography Markup Language (GML) - Part 1: Fundamentals (identical national adoption of ISO 19136-1:2020 and revision of INCITS/ISO/IEC 19136:2007 [R2015]): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 11770-4:2017/AM 1:2019 [2020], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC) (identical national adoption of ISO/IEC 11770-4:2017/Amd1:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 18033-6:2019 [2020], IT Security techniques - Encryption algorithms - Part 6: Homomorphic encryption (identical national adoption of ISO/IEC 18033-6:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 19086-4:2019 [2020], Cloud computing - Service level agreement (SLA) framework - Part 4: Components of security and of protection of PII (identical national adoption of ISO/IEC 19086-4:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 20071-11:2019 [2020], Information Technology - User Interface Component Accessibility - Part 11: Guidance on Text Alternatives for Images (identical national adoption of ISO/IEC 20071-11:2019): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-6:2019 [2020], Information technology - Lightweight cryptography - Part 6: Message authentication codes (MACs) (identical national adoption of ISO/IEC 29192-6:2019): 9/28/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption
INCITS/ISO/IEC 29192-7:2019 [2020], Information security - Lightweight cryptography - Part 7: Broadcast authentication protocols (identical national adoption of ISO/IEC 29192-7:2019): 9/28/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption
INCITS/ISO/IEC 29794-4:2017 [2020], Information Technology - Biometric Sample Quality - Part 4: Finger Image Data (identical national adoption of ISO/IEC 29794-4:2017): 9/24/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption
INCITS/ISO/IEC 7810:2019 [2020], Identification Cards - Physical Characteristics (identical national adoption of ISO/IEC 7810:2019 and revision of INCITS/ISO/IEC 7810:2003 [R2018]): 9/24/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption
INCITS/ISO/IEC 27019:2017 [2020], Information technology - Security techniques - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2017): 9/28/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption
INCITS/ISO/IEC 27102:2019 [2020], Information security management - Guidelines for cyber-insurance (identical national adoption of ISO/IEC 27102:2019): 9/28/2020

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New Standard
INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4) (new standard): 9/28/2020

NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3234 w: www.nema.org

Revision
ANSI C136.34-2020, Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014): 9/22/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.LL3-2003 (S2020), Electric Lamps - Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.379-2006 (S2020), Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.390-2006 (S2020), Electric Lamps- Method of Designation for Electric Lamps - Miniature and Sealed-Beam Incandescent Lamps (stabilized maintenance of ANSI C78.390-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.LL1256-2003 (S2020), Electric Lamps - Procedures for Fluorescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL1256-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1406-2004 (S2020), Electric Lamps - P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1407-2004 (S2020), Electric Lamps - Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1408-2004 (S2020), Electric Lamps - CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1452-2004 (S2020), Electric Lamps - Projection Lamps - Vocabulary (stabilized maintenance of ANSI C78.1452 -2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1460-2004 (S2020), Electric Lamps - Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015)): 9/28/2020

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Reaffirmation

ANSI/NEMA WC 61-1992 (R2020), Transfer Impedance Testing (reaffirmation of ANSI/NEMA WC 61-1992 (R2015)): 9/22/2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

New National Adoption

ANSI/NEMA/IEC 60529-2020, Degrees of Protection Provided by Enclosures (IP Code) (identical national adoption of IEC 60529:1989/AMD2:2013/COR1:2019 and revision of ANSI/IEC 60529-2004 (R2011)): 9/23/2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

ANSI/NSF 46-2020 (i34r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2018): 9/20/2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

ANSI/UL 414-2020a, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2020): 9/23/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: https://ul.org/

Revision

ANSI/UL 1180-2020, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180 -2017): 9/28/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1479 w: https://ul.org/

Revision

ANSI/UL 2200-2020, Standard for Safety for Stationary Engine Generator Assemblies (9-20-19 and 5-1-20) (revision of ANSI/UL 2200-2015): 9/29/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: https://ul.org/

Revision

ANSI/UL 2416-2020, Standard for Safety for Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems (revision of ANSI/UL 2416-2019): 9/28/2020

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Alexandria, VA 22314 p: 585-387-9913 w: www.z80asc.com

Reaffirmation

ANSI Z80.29-2015 (R2020), Ophthalmics - Accomodative Intraocular Lenses (reaffirmation of ANSI Z80.29-2015): 9/28/2020

American National Standards Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standa 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 Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment 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 Standards Action Editor at standact@ansi.org.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
p: (719) 453-1036
www.aafs.org

ADA (Organization)
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
p: (312) 587-4129
www.ada.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
p: (703) 293-4887
www.ahrinet.org

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004-1893
p: (847) 704-6285
www.amca.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
p: (202) 682-8286
www.api.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
p: (269) 757-1213
https://www.asabe.org/

ASCE
American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
p: (703) 295-6176
www.asce.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
p: (678) 539-2114
www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
p: (212) 591-8489
www.asme.org

ASQ
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
p: (414) 272-8575
www.asq.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
p: (847) 699-2929
www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428 -2959
p: (610) 832-9744
www.astm.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
p: (303) 347-6178
www.awwa.org

B11
B11 Standards, Inc.
PO Box 690905
Houston, TX 77269-0905
p: (832) 446-6999
https://www.b11standards.org/

BOMA
Building Owners and Managers Association
1101 15th Street, NW
Suite 800
Washington, DC 20005
p: (202) 326-6338
www.boma.org

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
p: (703) 907-7697
www.cta.tech

DSI
Dental Standards Institute, Inc.
109 Bushaway Road
Suite 100
Wayzata, MN 55391
p: (763) 290-0004
https://dentalstandardsinstitute.com/

ECIA
Electronic Components Industry Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
p: (571) 323-0294
www.ecianow.org

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
p: (216) 241-7333
www.fluidcontrolsinstitute.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
p: (313) 550-2073 104
www.hl7.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
p: (909) 519-0740
www.asse-plumbing.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
p: (202) 737-8888
www.incits.org

MHI
Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
p: (704) 714-8755
www.mhi.org

MHI (ASC MHC)
Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
p: (704) 714-8755
www.mhi.org

MSS
Manufacturers Standardization Society
127 Park Street, NE
Vienna, VA 22180-4602
p: (703) 281-6613
www.mss-hq.org

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
p: (703) 841-3234
www.nema.org

NEMA (ASC C137)
National Electrical Manufacturers Association
1300 N 17th St Suite 900
Rosslyn, VA 22209
p: (703) 841-3262
www.nema.org

NEMA (ASC C78)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
p: (703) 841-3262
www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
p: (703) 841-3278
www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Arlington, VA 22209
p: (703) 841-3288
www.nema.org

NIRMA
Nuclear Information and Records Management Association
245 Sunnyridge Avenue
#41
Fairfield, CT 06824
p: (203) 345-7237
https://www.nirma.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
p: (734) 827-5643
www.nsf.org

PHTA
Pool and Hot Tub Alliance
2111 Eisenhower Avenue
Alexandria, VA 22314
p: (703) 838-0083 ext 155
www.PHTA.org

TAPPI
Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
p: (770) 209-7278
www.tappi.org

TCIA (ASC A300)
Tree Care Industry Association
670 N Commercial Street
STE 201
Manchester, NH 03101
p: (603) 314-5380
www.treecareindustry.org

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
p: (919) 549-1479
https://ul.org/

VC (ASC Z80)
The Vision Council
225 Reinekers Lane
Alexandria, VA 22314
p: 585-387-9913
www.z80asc.com

Call for Members (ANS Consensus Bodies)

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

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Carla VanGilder (269) 932-7015 vangilder@asabe.org, 2950 Niles Road, Saint Joseph, MI 49085

ANSI/ASAE S377-1990 (R2015), Application of Remote Linear Control Devices to Lawn and Garden Ride-On Tractor Attachments and Implements (withdrawal of ANSI/ASAE S377-1990 (R2015))

ASQ (American Society for Quality)

Contact: Julie Sharp (414) 272-8575 standards@asq.org, 600 N Plankinton Ave, Milwaukee, WI 53203

ASQ/BSR G1-202x, Guidelines for Evaluating the Quality of Government Operations and Services (new standard)

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

Contact: Lynn Barra (202) 737-8888 comments@standards.incits.org, 700 K Street NW, Suite 600, Washington, DC 20001

INCITS/ISO/IEC 14165-226:2020 [202x], Information technology - Fibre channel - Part 226: Single-byte command code sets mapping protocol - 6 (FC-SB-6) (identical national adoption of ISO/IEC 14165 -226:2020)

INCITS/ISO/IEC 14165-246:2019 [202x], Information technology - Fibre channel - Part 246: Backbone - 6 (FC-BB-6) (identical national adoption of ISO/IEC 14165-246:2019)

MHI (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org, 8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217

BSR MH16.1-202X, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1-2012 (R2019))

BSR MH28.2-202X, Design, Testing, and Utilization of Industrial Boltless Steel Shelving (revision of ANSI MH28.2-2018)

BSR MH28.3-202X, Design, Testing, and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2018)

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1 -2015)

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Leveling Devices (revision of ANSI/MH30.2-2015)

BSR MH30.3-202X, Design, Testing, and Utilization of Portable Dock Leveling Devices (revision of ANSI/MH30.3-2015)

MSS (Manufacturers Standardization Society)

Contact: Kaley Garubba (703) 281-6613 standards@msshq.org, 127 Park Street, NE, Vienna, VA 22180-4602

BSR/MSS SP-138-202x, Quality Standard Practice for Oxygen Cleaning of Valves and Fittings (revision of ANSI/MSS SP-138-2014)

Call for Members (ANS Consensus Bodies)

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

NSF (NSF International)

Contact: Allan Rose (734) 827-3817 arose@nsf.org, 789 N. Dixboro Road, Ann Arbor, MI 48105-9723

BSR/NSF 49-202x (i159r1), Biosafety Cabinetry:Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

Contact: Jason Snider (734) 418-6660 jsnider@nsf.org, 789 N. Dixboro Road, Ann Arbor, MI 48105-9723

BSR/NSF 50-202x (i162r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2019)

Contact: Monica Leslie (734) 827-5643 mleslie@nsf.org, 789 N. Dixboro Road, Ann Arbor, MI 48105-9723

BSR/NSF 42-202x (i106r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42 -2019)

BSR/NSF 53-202x (i124r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53 -2019)

BSR/NSF 244-202x (i10r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2019)

BSR/NSF 401-202x (i18r2), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2019)

Contact: Rachel Brooker (734) 827-6866 rbrooker@nsf.org, 789 N. Dixboro Road, Ann Arbor, MI 48105-9723

BSR/NSF 455-2-202x (i3r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018)

BSR/NSF 455-2-202x (i8r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018)

BSR/NSF 455-4-202x (i14r3), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Deborah Dodson (770) 209-7278 standards@tappi.org, 15 Technology Parkway South, Suite 115, Peachtree

BSR/TAPPI T 402 sp-202x, Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products (revision of ANSI/TAPPI T 402 sp-2013)

BSR/TAPPI T 459 om-202x, Surface strength of paper (wax pick test) (revision of ANSI/TAPPI T 459 om -2013)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Call for Members (ANS Consensus Bodies)

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

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

American National Standards

PDA® Standards Development Call for Volunteers

PDA is very pleased to announce the launch of the Parenteral Drug Association's newest standard! We are seeking volunteer participants to assist in developing, writing, and fine tuning the following proposal:

Analytical Method Validation and other Lifecycle Control Steps for Quality Control Testing of Biologics (new standard).
A standard, based off PDA Technical Report 57 and 57-2, used for completing analytical lifecycle steps to facilitate successful product development and regulatory submissions. This benefits stakeholders, industry, and agencies. Standardizing analytical platform technology (APT) method qualification/validation/transfer methodology will provide risk-based studies and greatly reduce manufacturer's cost, time, and resources. This should also reduce agency market authorization review time (for analytical methods).
This document will provide a method-type specific study design, statistical tools, and the setting of acceptance criteria for the following analytical lifecycle steps:

- Analytical Method Qualification (AMQ)
- Analytical Method Validation (AMV)
- Analytical Method Transfer (AMT)
- Analytical Method Comparability (AMC) for replacing approved methods
- AMQ, AMV, AMT, for APT methods

This proposed American National Standard (ANS) was presented by Stephan O. Krause, PhD, Quality Director and Head of Product Quality Leaders at AstraZeneca Biologics.
Biologics sponsors and manufacturers, those individuals involved in Quality Assurance, Operations and Manufacturing, Validation, Consultants, Regulatory, International Health Authority Reviewers and Inspectors are being sought. Nominations/Volunteers to serve as a member of the technical team (consensus body) must have some subject matter expertise, and willing to help write/contribute to this standard. Applicants should apply by contacting the PDA Standards Manager at standards@pda.org.

The deadline to submit notification of interest in serving on the consensus body is November 23, 2020.

ANSI Accredited Standards Developer

Society of Cable Telecommunications

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.

ANSI Accredited Standards Developer

Wood Machinery Manufacturers of America (WMMA (ASC O1))

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- o General Interest
- o Government
- o Producer
- o User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Call for Comment of Limited Substantive Changes

to an Approved American National Standard (ANS)

BOMA (Building Owners and Managers Association)

30-Day Call for Comment Deadline: November 1, 2020

ANSI/BOMA Z65.1-2017
BOMA 2017 For Office Buildings: Standard Methods of Measurement
(revision of ANSI/BOMA Z65.1-2010)

Since 1915, BOMA International has published the office floor measurement standard. The standard has evolved over time and is known as the preeminent standard for calculating areas in Office Buildings. The application of the standard produces areas vital to lease transactions and building valuation in a consistent manner, regardless of geographic location, building architecture, or the practitioner who applies it.
The BOMA 2017 Office Standard features two distinct methods of measurement called Method A - Multiple Load Factor Method and Method B - Single Load Factor Method.

Single copy price: $77.00 for secure PDF, $95.00 for printed edition
Order from: store.boma.org
Send comments (with optional copy to psa@ansi.org) to: floorstandards@boma.org
Obtain an electronic copy from: floorstandards@boma.org
Building Owners and Managers Association (BOMA)
Lisa Prats
lprats@boma.org
(202) 326-6338
1101 15th Street, NW
Washington, DC 20005
www.boma.org

Click here to view these changes in full

Accreditation Announcements (ASD's)

Public Review of Accredited Operating Procedures

The Laser Institute of America (LIA)

Comment Deadline: November 2, 2020

The Laser Institute of America (LIA), an ANSI Member and the Secretariat of ASC Z136, Safe Use of Lasers, has submitted revisions to the ASC's currently accredited operating procedures for documenting consensus on ASC Z136-sponsored American National Standards, under which it was last reaccredited in 2018. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Liliana Caldero, Manager, Standards & Publication, Laser Institute of America, 13501 Ingenuity Drive, Suite 128, Orlando, FL 32826; phone: 407.380.1553 ext. 1140; email: lcaldero@lia.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to LIA by November 2, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (ASD's)

Withdrawal of ASD Accreditation

International Light Transportation Vehicle Association (ILTVA)

September 18, 2020

The accreditation of the International Light Transportation Vehicle Association (ILTVA) as a developer of American National Standards (ANS) has been formally withdrawn, as the organization is no longer operating as a legal entity. ILTVA currently maintains no American National Standards.

This action is taken effective September 18, 2020. For additional information, please contact psa@ansi.org.

Meeting Notices

ANSI Accredited Standards Developer

CSA America Standards Inc. (CSA)

Technical Committee

CSA Group will hold the Natural Gas Transportation Technical Committee meeting by WebEx on Thursday, November 12, 2020 from 11 a.m. to 1 p.m. EST. For more information on the meeting and the agenda, contact Julie Cairns at julie.cairns@csagroup.org.

ANSI Accredited Standards Developer

CSA America Standards Inc. (CSA)

Technical Committee

CSA Group will hold the Hydrogen Transportation Technical Committee meeting by WebEx on Monday, November 2, 2020 from 1 p.m. to 3 p.m. EST. For more information on the meeting and the agenda, contact Sara Marxen sara.marxen@csagroup.org.

ANSI Accredited Standards Developer

Z21/83 Technical Committee & CSA Gas Appliances

Joint Meeting

The Z21/83 Technical Committee & CSA Gas Appliances & Related Accessories Technical Committee will hold a joint meeting on Thursday, December 3rd, 2020 at 9 a.m. EST on WebEx.

For more information and an agenda, contact Jennifer Hess at Jennifer.hess@csagroup.org or Josip Novkovic at Josip.novkovic@csagroup.org.

US/TAG Meeting

US/TAG for ISO/TC 214 Elevating work platforms

November 18, 2020
12:00pm - 2:00pm CST
Please contact Jeff Jurgens for agenda and other details: jjurgens@aem.org

U.S. Technical Advisory Groups

ISO TAG Accreditation

Approval of TAG Accreditation and Appointment of TAG Administrator

U.S. Technical Advisory Group to ISO PC 308 – Chain of Custody – General Terminology and Models

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO PC 308, Chain of custody – General terminology and models and the appointment of Underwriters Laboratories (UL) as TAG Administrator, effective September 21, 2020. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Ms. Sonya Bird, Director of International Standards, Underwriters Laboratories, 12 Laboratory Drive, Research Triangle Park, NC 27709; phone: 919.549.1685; e-mail: Sonya.M.Bird@ul.org.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Ecological Restoration

Comment Deadline: November 20, 2020

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Ecological Restoration, with the following scope statement:
Standardization of all types and all sizes of ecological restoration projects, including their management, planning, implementation, monitoring, evaluation, and reporting.
Excluded:

- ISO/TC 82/SC7 (Mine closure and reclamation management)

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, November 2020.

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 23855, Frozen surimi - Specification - 12/18/2020, $58.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 14200.2, Space environment (natural and artificial) - Process-based implementation of meteoroid and debris environment models (orbital altitudes below GEO + 2 000 km) - 11/14/2020, $71.00

ISO/DIS 24121, Space data and information transfer systems - Spectral preprocessing transform for multispectral and hyperspectral image compression - 12/11/2020, $155.00

ISO/DIS 24122, Space data and information transfer systems - Spacecraft onboard interface services - RFID tag encoding specification - 12/11/2020, $82.00

ISO/DIS 24123, Space data and information transfer systems - Mission operations monitor & control services - 12/11/2020, $194.00

ISO/DIS 24124, Space data and information transfer systems - Voice and audio communications - 12/11/2020, $134.00

ISO/DIS 24125, Space data and information transfer systems - Mission operations - Message abstraction layer binding to TCP/IP transport and split binary encoding - 12/11/2020, $134.00

ISO/DIS 24126, Space data and information transfer systems - Delta-DOR quasar catalog update procedure - 12/11/2020, $71.00

ISO/DIS 24127, Space data and information transfer systems - Pointing request message - 12/11/2020, $185.00

ISO/DIS 24128, Space data and information transfer systems - Cross support service management - Simple schedule format specification - 12/11/2020, $125.00

ISO/DIS 24129, Space data and information transfer systems - Network layer security adaptation profile - 12/11/2020, $58.00

ISO/DIS 24130, Space data and information transfer systems - Mission operations - Message abstraction layer binding to HTTP transport and XML encoding - 12/11/2020, $134.00

ISO/DIS 23629-7, UAS traffic management (UTM) - Part 7: Data model for spatial data - 12/18/2020, $88.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 23721, Corrosion of metals and alloys - Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels - 12/12/2020, $62.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO/DIS 50005, Energy management systems - Guidelines for a phased implementation - 12/11/2020, $107.00

ESSENTIAL OILS (TC 54)

ISO/DIS 4727, Essential oil of palmarosa [Cymbopogon martini (Roxb.) W. Watson var. motia] - 12/13/2020, $46.00

GLASS IN BUILDING (TC 160)

ISO/DIS 18543, Glass in building - Electrochromic glazings - Accelerated ageing test and requirements - 12/12/2020, $62.00

ISO/DIS 21690, Glass in building - Glass blocks - Specification and test methods - 12/7/2020, $58.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 24449, Metallic and other inorganic coatings - Determination of thermal conductivity of thermal barrier coatings at elevated temperature - 12/7/2020, $53.00

PLAIN BEARINGS (TC 123)

ISO/DIS 4382-1, Plain bearings - Copper alloys - Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings - 12/13/2020, $40.00

ISO/DIS 4382-2, Plain bearings - Copper alloys - Part 2: Wrought copper alloys for solid plain bearings - 12/13/2020, $40.00

PLASTICS (TC 61)

ISO/DIS 16396-2, Plastics - Polyamide (PA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 12/18/2020, FREE

ROUND STEEL LINK CHAINS, CHAIN SLINGS, COMPONENTS AND ACCESSORIES (TC 111)

ISO/DIS 4779, Chain components for lifting purposes - Forged eye hook with point and latch - Grade 4, stainless steel, solution annealed - 12/11/2020, $67.00

SMALL TOOLS (TC 29)

ISO/DIS 9286, Abrasive grains and crude - Chemical analysis of silicon carbide - 12/18/2020, $77.00

SOIL QUALITY (TC 190)

ISO/DIS 24032, Soil quality - In situ caging of snails to assess bioaccumulation of contaminants - 12/12/2020, $119.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 616, Coke - Determination of shatter indices - 12/11/2020, $40.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37166, Smart community infrastructures - Urban data integration framework for smart city planning (SCP) - 12/18/2020, $93.00

(TC 314)

ISO/DIS 23889, Ageing Societies - Guidelines for carer-inclusive organizations - 12/13/2020, $77.00

THERMAL INSULATION (TC 163)

ISO/DIS 22482.2, Thermal insulation products - Aerogel blanket for buildings - Determination of physical properties - 11/15/2020, $62.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 10522, Agricultural irrigation equipment - Direct-acting pressure-regulating valves - 12/18/2020, $67.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 23961-1, Traditional Chinese Medicine - Vocabulary for Diagnostics - Part 1: Tongue - 12/18/2020, $98.00

ISO/DIS 23961-2, Traditional Chinese Medicine - Vocabulary for Diagnostics - Part 2: Pulse - 12/18/2020, $71.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 15222, Truck and bus tyres - Method for measuring relative wet grip performance - Loaded new tyres - 12/10/2020, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 22603-1, Information technology - Digital representation of product information - Part 1: General requirements - 12/11/2020, $33.00

IEC Standards

SMB/7114/R, Report of IEC SyC Smart Manufacturing, following its meeting held on 2020-05-26 online, 10/06/2020

1/2445/FDIS, IEC 60050-195 ED2: International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock, 10/23/2020

1/2446/FDIS, IEC 60050-195 ED2: International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock, 10/23/2020

2/2015/CDV, IEC 60034-18-1 ED3: Rotating electrical machines - Part 18-1: Functional evaluation of insulation systems - General guidelines, 12/04/2020

2/2016/CDV, IEC 60034-18-32 ED2: Rotating electrical machines - Part 18-32: Functional evaluation of insulation systems - Electrical endurance qualification procedures for form-wound windings, 12/04/2020

8/1558/CD, IEC TS 63222 ED1: Guidelines for network management - Power quality management, 12/04/2020

9/2626/Q, Proposed technical corrigendum to IEC 63076 Ed. 1.0 (2019-09-13): Railway applications - Rolling stock - Electrical equipment in trolley buses - Safety requirements and current collection systems, 10/23/2020

14/1060/CD, IEC 60076-4 ED2: Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors, 12/04/2020

23B/1326/FDIS, IEC 60669-2-1 ED5: Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices, 10/23/2020

40/2765/CDV, IEC 60286-1/AMD1 ED3: Amendment 1 - Packaging of components for automatic handling - Part 1: Tape packaging of components with axial leads on continuous tapes, 12/04/2020

40/2766/CDV, IEC 60384-1 ED6: Fixed capacitors for use in electronic equipment - Part 1: Generic specification, 12/04/2020

45/904(F)/FDIS, IEC 63048 ED1: Mobile remotely controlled systems for nuclear and radiological applications - General requirements, 10/02/2020

46/787/DC, Call for comments / proposals on the working draft guide: Guidelines for defining halogen content terminology in IEC publications., 11/06/2020

46A/1433/DC, Call for comments / proposals on the working draft guide: Guidelines for defining halogen content terminology in IEC publications, 11/06/2020

46C/1159/DC, Call for comments / proposals on the working draft guide: Guidelines for defining halogen content terminology in IEC publications, 11/06/2020

46F/519/CD, IEC 61169-68 ED1: Radio-frequency connectors - Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors, 12/04/2020

46F/520/CD, IEC 61169-1-6 ED1: Radio-frequency connectors - Part 1-6: Electrical test methods - RF power, 12/04/2020

47/2656/CD, IEC 62951-9 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 9: Performance testing methods of one transistor and one resistor (1T1R) resistive memory cells, 12/04/2020

47E/718/NP, PNW 47E-718 ED1: Semiconductor devices - Part 18-4: Semiconductor bio sensors - Evaluation method of noise characteristics of lens-free CMOS photonic array sensors, 12/04/2020

47E/719/NP, PNW 47E-719 ED1: Semiconductor devices - Part 18-5: Semiconductor bio sensors - Evaluation method for light responsivity characteristics of lens-free CMOS photonic array sensor package modules by incident angle of light, 12/04/2020

47F/363/CDV, IEC 62047-38 ED1: Semiconductor devices - Micro-electromechanical devices - Part 38: Test method for adhesion strength of metal powder paste in MEMS interconnection, 12/04/2020

48B/2844/CD, IEC 60512-27-200 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, 12/04/2020

61J/735/CDV, IEC 60335-2-67 ED5: Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment machines, for commercial use, 12/04/2020

61J/736/CDV, IEC 60335-2-68 ED5: Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines, for commercial use, 12/04/2020

61J/737/CDV, IEC 60335-2-69 ED6: Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use, 12/04/2020

61J/738/CDV, IEC 60335-2-72 ED5: Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use, 12/04/2020

61J/739/CDV, IEC 60335-2-79 ED5: Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners, 12/04/2020

65/835(F)/FDIS, IEC 61010-2-202 ED2: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-202: Particular requirements for electrically operated valve actuators, 10/09/2020

65C/1059/CD, IEC 61784-5-22 ED1: Industrial communication networks - Profiles - Part 5-22: Installation of fieldbuses - Installation profiles for CPF 22, 12/04/2020

65C/1060/CD, IEC 61784-5-8 ED3: Industrial communication networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8, 12/04/2020

68/665/CDV, IEC 60404-11 ED2: Magnetic materials - Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet, 12/04/2020

76/661/DTR, IEC TR 60825-14 ED2: Safety of laser products - Part 14: A user's guide, 11/06/2020

76/662/DTR, IEC TR 60825-3 ED3: Safety of laser products - Part 3: Guidance for laser displays and shows, 11/06/2020

86A/2035/CDV, IEC 60794-1-403 ED1: Optical Fibre Cables - Basic optical cable test procedures - Part 403: Electrical test methods - Electrical continuity test of cable metallic elements, Method H3, 12/04/2020

86A/2046/NP, PNW 86A-2046 ED1: Optical fibre cables - Part 2-23: Indoor optical fibre cables - Detailed specification for multi-fibre cables for use in MPO connector terminated cable assemblies, 12/04/2020

86A/2047/NP, PNW 86A-2047 ED1: Optical fibre cables - Part 2-24: Indoor optical fibre cables - Detailed specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies, 12/04/2020

86A/2048/NP, PNW 86A-2048 ED1: Optical fibre cables - Basic optical cable test procedures - Part 1-221: Environmental test methods - Fungus resistance, 12/04/2020

86C/1684/CDV, IEC 62148-21 ED2: Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA), 12/04/2020

88/784/NP, PNW TS 88-784 ED1: Wind Turbine - Siting Risk Assessment, 12/04/2020

89/1515/DC, Call for availability dates to participate in the remote 2020 PLENARY meeting, 10/23/2020

91/1661/CDV, IEC 61189-2-501 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-501: Test methods for materials for interconnection structures - Measurement of Resilience strength and Resilience strength Retention Factor of Flexible Dielectric Materials, 12/04/2020

91/1663/CDV, IEC 62878-2-602 ED1: Device Embedding assembly technology - Part 2-602: Guideline for stacked electronic module - Evaluation method of inter-module electrical connectivity, 12/04/2020

103/196/CD, IEC 63098-2 ED1: Transmitting equipment for radiocommunication - radio-over-fibre technologies and their performance standard - Part 2: Radio over fibre based fronthaul network for railway communication system, 12/04/2020

105/819/DC, Document for comments on additional reports from convenors and liaison officers, 10/23/2020

121A/382A/NP, Revised PNW 121A-382 ED1: Electrical accessories - Residual current monitors (RCMs) - Part 2: RCMs for industrial applications up to 1000 V AC, 11/27/2020

121A/384/FDIS, IEC 60947-6-2 ED3: Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS), 10/23/2020

CIS/B/748/DC, Draft of CISPR 37 - Industrial, scientific and medical equipment - Limits and methods of in situ measurements and measurements of large size/high power equipment, 11/27/2020

Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 15067-3-7:2020, Information technology - Home Electronic System (HES) application model - Part 3-7: GridWise transactive energy systems research, development and deployment roadmap, FREE

ISO/IEC TR 15067-3-8:2020, Information technology - Home Electronic System (HES) application model - Part 3-8: GridWise transactive energy framework, $235.00

ACOUSTICS (TC 43)

ISO 9053-2:2020, Acoustics - Determination of airflow resistance - Part 2: Alternating airflow method, $138.00

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM TR 52912:2020, Additive manufacturing - Design - Functionally graded additive manufacturing, $162.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 22186:2020, Milk and milk products - Determination of nitrofurazone, $138.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

IEC 60601-1-8/Amd2:2020, Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems - Amendment 2, FREE

IEC 60601-1-10/Amd2:2020, Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral standard: Requirements for the development of physiologic closed-loop controllers - Amendment 2, FREE

IEC 60601-1-11/Amd1:2020, Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment - Amendment 1, FREE

IEC 60601-1-12/Amd1:2020, Medical Electrical Equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the emergency medical services environment - Amendment 1, FREE

COPPER, LEAD AND ZINC ORES AND CONCENTRATES (TC 183)

ISO 15661:2020, Copper and nickel sulfide ores and concentrates - Determination of total chlorine content - Alkaline fusion and potentiometric titration method, $103.00

COSMETICS (TC 217)

ISO 18861:2020, Cosmetics - Sun protection test methods - Percentage of water resistance, $68.00

DENTISTRY (TC 106)

ISO 17730:2020, Dentistry - Fluoride varnishes, $68.00

ISO 23402-1:2020, Dentistry - Portable dental equipment for use in non-permanent healthcare environment - Part 1: General requirements, $68.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO 50049:2020, Calculation methods for energy efficiency and energy consumption variations at country, region and city levels, $209.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO 14040/Amd1:2020, Environmental management - Life cycle assessment - Principles and framework - Amendment 1, $19.00

ISO 14044/Amd2:2020, Environmental management - Life cycle assessment - Requirements and guidelines - Amendment 2, $19.00

FIREWORKS (TC 264)

ISO 21583:2020, Firework displays - General guidance, $138.00

FLOOR COVERINGS (TC 219)

ISO 20326/Amd1:2020, Resilient floor coverings - Specification for floor panels/assembly for loose laying - Amendment 1: Requirements depending on the substrate, $19.00

GRAPHICAL SYMBOLS (TC 145)

ISO 20560-1:2020, Safety information for the content of piping systems and tanks - Part 1: Piping systems, $138.00

IMPLANTS FOR SURGERY (TC 150)

ISO 25539-2:2020, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents, $232.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 16400-1:2020, Automation systems and integration - Equipment behaviour catalogues for virtual production system - Part 1: Overview, $103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 9022-3/Amd1:2020, Optics and photonics - Environmental test methods - Part 3: Mechanical stress - Amendment 1A, $19.00

ISO 8600-6:2020, Endoscopes - Medical endoscopes and endotherapy devices - Part 6: Vocabulary, $45.00

ISO 11979-5:2020, Ophthalmic implants - Intraocular lenses - Part 5: Biocompatibility, $162.00

PLASTICS (TC 61)

ISO 19935-2:2020, Plastics - Temperature modulated DSC - Part 2: Measurement of specific heat capacity cp, $103.00

ROAD VEHICLES (TC 22)

ISO 15118-8:2020, Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication, $162.00

ISO 21308-2:2020, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 2: Dimensional bodywork exchange parameters, $232.00

ISO 21308-3:2020, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 3: General, mass and administrative exchange parameters, $103.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 5893/Amd1:2020, Rubber and plastics test equipment - Tensile, flexural and compression types (constant rate of traverse) - Specification - Amendment 1, $19.00

SOLID MINERAL FUELS (TC 27)

ISO 1213-1:2020, Coal and coke - Vocabulary - Part 1: Terms relating to coal preparation, $45.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 14160:2020, Sterilization of health care products - Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives - Requirements for characterization, development, validation and routine control of a sterilization process for medical devices, $185.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO 37165:2020, Smart community infrastructures - Guidance on smart transportation with the use of digitally processed payment (d-payment), $68.00

(TC 275)

ISO 19698:2020, Sludge recovery, recycling, treatment and disposal - Beneficial use of biosolids - Land application, $232.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 23922:2020, Cigarettes - Determination of selected carbonyls in the mainstream smoke of cigarettes with an intense smoking regime - Method using high performance liquid chromatography, $103.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 21876:2020, Machinery for forestry - Saw chain shot protective windows - Test method and performance criteria, $68.00

WATER QUALITY (TC 147)

ISO 22066:2020, Water quality - Determination of total cyanide - Method using segmented flow injection, in-line ultraviolet digestion analysis by gas diffusion and amperometric detection, $103.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 9453:2020, Soft solder alloys - Chemical compositions and forms, $103.00

ISO Technical Reports

PLASTICS (TC 61)

ISO/TR 23891:2020, Plastics - Recycling and recovery - Necessity of standards, $138.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

ISO/TS 22756:2020, Health Informatics - Requirements for a knowledge base for clinical decision support systems to be used in medication-related processes, $162.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 19321:2020, Intelligent transport systems - Cooperative ITS - Dictionary of in-vehicle information (IVI) data structures, $185.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 30112:2020, Information technology - Specification methods for cultural conventions, $232.00

ISO/IEC 20547-4:2020, Information technology - Big data reference architecture - Part 4: Security and privacy, $209.00

IEC Standards

(TC 110)

IEC 62595-2-4 Ed. 1.0 en:2020, Display lighting unit - Part 2-4: Electro-optical measuring methods of laser module, $352.00

IEC 62715-6-3 Ed. 1.0 en:2020, Flexible display devices - Part 6-3: Mechanical test methods - Impact and hardness tests, $82.00

(TC 29)

IEC 60645-3 Ed. 3.0 b:2020, Electroacoustics - Audiometric equipment - Part 3: Test signals of short duration, $82.00

(TC 51)

IEC 63182-2 Ed. 1.0 b:2020, Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores, $47.00

(TC 59)

IEC 60436 Ed. 4.0 b cor.1:2020, Corrigendum 1 - Electric dishwashers for household use - Methods for measuring the performance, $0.00

(TC 62)

IEC 60601-2-21 Ed. 3.0 b:2020, Medical electrical equipment - Part 2 -21: Particular requirements for the basic safety and essential performance of infant radiant warmers, $235.00

S+ IEC 60601-2-21 Ed. 3.0 en:2020 (Redline version), Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, $305.00

(TC 82)

IEC 63092-1 Ed. 1.0 en:2020, Photovoltaics in buildings - Part 1: Requirements for building-integrated photovoltaic modules, $199.00

IEC 63092-2 Ed. 1.0 en:2020, Photovoltaics in buildings - Part 2: Requirements for building-integrated photovoltaic systems, $164.00

(TC 86)

IEC 60794-6-10 Ed. 1.0 b:2020, Optical fibre cables - Part 6-10: Indoor-outdoor cables - Family specification for universal indoor-outdoor cables, $164.00

IEC 60794-6-20 Ed. 1.0 b:2020, Optical fibre cables - Part 6-20: Indoor-outdoor cables - Family specification for flame retardant outdoor cables, $164.00

IEC Technical Reports

(TC 100)

IEC/TR 63289 Ed. 1.0 en:2020, Conceptual model for TC 100 standardization on multimedia cyber technology, $164.00

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

Correction

American Society for Quality (ASQ (ASC Z1))

Title of Approved ANS

The title of the approved standard ANSI/ASQ E5:2020 Quality Program Guidelines for Nonnuclear Power Generation Facilities, published in the August 14th, 2020 edition of Standards Action has been changed to “Quality Principles and Practices for Nonnuclear Energy Facilities”. Questions should be directed to Julie Sharp, (414) 272-8575, Standards@asq.org.

American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More…

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 link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

- *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: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org .

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

Tracking number 42i106r2 et al **Revision to NSF/ANSI 42-2019**
 Issue 106 Revision 2 (September 2020)
Multiple revisions for NSF/ANSI 42i106, 53i124, 244i10, 401i18

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Revision 2 language indicated by use of yellow highlight. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standards for Drinking Water Treatment Units

NSF/ANSI 42: Drinking Water Treatment Units – Aesthetic Effects

NSF/ANSI 53: Drinking Water Treatment Units — Health Effects

NSF/ANSI 244: Supplemental Microbiological Water Treatment Systems – Filtration

NSF/ANSI 401: Drinking Water Treatment Units – Emerging Compounds / Incidental Contaminants

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5.4 Structural integrity test methods.

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5.4.2 Hydrostatic pressure test – Complete systems

Systems designed to operate only at atmospheric pressure shall be exempt from the hydrostatic pressure test but shall be watertight in normal use. For complete systems designed for open discharge the ~~C~~components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the hydrostatic pressure test but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section. The following procedure shall be used for the hydrostatic pressure testing of other complete systems:

a) A water temperature of 13 to 24 °C (55 to 75 °F) shall be used. The test water shall be adjusted to a temperature at which condensation will not form on the surface of the test unit.

b) The inlet of the test system shall be connected to the apparatus as shown in Figure 1. The system shall be in conformance with its normal state of use, with the option of plugging drain lines.

c) The test system shall be filled with water and flushed to purge air from the system.

d) The hydrostatic pressure shall be raised at a constant rate so that the test pressure specified in Table 5.1 is reached within 5 min. The rate of pressure increase shall not be more than 690 kPa (100 psig) per second.

e) The test pressure shall be maintained for 15 min. The system shall be inspected periodically through the end of the test period to check whether the system is watertight.

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5.4.4 Cycle test.

Systems designed to operate at atmospheric pressure shall be exempt from the cyclic pressure test but shall be watertight in normal use. For complete systems designed for open discharge the ~~C~~components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the cyclic pressure test but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section.

The following procedure shall be used for the cyclic testing:

a) A water temperature of 20 ± 3 °C (68 ± 5 °F) shall be used throughout the test. The test water shall be adjusted to a temperature at which condensation will not form on the surface of the test unit.

b) The inlet of the test system shall be connected to the test apparatus as shown in Figure 1. The system shall be in conformance with its normal state of use, with the option of plugging drain lines.

c) The test system shall be filled with water and flushed to purge air from the system.

d) The counter shall be set to zero, or its initial reading shall be recorded and pressure cycling initiated. The pressure rise shall be ≥ 1 s and the pressure in the test unit shall return to < 14 kPa (2 psig) before the initiation of another cycle.

e) The pressure shall be cycled as specified in Table 5.1. The system shall be inspected periodically through the end of the test period to check whether the system is watertight.

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Table 5.1
Structural integrity testing requirements

	Hydrostatic pressure test[1]	**Cyclic pressure test**[1]
Complete systems		
complete systems with pressure vessels having a diameter < 203 mm (8 in)	3 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
complete systems with pressure vessels having a diameter ≥ 203 mm (8 in)	2.4 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure

Table 5.1
Structural integrity testing requirements

	Hydrostatic pressure test[1]	Cyclic pressure test[1]
complete systems designed for open discharge[2]	1.5 × maximum working pressure or 1,040 kPa (150 psig)	10,000 cycles at 0 to 345 kPa (0 to 50 psig)
complete portable systems pressurized by user[3]	1.5 × maximum working pressure	—
Components		
metallic pressure vessels having a diameter < 203 mm (8 in)[4]	3 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
metallic pressure vessels having a diameter ≥ 203 mm (8 in)[4]	2.4 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter < 203 mm (8 in)	3 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter ≥ 203 mm (8 in)	2.4 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
disposable pressure vessels and components	3 × maximum working pressure or 2,070 kPa (300 psig)	10,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
valves and controls[5]	3 × maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure

[1] When a choice is given in this table, testing shall be done at the greater pressure.

[2] See 5.4.2 and 5.4.4 for qualified exemptions. ~~Refer to Sections 5.4.2 and 5.4.4 for C~~~~components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section.~~

[3] Portable systems designed to utilize only atmospheric pressure or gravity flow shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use.

[4] Metallic pressure vessels require measurement of circumference and head deflection. The pressure vessel circumference shall not exhibit a permanent increase of more than 0.2% when measured at the midsection and at 30 cm (12 in) intervals. The top and bottom head deflection of the pressure vessel shall not exhibit a permanent deflection exceeding 0.5% of the vessel diameter.

[5] Subject to line pressure and tested as separate components.

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Rationale: Added exemption for cyclic pressure testing for components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media

subject to plugging or are not designed to contain media per 2020 DWTU JC meeting discussion (May 13, 2020).

Revision 2: Revised for clarity and harmonized 5.4.2 and 5.4.4 per comments received on the r1 ballot.

Tracking number 49i159r1
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Revision to NSF/ANSI 49-2019
Issue 159 Revision 1 (September 2020)

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

NSF/ANSI Standard
for Biosafety Cabinetry

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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6 Performance

6.1 General

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For qualification by the testing organization, BSCs shall meet the performance requirements listed in Sections 6.2 through 6.15, when tested in accordance with Annex N-1. All removable components within the cabinet that are offered as optional equipment by the manufacturer shall be in place during testing except during nominal set point downflow velocity determination.

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~~6.14 Electrical safety~~

~~The cabinet shall be tested by a Nationally Recognized Testing Laboratory (NRTL) for compliance to the requirements of the current edition of any national standard that is based on IEC 61010-1. Compliance is demonstrated by NRTL certification, (requires at least annual NRTL audits to maintain cabinet design certification) and cabinet listing, i.e., UL, CSA or IECEE CB Scheme certificate.~~

***Rationale**: language in this section requires an electrical certification by a Nationally Recognized Testing Laboratory (NRTL). The NRTL program is North American based which may hinder international electrical testing laboratories that may be equal to or better than those in North America.*

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Revision to NSF/ANSI/CAN 50-2020
Draft 2, Issue 162 (September 2020)

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NSF/ANSI Standard

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

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

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3 Definitions

3.8 automated controller: A system of at least one chemical probe, a controller, and auxiliary or integrated component, that senses the level of one or more swimming pool or spa / hot tub water parameters and provides a signal to other equipment to maintain the parameter(s) within a user-established range.

3.9 automated valve: A valve that switches flow paths without manual human interaction and contains at least one probe that senses the level of one or more swimming pool or spa / hot tub water parameters and provides a signal to other equipment to maintain the parameter(s) within a user-established range.

3.~~9~~10 backwash: Flow of water through filter element(s) or media in a reverse direction to dislodge accumulated dirt or filter aid and remove them from the filter tank.

Subsequent definitions will be renumbered accordingly.

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3.154 valve: A device used to direct flow to, through, and from a body of recreational water.

Subsequent definitions will be renumbered accordingly.

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9 Valves

9.1 Scope

This section contains requirements for valves, automated valves, and manufactured manifolds used on filters in public and residential swimming pools and spas / hot tubs. The requirements apply to the housing, valve, handle, or valve mechanism and other components that are integral parts of the valve or multiport valve.

An automated valve with integrated automated controller functions shall also comply to Section 19.

9.~~1~~2 General

9.~~1~~2.1 Valves and component parts that may require inspection and service shall be accessible.

9.~~1~~2.2 Valves shall be marked or keyed for proper assembly and operation.

9.~~1~~2.3 Valves shall be designed so that parts may be replaced without drilling or otherwise altering the multiport valve or replacement part.

9.~~2~~3 Positive indexing

9.~~2~~3.1 Valves shall be marked or have a suitable display so that the position of the operating handle or valve mechanism clearly indicates each operation.

9.~~2~~3.2 Valves shall be designed so that the position of the operating handle or valve mechanism can only be changed intentionally.

9.~~2~~3.3 Valves shall be designed so that the operating handle or valve mechanism, if removed, may only be properly realigned.

9.~~3~~4 Design pressure

9.4.1 The working pressure of a pressure service valve or manufactured manifold or operational system associated with single or multiple tank filter system shall be 50 psi (344 kPa) or greater. The design burst pressure of a pressure service valve or operational system associated with single or multiple tank filter system shall be designed to have a burst pressure of at least four times the working pressure (i.e., minimum safety factor = 4:1).

9.4.2 If the pressure of an automated valve is limited by an active pressure reducing system or the installation parameters, the design working pressure of the vessel shall be specified by the manufacturer. If the automated valve pressure is limited by the installation parameters (gravity fed) then the manufacturer shall identify the max pressure for the specific installation parameter.

9.4~~5~~ Pressure service

The valve or manufactured manifold and its integral components shall not rupture, leak, burst, or sustain permanent deformation when subject to the following conditions in accordance with the following: (Annex N-4):

- a hydrostatic pressure equal to 1.5 times the working pressure for 300 s;
- 20,000 consecutive pressure cycles per Section N-2.1.4.d; and

— a hydrostatic pressure equal to two times the working pressure per Section N-2.1.4.e.

9.~~5~~6 Valve leakage

Filter system valves and manufactured manifolds, when operating at the test pressure and maximum design flow rate, shall not leak in excess of 3 mL from the waste port and 30mL from the return-to-pool port in the 5 min test.

9.~~6~~7 Head loss curve

9.~~6~~7.1 The manufacturer shall make available a head loss curve for both the filter and backwash positions.

9.~~6~~7.2 The actual head loss across a multiport valve shall not exceed the head loss indicated by the manufacturer's head loss curve by more than 5% (see Section N-4.4).

9.~~6~~7.3 The head loss curve for manufactured manifolds may be calculated using a standard friction loss table and actual valve head loss data.

9.~~7~~8 Waste port seal

The filter system valve or manufactured manifold shall not leak more than 3 mL in a 5 min test through the waste port when the valve is set in the position and a static pressure of 0 to 10 psi (70 kPa) is applied to the return port (Section N-4.5).

9.~~8~~9 Vacuum service

9.~~8~~9.1 The design collapse pressure of a vacuum service valve shall be at least 1.5 times the pressure developed by the weight of the water in the tank (i.e., minimum safety factor = 1.5).

9.~~8~~9.2 Vacuum service valves shall not rupture, leak, collapse, or sustain permanent deformation when subjected to a vacuum of 25 in Hg (85 kPa) for 300 s in accordance with Section N-2.2.

9.~~8~~9.3 Vacuum service valves are exempt from port leakage testing.

9.~~9~~10 Installation and operating instructions

The manufacturer shall provide a manual with each valve or manufactured manifold. The manual shall include operating instructions, installation instructions, design head loss curve and parts lists, and any drawings or charts necessary to permit proper installation, operation, and maintenance.

9.~~10~~11 Identification

The multiport valve shall be clearly and permanently marked or labeled with the following:

—manufacturer name and contact information (address, phone number, website, or prime supplier);

—model number;

—working pressure;

—vacuum pressure, if applicable;

—operating setting; and

—special requirements for switching between settings (e.g., the pump shall be shut off prior to switching the valve position).

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19 Automated controllers

19.1 Scope

Automated controllers are used to monitor water conditions such as pH, ORP, free chlorine or other parameters specified by the manufacturer and to control equipment such as chemical feeders and pumps. Equipment covered by this section includes the controller and the chemical probes, and flow cells. Water contact components and materials of automated controllers shall be evaluated to the health effects criteria of Section 4. Mechanical chemical feeders are covered in Section 11, and flow-through chemical feeders are covered in Section 12.

An automated controller that has been incorporated into a valve shall also comply with the requirements of Section 9.

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Revision to NSF/ANSI 455-2-2018
Issue 3 Revision 2 (September 2020)

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

NSF/ANSI Standard
for Joint Committee on GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.6 Performance evaluation

4.6.1 Procedures shall be established for the collection of representative samples, including collection controls (e.g., to reduce potential of contamination) and the number of units to assure compliance with specification. [21 CFR § 111.80,-§ 111.415(g)]

~~**4.6.2** Samples shall be collected in a controlled area so as to not cause contamination.~~

4.6.3 Packaging and labeling materials shall be examined before usage to determine that they conform to the master manufacturing record. [21 CFR § 111.410(c)]

~~**4.6.4** Procedures shall be established to sample a representative number of units to assure compliance with specifications. [21 CFR § 111.415(g)]~~

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Tracking number 455-2i8r1 **Revision to NSF/ANSI 455-2-2018**
 Issue 8 Revision 1 (September 2020)

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NSF/ANSI Standard
for Joint Committee on GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.6 Performance evaluation

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4.6.27 For all products that bear an expiration date or a statement of product shelf life, the shelf life shall be supported by data. [Preamble to 21 CFR § 111 final rule]

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Tracking number 455-4i14r3
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Revision to NSF/ANSI 455-4-2018
Issue 14 Revision 3 (September 2020)

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

NSF/ANSI Standard
for Good Manufacturing Practices –

Good Manufacturing Practices for Over-the-Counter Drugs

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4 Audit requirements

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4.2 Leadership ~~and commitment~~

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4.2.2 ~~Management conducts reviews of process performance and product quality. [ICH Q10]~~ Management reviews shall include; but not limited to quality system, process performance and product quality; which are to be conducted periodically. The management reviews will be documented. [ICH 10]

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BSR/UL 330, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

PROPOSAL

1. Proposed joint standard for Standard for Hose and Hose Assemblies for Dispensing Flammable and Combustible Liquids, UL 330

1.5 These requirements cover hose and hose assemblies for use at temperatures down to -40 °F (-40 °C) or -65 °F (-54 °C) and up to +~~122~~125 °F (+~~50~~52 °C).

BSR/UL 458, Standard for Safety for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts

2. Revision to scope

1.1 These requirements cover fixed and stationary power converters, power-converter systems, and accessories having a rated nominal input of 120, 120/240, or 240 V, alternating current and a nominal output of 60 V or less, direct current. Additionally, a power converter may have a rated nominal input of 12 – 60 V, direct current. These converters are intended for use within land vehicles where not directly exposed to outdoor ~~conditions, and~~ conditions and are intended to be employed in accordance with the National Electrical Code, NFPA 70.

1.2 These requirements also cover fixed, stationary and portable power inverters and power-inverter systems having a dc input and a 120 or 240 V ac single phase output or up to 600Y/346V three-phase output. These inverters are intended for use within land vehicles where not directly exposed to outdoor ~~conditions, and~~ conditions and are intended to be employed in accordance with the National Electrical Code, NFPA 70.

Table 32.1

Values of test voltage

Rated voltage	Test voltage
10.5 – 15.5	12.6
15.6 – 20.9	Rated Voltage
21.0 – 31.0	25.2
31.1 – 41.9	37.8
42.0 – 60.0	50.4
110 - 115	120
Between 116 - 219	Rated voltage
220 - 230	240

Table 35.1

Output voltage of secondary circuits

Unit output rating, V	Minimum voltage at full rated output load, V	Maximum voltage at 5% of rated output load, V
12	10.5	15.5
24	21.0	31.0
36	31.5	46.5
48 - 60	42.0	60.0

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

1. Revisions to Clause 2.1 and Clause 42.

PROPOSAL

2.1 Luminaires for use in hazardous locations shall also comply with the applicable requirements for luminaires for use in unclassified locations. Applicable requirements for unclassified luminaires are included in one or more of the following standards:

a) UL 153, Portable Electric Luminaires.

b) UL 1598, Luminaires.

c) UL 924, Emergency Lighting and Power Equipment.

42 Temperature Test

~~*Note: For the purposes of determination of the operating temperature or temperature code, the methodology is identical to the methodology for the normal temperature test in the Standard for Luminaires, UL 1598.*~~

42.1 A luminaire shall be tested under the conditions described in 42.5 – 42.16. The maximum temperature of any surface that may come in contact with a flammable gas or vapor-in-air mixture, shall be determined under normal operating conditions using the identical methodology, including thermal stabilization criteria, as used for the normal temperature test in accordance with the applicable requirements standards for unclassified locations referenced in 2.1.

UL 1004-9, Standard for Safety for Form Wound and Medium Voltage Rotating Electrical Machines

1. Remove Reference to UL 508C

PROPOSAL

2.1 Solid-state controllers shall comply with ~~the Standard for Power Conversion Equipment, UL 508C, or~~ the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1.

2. Editorial Corrections to Table 6.1

PROPOSAL

Table 6.1
Minimum spacings for voltages above 1,000 V

Parts involved	Maximum voltage	Minimum spacings, mm (inch)											
		Between bare live parts of opposite polarity				Between bare live parts and ~~non-current carrying~~ non-current-carrying metal				Between bare live parts and removable metal enclosures			
		Through-air		Over-surface		Through-air		Over-surface		Through-air		Over-surface	
Wiring terminals for installer	2,400	25	(1)	50	(2)	25	(1)	50	(2)	25	(1)	50	(2)
	4,200	50	(2)	88	(3.5)	~~25~~ 50	(2)	88	(3.5)	50	(2)	88	(3.5)
	7,200	100	~~(4)~~ (3.9)	125	~~(5)~~ (4.9)	100	~~(4)~~ (3.9)	125	~~(5)~~ (4.9)	100	~~(4)~~ (3.9)	125	~~(5)~~ (4.9)
	12,000	125	~~(5)~~ (4.9)	160	(6.3)	125	~~(5)~~ (4.9)	160	(6.3)	125	~~(5)~~ (4.9)	160	(6.3)
	13,800	150	~~(6)~~ (5.9)	200	~~(8)~~ (7.9)	150	~~(6)~~ (5.9)	200	~~(8)~~ (7.9)	150	~~(6)~~ (5.9)	200	~~(8)~~ (7.9)
	18,000	175	~~(9)~~ (6.9)	250	~~(10)~~ (9.8)	175	~~(9)~~ (6.9)	250	~~(10)~~ (9.8)	175	~~(9)~~ (6.9)	250	~~(10)~~ (9.8)
	23,000	305	(12)	460	(18.1)	305	(12)	460	(18.1)	305	(12)	460	(18.1)
	28,000	405	~~(16)~~ (15.9)	620	(24.4)	405	~~(16)~~ (15.9)	620	(24.4)	405	~~(16)~~ (15.9)	620	(24.4)
	34,000	455	~~(18)~~ (17.9)	690	~~(27.1)~~ (27.2)	455	~~(18)~~ (17.9)	~~390~~ 690	~~(15.4)~~ (27.2)	455	~~(18)~~ (17.9)	690	~~(27.1)~~ (27.2)

UL 2201, Standard for Safety for Carbon Monoxide (CO) Emission Rate of Portable Generators

Topic: Withdrawal of Proposal for the Clarification to the UL 2201 Scope

PROPOSAL

The 2020-03-06 proposal to clarify the Scope is being withdrawn. If the proposal is withdrawn, the current requirements in the standard would remain unchanged.

BSR/UL 2237, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery

1. Addition of Requirements for Markings and Instructions in Section 48

48.1.1 Markings and instructions that are alternatively permitted on a stuffer sheet, information sheet may be provided via a manufacturer's web site. The web address shall be marked on the device, packaging and/or information sheet. The web address may be in the form of a Uniform Resource Locator (URL - http://www. .com/ /), or as a Quick Response Code (QRcode). The web address link shall take the user to an internet page containing the required information or a direct link to the required information. The file shall be a file format that is commonly used and may be downloadable. This does not apply to markings that are specified to be located on the device or the packaging/container only (not a stuffer sheet) but this information may be repeated on the web site.

BOMA 2017 for Office Buildings: Standard Methods of Measurement

Changes from February 2017 Public Review to July 2017 Public Review

3.2 Space Classifications
Wall Priority
On page 25, additional language was added to the end of the Notes section:

Note:
Any additional walls, drywall, cladding, or furring (and any associated cavities or gaps) built exclusively for an adjacent area, shall be considered entirely within that area.

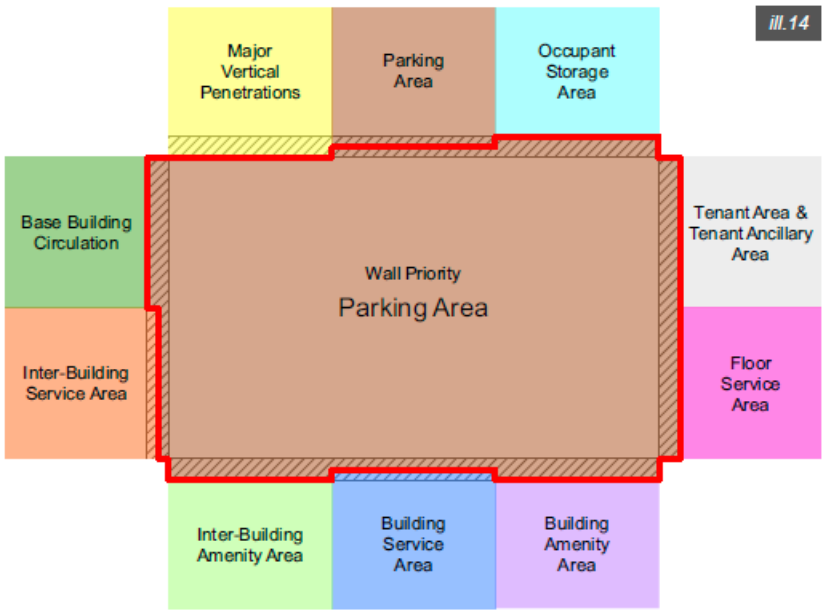
To ensure that all space is accounted for properly, there should be no overlaps or gaps between adjacent areas.

On page 25, illustration 11B, additional language was added at the end of the explanation:

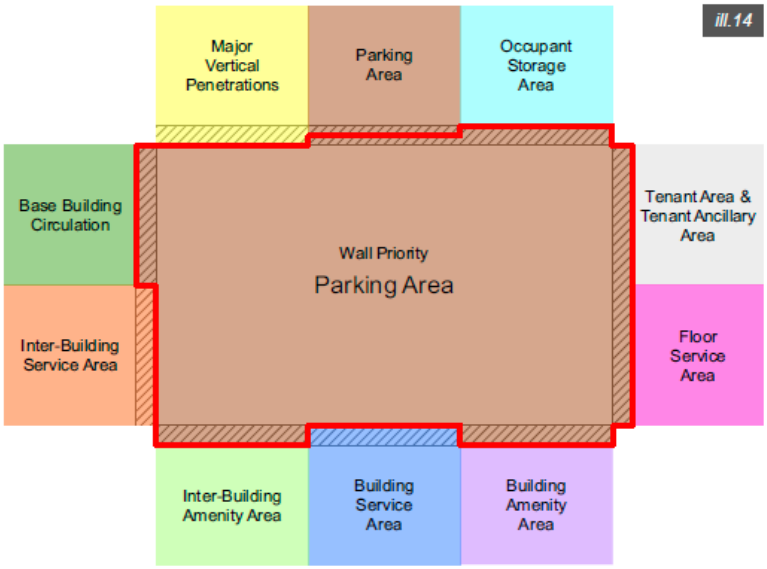
Unenclosed (Building or Occupant) Features do not have Wall Priority of their own and are measured as distinct areas from the exterior of the Building Enclosure. There will be a "gap" between Unenclosed Feature and adjacent Space Classifications. This same gap will appear in the Boundary Area as well.

3.2 Space Classifications
2. Parking Area
On page 29, illustration 14, the Wall Priority for the Parking Area was revised:

Original illustration



Revised illustration



3.3 Special Conditions
Connectors
On page 46, the second paragraph was revised:

Connectors are included in the Boundary Area of a Building ~~and disclosed as a Space ID~~ according to the appropriate Space Classification in the Global Summary of Areas.

Additional language was added at the end of the Notes section:

Note:
When a Connector is within a Building Void, the Boundary Area is determined according to the "Adjacent to Void" Boundary Condition.

A Connector between two or more Buildings must be disclosed separately with a unique Space ID. Other Connectors do not need to be disclosed separately.

3.3 Special Conditions
Perimeter Columns
On page 58, the text was rewritten:

Original text:
Perimeter Columns
When establishing Boundary Area, it is common to encounter structural elements along the perimeter that are obscured in a way that makes it difficult to differentiate columns from walls or other architectural features.

For the purpose of establishing Boundary Area, an obscured structural element that cannot be identified as a column with certainty shall be considered a column when it interrupts the established Boundary Area on either of its sides and meets either of the following conditions:

1. *The structural element is 5 feet wide or less and projects 5 feet or less towards the interior of the Building from the established Boundary Area on either of its sides.*
2. *The structural element is 5 feet wide or less and projects beyond the outside Finished Surface of the Building Enclosure on either side.*

Revised text:
Perimeter Columns
Structural columns (and other building support systems necessary to the Building) occurring along the Building Enclosure which protrude towards the interior of the Building are ignored when establishing the Boundary Area on any given Floor. Therefore, the Boundary Area is not disrupted by a column and will continue through the column, as if the protrusion does not exist. If the Boundary Area line differs from one side of a column to the other, it is adjusted at the center of the column width.

It may be difficult to identify structural columns if they are obscured or difficult to differentiate from walls or other architectural features. In such cases, refer to existing construction drawings whenever available. Otherwise, consider the Building's column grid or other distinctive patterns.

Where the existence, location or size of a column cannot be reliably determined, the Boundary Area along the affected area shall be established by applying the appropriate Boundary Condition (e.g. Dominant Portion) to the visible surface of the Floor's interior perimeter.

The Notes on page 58 were revised:

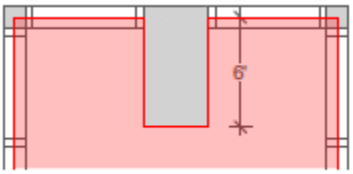
Notes:
~~*Try to identify columns by referring to existing construction drawings (if available).*~~

~~*It is helpful to consider the Building's column grid or other distinctive patterns when identifying columns.*~~

Where a column abuts the Building Enclosure (from the interior), that portion of the Building Enclosure shall be considered an extension of the column and shall therefore be ignored for the entire width of the column (see illustration 34K).

On page 58, illustration 34b was revised to depict a column surrounded by a wall instead of glass.

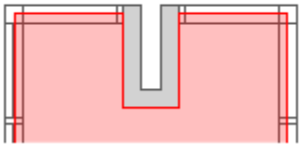
Original illustration



ill.34b

Revised illustration

ill.34b



6.0 Definitions
Finished Surface
On page 100, the definition for Finished Surface was expanded:

Finished Surface
The primary surface of ~~an architectural feature, such as a wall.~~the Building's finished base-building construction, excluding surfacing materials that are nonessential to occupancy, such as decorative coverings and tenant improvements. The Finished Surface of a wall normally consists of gypsum wallboard, glass, plaster, concrete or masonry blocks. The Finished Surface of an exterior window is the glass surface that is in direct contact with the interior environment of the Building. The Finished surface of a Floor is the top of a deck, usually concrete or wood. The finished surface of a ceiling is typically the underside of acoustical tile, suspended ceiling tile, plaster, gypsum, wallboard or similar surface.