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Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#). Directly and materially interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

AHAM (Association of Home Appliance Manufacturers)

John Park <jpark@aham.org> | 1111 19th Street NW, Suite 1150 | Washington, DC 20036 www.aham.org

Revision

BSR/AHAM AC-5-202x, Method for Assessing the Reduction Rate of Key Bioaerosols by Portable Air Cleaners Using an Aerobiology Test Chamber (revision of ANSI/AHAM AC-5-2022)

Stakeholders: Manufacturers of household electric room air cleaners; testing laboratories; consumers

Project Need: An indoor microbial environment is important to the health of occupants, particularly with regard to increased time spent indoors. Air cleaners are used to reduce the concentration of microorganisms in indoor air. The efficiency of such air cleaners to reduce airborne microorganisms can be investigated in test chambers at constant temperature and relative air humidity.

Interest Categories: Producer; user; general interest

This document specifies a method to evaluate the capability of a portable air cleaners to reduce the concentration and viability of key bioaerosols in a specified chamber. The test is applicable to portable air cleaners commonly used in single spaces such as UV, ionizers, and ozone generators in unit technology.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Ambria Calloway <Ambria.Calloway@X9.org> | 275 West Street, Suite 107 | Annapolis, MD 21401 www.x9.org

Reaffirmation

BSR X9.100-140-2018 (R202x), Image Replacement Document – IRD (reaffirmation of ANSI X9.100-140-2018)

Stakeholders: Financial institutions, check printers, software vendors, check processors

Project Need: This standard's Image Replacement Document allows financial institutions to truncate original checks early in the clearing process while still providing an option for financial institutions to reconvert the image and electronic data to a paper-based payment.

Interest Categories: Producers, Consumers, General Interest

This standard provides specifications for an Image Replacement Document (IRD) that provides a machine-readable substitute document created from the front and back image of a check.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME A13.1-202x, Scheme for the Identification of Piping Systems (revision of ANSI/ASME A13.1-2023)

Stakeholders: Piping systems' manufacturers, installers, maintainers, suppliers, purchasers, owners of equipment, labor union, enforcing authorities, specialists, insurance, inspectors general interests.

Project Need: Updates to this document are required to incorporate proposed revisions (A13.1 Scope).

Interest Categories: Constructor (AA), Designer (AB), General Interest (AF), Manufacturer (AK), Owner (AO), User (AW)

ASME A13.1 establishes a common system to assist in identification of fluids conveyed in piping and their characteristics.

ATIS (Alliance for Telecommunications Industry Solutions)

Anna Karditzas <akarditzas@atis.org> | 1200 G Street NW, Suite 500 | Washington, DC 20005 www.atis.org

Revision

BSR/ATIS 1000059.v002-202x, Emergency Telecommunications Service Wireline Access Requirements (revision and redesignation of ANSI/ATIS 1000059-2017 (R2022))

Stakeholders: Telecommunications Industry

Project Need: Update ATIS 1000059 text and requirements on preemption for alignment with FCC Title 47 Appendix B to Part 64 - Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP), issued May 2022.

Interest Categories: General interest, user, producer

Current requirements and text on pre-emption in ATIS 1000059 are not consistent with FCC Title 47 Appendix B to Part 64 - Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP), issued May 2022, which provides clarifications that permit voice, data, text, and video communications from NSEP users to preempt or degrade other in-progress communications, except for public safety emergency (911) communications.

ATIS (Alliance for Telecommunications Industry Solutions)

Anna Karditzas <akarditzas@atis.org> | 1200 G Street NW, Suite 500 | Washington, DC 20005 www.atis.org

Revision

BSR/ATIS 1000065.v002-202x, Emergency Telecommunications Service (ETS) Evolved Packet Core (EPC) Network Element Requirements (revision and redesignation of ANSI/ATIS 1000065-2015 (R2020))

Stakeholders: Telecommunications Industry

Project Need: Update ATIS 1000065 text and requirements on preemption for alignment with FCC Title 47 Appendix B to Part 64 - Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP), issued May 2022.

Interest Categories: General Interest, User, Producer

Current requirements and text on pre-emption in ATIS 1000065 are not consistent with FCC Title 47 Appendix B to Part 64 - Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP), issued May 2022, which provides clarifications that permit voice, data, text, and video communications from NSEP users to preempt or degrade other in-progress communications, except for public safety emergency (911) communications.

PLASTICS (Plastics Industry Association)

Jeff Linder <jlinder@plasticsindustry.org> | 1425 K Street, NW, Suite 500 | Washington, DC 20005 www.plasticsindustry.org

Revision

BSR/PLASTICS B151.1-202x, Safety Requirements for Injection Molding Machines (revision of ANSI/PLASTICS B151.1-2017)

Stakeholders: Plastics processors that use injection molding machines (automotive, medical, consumer goods, etc.), manufacturers and suppliers of injection molding machines, safety professionals, suppliers of auxiliary equipment intended for use with injection molding machines

Project Need: To consider ISO 20430:2020, Plastics and rubber machines — Injection molding machines — Safety requirements, and to update references.

Interest Categories: Manufacturer, User, Other Producer, General Interest

This document specifies the essential safety requirements for the design, construction, and safe use of injection molding machines for the processing of plastics. This document deals with all significant hazards, hazardous situations, and events relevant to injection molding machines. Safety requirements for the use of ancillary equipment or molds for injection molding machines are not covered by this standard

RESOLVE (Resolve, Inc.)

Hannah Alday <halday@resolve.ngo> | 2445 M Street, NW, Suite 550 | Washington, DC 20037 www.resolve.ngo

New Standard

BSR/RESOLVE RES-003-202x, Reusable packaging systems design specifications and recommendations: Labeling (new standard)

Stakeholders: Businesses including consumer goods companies, restaurant and food service companies, retailers, reuse service providers, product manufacturers, or component suppliers. Consumers: Individual consumers, organizations that represent consumers, or community groups. Workers: Individuals or organizations that represent formal or informal workers in roles related to or impacted by reusable packaging, including but not limited to workers at manufacturing facilities, food service and retail businesses, container sorting and washing facilities, transport and logistics companies, and workers in recycling or waste collection. Government: Representatives from national or local government agencies, including food and drug agencies, health or environmental agencies, public utilities, or other agencies that may be involved in aspects of packaging regulation, production, use, or end-of-life. Testing and Standards: Organizations that test and/or certify products, services, or systems covered by the standards, or that develop standards/codes related to the products, services, or systems covered by the standards. General interest: Community activists, academia, scientists, expert consultants, etc. that are not covered by the other participation categories, such as representatives from groups impacted by packaging production or waste, professional societies and trade associations, attorneys, or food safety experts.

Project Need: As reusable packaging systems have rapidly emerged in recent years, they have been designed independently and are mostly small-scale and disconnected. This standard will help align systems and infrastructure, creating interoperability, efficiencies, convenience, and cost savings.

Interest Categories: Businesses including consumer goods companies, restaurant and food service companies, retailers, reuse service providers, product manufacturers or component suppliers; Consumers; Workers; Government Testing and Standards (Organizations that test and/or certify products, services, or systems covered by the standards); General interest

This standard specifies visual and verbal requirements, including a reuse symbol, colors, fonts, and text that should be incorporated into product labeling, return point designs, and reuse signage. The standard does not cover requirements for digital labels (e.g., barcodes or QR codes). The intent is to establish consistent reuse labeling that makes it easy for consumers to identify and use containers, return points, and other assets in a reuse system.

WMMA (ASC 01) (Wood Machinery Manufacturers of America)

Nikki Augsburger <nikki@wmma.org> | 2331 Rock Spring Road | Forest Hill, MD 21050 www.wmma.org

New Standard

BSR O1.1-7-202x, Safety Requirements for Table Saws (new standard)

Stakeholders: Woodworking machinery and accessory equipment manufacturers and users

Project Need: The O1.1 standard covers the safety requirements for the design, installation, care, and use of woodworking machinery and accessory equipment, used in industrial and commercial applications, having a total connected power of 5 hp (3.7 kW) or greater, or having 3-phase wiring. The O1.1-7 will define the standards specifically for table saws. NOTE: After the December 10, 2019, removal of table saw requirements from ANSI/UL 987, stationary table saws having less than 5 hp (3.7 kW) no longer fell within the scope of an ANSI standard for safety. The scope of this ANSI O1 standard has been, therefore, modified to close this coverage gap.

Interest Categories: Manufacturers, Users/Industrial/Commercial, Importer/Distributor/Retailer, Safety Professional, Government Agency, Insurance, Labor, Testing Laboratory, Integrator, Student, Other

This standard covers the safety requirements for the design, installation, care, and use of table saws and accessory equipment, used in industrial and commercial applications, having a total connected power of greater than 5 hp (3.7 kW), having single or three-phase wiring. This standard also covers stationary table saws having a total connected power of 5 hp (3.7 kW) or less, having single or three-phase wiring.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: October 22, 2023

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

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

This third ISC public review draft is in response to a continuous maintenance proposal. The changes do not pertain directly to Section XIII of the Boiler and Pressure Vessel Code. However, SSPC 15 believes that it is better to have all changes to a section in one addendum to avoid confusion. The proposed changes are: (1) Section 9.3.1.1 was modified to make it clear that only one of the three requirements must be met; (2) In Section 9.4.7b, the word "vented" is replaced with "opened" to eliminate any inference that it is acceptable to vent or release refrigerant to the atmosphere (other than de minimis amounts).

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i133r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: October 22, 2023

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i156r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022)
The POU and POE systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to reduce substances that are considered established or potential health hazards.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 58-202x (i108r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

The point-of-use (POU) RO drinking water treatment systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered by this standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified herein.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 62-202x (i47r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2022)

This standard establishes minimum materials, design and construction, and performance requirements for point-of-use (POU) and point-of-entry (POE) drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i81r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

This standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems include greywater treatment systems; residential wastewater treatment systems; and commercial treatment systems.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: October 22, 2023

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i168r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Monica Leslie <mleslie@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i169r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Monica Leslie <mleslie@nsf.org>

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

Revision

BSR/UL 249-202x, Standard for Safety for Access Control System Units (revision of ANSI/UL 294-2023)

1.1 These requirements apply to the construction, performance, and operation of physical access control equipment and/or systems intended to regulate or control: (a) Entry into and/or exit from a controlled area, protected area or a restricted area or (b) Access to or the use of a device(s) by electrical, electronic, or mechanical means. 1.2 The extent of control of entry/exit may include the reporting and recording of related activity. The accuracy of the logged data is not evaluated by this standard. 1.3 This standard defines the minimum requirements as they apply to the construction, performance, and operation of such systems, equipment and/or computer equipment as well as tiered characteristics to meet four levels of security performance with Level I (lowest level security equipment) to Level IV (highest level security equipment). 1.4 Where an access control equipment and/or system incorporates the features and functions of a burglar alarm control unit, the requirements of the Standard for Proprietary Burglar Alarm Units and Systems, UL 1076, or the applicable section of the Standard for Commercial Premises Security Alarm Units and Systems, UL 2610, shall also apply. Please review the full scope for free here: <https://www.shopulstandards.com>.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

Comment Deadline: October 22, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

Revision

BSR/UL 1323-202x, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023)

1.1 These requirements cover manual- and power-operated-type portable hoists intended for use with scaffolds suspended by wire ropes. 1.2 This standard covers electrically powered hoists rated 1000 volts or less to be employed in nonhazardous environmental locations in accordance with the National Electrical Code, ANSI/NFPA 70.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

Comment Deadline: November 6, 2023

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

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

New Standard

BSR/ASHRAE Standard 185.3-202x, Method of Testing In-Room Devices and Systems for Microorganism Removal or Inactivation in a Chamber (new standard)

The purpose of Standard 185.3-202x is to establish a method of test for evaluating in-room air cleaners (IRACs) and systems for commercial or industrial consumers for microorganism removal or inactivation in a test chamber.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

AWS (American Welding Society)

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

Revision

BSR/AWS D1.3/D1.3M-202x, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2018)

This code covers the requirements associated with welding sheet steel having a minimum specified yield point no greater than 80 ksi [550 MPa]. The code requirements cover any welded joint made from the commonly used structural quality low-carbon hot rolled and cold rolled sheet and strip steel with or without zinc coating (galvanized). Clause 1 includes general provisions, Clause 4 design, Clause 5 prequalification, Clause 6 qualification, Clause 7 fabrication, and Clause 8 inspection.

Single copy price: \$Member Price: 59.63; Non-Member Price: 79.50

Obtain an electronic copy from: jmolin@aws.org

Send comments (copy psa@ansi.org) to: Jennifer Molin <jmolin@aws.org>

Comment Deadline: November 6, 2023

CSA (CSA America Standards Inc.)

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

Revision

BSR/CSA NGV 6.1-202x, Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (revision of ANSI/CSA NGV 6.1-2022)

Standard for design, installation, inspection, repair, and maintenance of the fuel storage and delivery system installed in on-road vehicles for use with compressed natural gas (CNG). This includes fuel systems on self-propelled vehicles for the provision of motive power. This standard does not apply to (a) stationary engines; (b) mobile equipment using natural gas as a fuel or for other than propulsion; or (c) electronic components or controls strategy of a fuel management system.

Single copy price: Free

Obtain an electronic copy from: ansi@csagroup.org

Send comments (copy psa@ansi.org) to: ansi@csagroup.org

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 | kaittaniemi@iccsafe.org, www.iccsafe.org

New Standard

BSR/ICC 1300-202x, Standard for the Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings (new standard)

Development of a comprehensive Standard to provide a methodology for the identification, evaluation and retrofit of specific known vulnerabilities for one- and two-family wood light-frame residential buildings (including townhouses) up to 2 stories in height. Also included is the evaluation and retrofit of masonry chimneys attached to 3-story buildings. Development of the assessment and retrofit provisions are applicable to dwellings located in Seismic Design Categories B through E and will include the use of the best available seismic numerical modeling tools and engineering practices to assist in development of assessment methods and to identify retrofit criteria to best achieve targeted performance objectives. Use of the provisions are anticipated to improve earthquake performance but is not intended to prevent earthquake damage.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/products-and-services/i-codes/code-development/cs/icc-residential-seismic-assessment-and-retrofit-standard-consensus-committee/>

Send comments (copy psa@ansi.org) to: shoz@iccsafe.org

NEMA (ASC C119) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | Pau_orr@nema.org, www.nema.org

Reaffirmation

BSR/NEMA CC 1-2018 (R202x), Electric Power Connection for Substations (reaffirmation of ANSI/NEMA CC 1-2018)

This Standard covers uninsulated connectors and bus supports that are made of metal and intended for use with conductors or bus made of copper or aluminum alloy and found in substations. Connectors that are supplied in equipment are covered by the equipment Standards and are excluded from this Standard.

Single copy price: Free

Obtain an electronic copy from: pau_orr@nema.org

Send comments (copy psa@ansi.org) to: Paul Orr <Pau_orr@nema.org>

Comment Deadline: November 6, 2023

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/NEMA/IEC 60974-6-2019 (R202x), Arc Welding Equipment - Part 6: Limited duty equipment (reaffirm a national adoption ANSI/NEMA/IEC 60974-6-2019)

This part of IEC 60974 specifies safety and performance requirements applicable to limited-duty arc welding and cutting power sources and auxiliaries designed for use by laymen. Electrically powered equipment is intended to be connected to the single phase public low-voltage supply system. Engine-driven power sources cannot exceed output power of 7,5 kVA.

Single copy price: \$212.00

Obtain an electronic copy from: communication@nema.org

Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | kbailey@niso.org, www.niso.org

New Standard

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

This standard is an application of HTML5 and JSON-LD to create semantic relationships between data elements in scholarly publishing workflows and express machine actionable content, to ease reuse and interchange of scholarly research information. The format description defines a set of rules that outline the minimal characteristics of documents (Linked Documents) that conform to the standard and a mechanism to define more detailed Content Profiles that extend and refine the rules for specific use cases.

Single copy price: Free

Obtain an electronic copy from: <http://www.niso.org/contact/>

Send comments (copy psa@ansi.org) to: nisohq@niso.org

Comment Deadline: November 21, 2023

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Linda.L.Phinney@ul.org, <https://ulse.org/>

New Standard

BSR/UL 6288-202X, Standard for Safety for Decorative Lighting Cords (new standard)

Create a new Standard for decorative cords will allow for a more targeted and responsive approach to Standards development and maintenance

Single copy price: Free

Order from: <https://www.shopulstandards.com/>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

Project Withdrawn

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 860P-202x (I-P), Performance Rating of Fan-Powered Chilled Water Terminals (new standard)
Send comments (copy psa@ansi.org) to: Karl Best <kbest@ahrinet.org>

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 861P-202x (SI), Performance Rating of Fan-Powered Chilled Water Terminals (new standard)
Send comments (copy psa@ansi.org) to: Karl Best <kbest@ahrinet.org>

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1231P-202x (SI), Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment (new standard)
Send comments (copy psa@ansi.org) to: Karl Best <kbest@ahrinet.org>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NSF (NSF International)

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

ANSI/NSF/GCI 355-2011, Greener Chemicals and Processes Information Standard (new standard)
Send comments (copy psa@ansi.org) to: Jessica Evans <jevans@nsf.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.

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.28-2009 (R2023), Guide for the Measurement and Evaluation of Broadband Vibration of Surface Ship Auxiliary Rotating Machinery (reaffirmation of ANSI/ASA S2.28-2009 (R2019)) Final Action Date: 9/18/2023 | *Reaffirmation*

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

ANSI X9.82-1-2023, Random Number Generation - Part 1: Overview and Basic Principles (revision of ANSI X9.82 Part 1 -2006 (R2013)) Final Action Date: 9/12/2023 | *Revision*

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

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

ANSI/ASHRAE/IES Addendum b to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022) Final Action Date: 9/14/2023 | *Addenda*

ANSI/ASHRAE Standard 41.11-2023, Standard Methods for Power Measurement (revision of ANSI/ASHRAE Standard 41.11-2020) Final Action Date: 9/14/2023 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA LC 6 (R2023), Natural Gas Operated Diaphragm Pumps (reaffirmation of ANSI/CSA LC 6-2008 (R2018)) Final Action Date: 9/15/2023 | *Reaffirmation*

ANSI/CSA/Z21.21/CSA 6.5-2023, Automatic valves for gas appliances (same as CSA 6.5) (revision of ANSI Z21.21-2019) Final Action Date: 9/14/2023 | *Revision*

ESTA (Entertainment Services and Technology Association)

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

ANSI/ES1.40-2023, Event Safety - Security (new standard) Final Action Date: 9/18/2023 | *New Standard*

ANSI/E1.72-2023, Powered Floor Machinery (new standard) Final Action Date: 9/18/2023 | *New Standard*

ANSI/E1.21-2023, Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI/E1.21-2020) Final Action Date: 9/18/2023 | *Revision*

LEO (Leonardo Academy Inc.)

8401 Excelsior Drive, Madison, WI 53717 | tracy@leonardoacademy.org, www.leonardoacademy.org

ANSI/LEO 5000-2023, Standard for Emissions Inventories, Offsets, and Reduction Credits (new standard) Final Action Date: 9/14/2023 | *New Standard*

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

ANSI C136.4-2023, Roadway and Area Lighting Equipment - Series Sockets and Series Socket Receptacles (revision of ANSI C136.4-2019) Final Action Date: 9/14/2023 | *Revision*

ANSI C136.48-2023, Roadway and Area Lighting Equipment - Wireless Networked Lighting Controllers (revision of ANSI C136.48-2018) Final Action Date: 9/14/2023 | *Revision*

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

ANSI/NEMA/IEC 60974-1-2019 (R2023), Arc Welding Equipment - Part 1: Welding Power Sources (reaffirmation of ANSI/NEMA/IEC 60974-1-2019) Final Action Date: 9/14/2023 | *Reaffirmation*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 1-2024, Fire Code (revision of ANSI/NFPA 1-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 14-2024, Standard for the Installation of Standpipe and Hose Systems (revision of ANSI/NFPA 14-2019) Final Action Date: 9/15/2023 | *Revision*

ANSI/NFPA 30A-2024, Code for Motor Fuel Dispensing Facilities and Repair Garages (revision of ANSI/NFPA 30A-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 54-2024, National Fuel Gas Code (revision of ANSI/NFPA 54-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 58-2024, Liquefied Petroleum Gas Code (revision of ANSI/NFPA 58-2020) Final Action Date: 9/15/2023 | *Revision*

ANSI/NFPA 59-2024, Utility LP-Gas Plant Code (revision of ANSI/NFPA 59-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 99-2024, Health Care Facilities Code (revision of ANSI/NFPA 99-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 101®-2024, Life Safety Code® (revision of ANSI/NFPA 101-2021) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 211-2024, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances (revision of ANSI/NFPA 211-2019) Final Action Date: 9/14/2023 | *Revision*

ANSI/NFPA 286-2024, Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth (revision of ANSI/NFPA 286-2019) Final Action Date: 9/15/2023 | *Revision*

ANSI/NFPA 505-2024, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations (revision of ANSI/NFPA 505-2018) Final Action Date: 9/15/2023 | *Revision*

ANSI/NFPA 5000®-2024, Building Construction and Safety Code® (revision of ANSI/NFPA 5000-2021) Final Action Date: 9/14/2023 | *Revision*

NSF (NSF International)

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

ANSI/NSF 53-2023 (i130r5), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2021) Final Action Date: 9/7/2023 | *Revision*

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

ANSI/SCTE 283-2023, Information Model for Smart Broadband Amplifiers (new standard) Final Action Date: 9/12/2023
| *New Standard*

ANSI/SCTE 03-2022, Test Method for Coaxial Cable Structural Return Loss (revision of ANSI/SCTE 03-2016) Final Action Date: 9/12/2023 | *Revision*

ANSI/SCTE 91-2022, Specification for 5/8-24 RF & AC Equipment Port, Female (revision of ANSI/SCTE 91-2015) Final Action Date: 9/14/2023 | *Revision*

ANSI/SCTE 147-2022, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 147-2010) Final Action Date: 9/14/2023 | *Revision*

ANSI/SCTE 161-2022, Drop Amplifiers (revision of ANSI/SCTE 161-2016) Final Action Date: 9/12/2023 | *Revision*

ANSI/SCTE 200-2022, Specification for a 75 ohm MMCX Connector (MMCX-75), Male & Female Interface (revision of ANSI/SCTE 200-2016) Final Action Date: 9/14/2023 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 60335-2-3-2023, UL Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons (identical national adoption of IEC 60335-2-3 Edition 6.1) Final Action Date: 9/14/2023
| *National Adoption*

ANSI/UL 199-2023, Standard for Safety for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2022a) Final Action Date: 9/14/2023 | *Revision*

ANSI/UL 1123-2023, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2020) Final Action Date: 9/11/2023 | *Revision*

ANSI/UL 2043-2023, Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces (revision of ANSI/UL 2043-2013 (R2018)) Final Action Date: 9/14/2023 | *Revision*

ANSI/UL 2271-2023, Standard for Safety for Batteries for Use in Light Electric Vehicle (LEV) Applications (revision of ANSI/UL 2271-2018) Final Action Date: 9/14/2023 | *Revision*

ANSI/UL 8800-2023a, Standard for Safety for Horticultural Lighting Equipment and Systems (revision of ANSI/UL 8800-2023) Final Action Date: 9/14/2023 | *Revision*

ANSI/UL 60730-2-3-2023, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (revision of ANSI/UL 60730-2-3-2013 (R2022)) Final Action Date: 8/31/2023 | *Revision*

ANSI/UL 62841-3-6-2023, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (revision of ANSI/UL 62841-3-6-2018) Final Action Date: 8/31/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

APCO - Association of Public-Safety Communications Officials-International

Call for Participation is open September 1, 2023 – October 1, 2023

The [Association of Public-Safety Communications Officials \(APCO\) International](#) has issued a call for participation for working group members to participate in the revision of APCO ANS Multi-Functional Multi-Discipline Computer Aided Dispatch (CAD) Minimum Functional Requirements. The revision and redesignation of this standard provides public safety agencies with tools to assist them in planning and preparing the Request for Proposal (RFP) accurately meeting the needs of their emergency communications center (ECC). APCO is seeking participants in the User, Producer and General Interest categories.

Call for Participation is open September 1, 2023 – October 1, 2023. Contact person is Mindy Adams at adamsm@apcointl.org or 469-424-7599.

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

BSR X9.100-140-2018 (R202x), Image Replacement Document - IRD (reaffirmation of ANSI X9.100-140-2018)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | akarditzas@atis.org, www.atis.org

BSR/ATIS 1000059.v002-202x, Emergency Telecommunications Service Wireline Access Requirements (revision and redesignation of ANSI/ATIS 1000059-2017 (R2022))

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | akarditzas@atis.org, www.atis.org

BSR/ATIS 1000065.v002-202x, Emergency Telecommunications Service (ETS) Evolved Packet Core (EPC) Network Element Requirements (revision and redesignation of ANSI/ATIS 1000065-2015 (R2020))

AWS (American Welding Society)

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

BSR/AWS D1.3/D1.3M-202x, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2018)

CSA (CSA America Standards Inc.)

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

BSR/CSA NGV 6.1-202x, Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (revision of ANSI/CSA NGV 6.1-2022)

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | kbailey@niso.org, www.niso.org

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

NSF (NSF International)

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

BSR/NSF 14-202x (i133r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

NSF (NSF International)

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

BSR/NSF 53-202x (i156r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022)

NSF (NSF International)

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

BSR/NSF 58-202x (i108r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022)

NSF (NSF International)

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

BSR/NSF 62-202x (i47r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2022)

NSF (NSF International)

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

BSR/NSF 350-202x (i81r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i168r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i169r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 | jlinder@plasticsindustry.org, www.plasticsindustry.org

BSR/PLASTICS B151.1-202x, Safety Requirements for Injection Molding Machines (revision of ANSI/PLASTICS B151.1-2017)

RESOLVE (Resolve, Inc.)

2445 M Street, NW, Suite 550, Washington, DC 20037 | haldy@resolve.ngo, www.resolve.ngo

BSR/RESOLVE RES-003-202x, Reusable packaging systems design specifications and recommendations: Labeling (new standard)

WMMA (ASC 01) (Wood Machinery Manufacturers of America)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@wmma.org, www.wmma.org

BSR 01.1-7-202x, Safety Requirements for Table Saws (new standard)

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

IPC - IPC - Association Connecting Electronics Industries

Effective September 14, 2023

The reaccreditation of **IPC - Association Connecting Electronics Industries** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on IPC-sponsored American National Standards, effective **September 14, 2023**. For additional information, please contact: Kieron Roberson, IPC - Association Connecting Electronics Industries (IPC) | 3000 Lakeside Drive, Suite 105 N, Bannockburn, IL 60015 | (847) 597-2847, kieronroberson@ipc.org

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AHAM

Association of Home Appliance
Manufacturers
1111 19th Street NW, Suite 1150
Washington, DC 20036
www.aham.org

John Park
jpark@aham.org

ASA (ASC S2)

Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
www.acousticalsociety.org

Raegan Ripley
standards@acousticalsociety.org

ASC X9

Accredited Standards Committee X9,
Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
www.x9.org

Ambria Calloway
Ambria.Calloway@X9.org

ASHRAE

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

Carmen King
cking@ashrae.org

Emily Toto
etoto@ashrae.org

Ryan Shanley
rshanley@ashrae.org

ASME

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

Terrell Henry
ansibox@asme.org

ATIS

Alliance for Telecommunications Industry
Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
www.atis.org

Anna Karditzas
akarditzas@atis.org

AWS

American Welding Society
8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org

Jennifer Molin
jmolin@aws.org

CSA

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

Debbie Chesnik
ansi.contact@csagroup.org

ESTA

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

Richard Nix
standards@esta.org

ICC

International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
www.iccsafe.org

Karl Aittaniemi
kaittaniemi@iccsafe.org

LEO

Leonardo Academy Inc.
8401 Excelsior Drive
Madison, WI 53717
www.leonardoacademy.org

Evan Kurschner
tracy@leonardoacademy.org

NEMA (ASC C12)

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
www.nema.org

Paul Orr
Pau_orr@nema.org

NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
www.nema.org

David Richmond
David.Richmond@nema.org

NEMA (ASC W1)

National Electrical Manufacturers
Association
1300 North 17th Street
Rosslyn, VA 22209
www.nema.org

Khaled Masri
Khaled.Masri@nema.org

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org

Dawn Michele Bellis
dbellis@nfpa.org

NISO

National Information Standards
Organization
3600 Clipper Mill Road, Suite 302
Baltimore, MD 21211
www.niso.org

Keondra Bailey
kbailey@niso.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org

Jason Snider
jsnider@nsf.org

Monica Leslie
mleslie@nsf.org

Monica Milla
mmilla@nsf.org

PLASTICS

Plastics Industry Association
1425 K Street, NW, Suite 500
Washington, DC 20005
www.plasticsindustry.org

Jeff Linder
jlinder@plasticsindustry.org

RESOLVE

Resolve, Inc.
2445 M Street, NW, Suite 550
Washington, DC 20037
www.resolve.ngo

Hannah Alday
halday@resolve.ngo

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
www.scte.org

Kim Cooney
kcooney@scte.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Road
Exton, PA 19341
www.scte.org

Natasha Aden
naden@scte.org

ULSE

UL Standards & Engagement
12 Laboratory Drive
Research Triangle Park, NC 27709
https://ulse.org/

Anna Roessing-Zewe
anna.roessing-zewe@ul.org

Doreen Stocker
Doreen.Stocker@ul.org

Griff Edwards
griff.edwards@ul.org

Julio Morales
Julio.Morales@UL.org

Nicolette Weeks
Nicolette.A.Weeks@ul.org

ULSE

UL Standards & Engagement
333 Pfingsten Road
Northbrook, IL 60062
https://ulse.org/

Alan McGrath
alan.t.mcgrath@ul.org
Megan Van Heirseesele
Megan.M.VanHeirseesele@ul.org

ULSE

UL Standards & Engagement
47173 Benicia Street
Fremont, CA 94538
https://ulse.org/

Linda Phinney
Linda.L.Phinney@ul.org

WMMA (ASC 01)

Wood Machinery Manufacturers of
America
2331 Rock Spring Road
Forest Hill, MD 21050
www.wmma.org

Nikki Augsburger
nikki@wmma.org



ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/DIS 7447, Underwater acoustics - Measurement of radiated underwater sound from percussive pile driving - In-situ determination of the insertion loss of barrier control measures underwater - 12/4/2023, \$88.00

Compressors, pneumatic tools and pneumatic machines (TC 118)

ISO/DIS 11148-13, Hand-held non-electric power tools - Safety requirements - Part 13: Fastener driving tools - 12/7/2023, \$119.00

Ergonomics (TC 159)

ISO/DIS 25062.2, Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuARE) - Common Industry Format (CIF) for usability: Reporting usability evaluations - 9/23/2023, \$98.00

Light metals and their alloys (TC 79)

ISO/DIS 28401, Light metals and their alloys - Titanium and titanium alloys - Classification and terminology - 12/7/2023, \$71.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 11999-3, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 3: Clothing - 12/3/2023, \$71.00

Sustainable development in communities (TC 268)

ISO/DIS 37151, Smart community infrastructures - Principles and requirements for performance metrics - 12/7/2023, \$125.00

Textiles (TC 38)

ISO/DIS 18184, Textiles - Determination of antiviral activity of textile products - 12/1/2023, \$125.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 14776-346, Information technology - Small computer system interface (SCSI) - Part 346: Zoned Block Commands - 2 (ZBC-2) - 12/1/2023, \$175.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/944/CDV, IEC 61810-7-45 ED1: Electrical relays - Tests and Measurements - Part 7-45: Maximum frequency of operation, 12/08/2023

94/945/CDV, IEC 61810-7-48 ED1: Electrical relays - Tests and Measurements - Part 7-48: Contact failure rate test, 12/08/2023

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

46/945(F)/FDIS, IEC 60966-3 ED4: Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies, 10/06/2023

46/948/CD, IEC 62037-1 ED3: Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods, 12/08/2023

46/949/CD, IEC 62037-3 ED3: Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors, 12/08/2023

46/951/CD, IEC 62037-8 ED2: Passive RF and microwave devices, intermodulation level measurement - Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation, 12/08/2023

Dependability (TC 56)

56/1999(F)/CDV, IEC 61025 ED3: Fault tree analysis (FTA), 12/01/2023

Electric cables (TC 20)

20/2126(F)/FDIS, IEC 60811-201/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 10/06/2023

20/2127(F)/FDIS, IEC 60811-202/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 10/06/2023

20/2129(F)/FDIS, IEC 60811-503/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, 10/06/2023

20/2130(F)/FDIS, IEC 60811-508/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 10/06/2023

Electric road vehicles and electric industrial trucks (TC 69)

69/912/CD, IEC 61851-23-3 ED1: Electric vehicle conductive charging system - Part 23-3: DC electric vehicle supply equipment for Megawatt charging systems, 12/08/2023

Electrical equipment in medical practice (TC 62)

62D/2077(F)/FDIS, IEC 60601-2-21/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, 10/06/2023

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18A/476/CDV, IEC 60092-353 ED5: Electrical installations in ships - Part 353: Power cables for rated voltages 1 kV and 3 kV, 12/08/2023

Electroacoustics (TC 29)

29/1156/NP, PNW 29-1156 ED1: Electroacoustics - Hearing aids - Part 17: Assistive listening system for hearing aid users based on 2,4 GHz audio streaming, 12/08/2023

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

48B/3060/CDV, IEC 60512-28-100 ED3: Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2 000 MHz - Tests 28a to 28g, 12/08/2023

48B/3059/CDV, IEC 61076-2-101 ED4: Connectors for electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking, 12/08/2023

Fibre optics (TC 86)

86B/4802/FDIS, IEC 61753-081-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments, 10/27/2023

86B/4803/FDIS, IEC 61753-081-03 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-03: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP - Outdoor protected environment, 10/27/2023

86B/4804/FDIS, IEC 61753-081-06 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-06: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP+ - Extended outdoor protected environment, 10/27/2023

Fuses (TC 32)

32C/620(F)/FDIS, IEC 60127-6 ED3: Miniature fuses - Part 6: Fuse-holders for miniature fuse-links, 09/29/2023

Hydraulic turbines (TC 4)

4/474/NP, PNW TS 4-474 ED1: Hydraulic turbines, storage pumps and pump-turbines - Hydraulic transient analysis, design considerations and testing, 12/08/2023

Industrial-process measurement and control (TC 65)

65/1024/CD, IEC 63278-4 ED1: Asset administration shell for industrial applications - Part 4: Use cases and modelling examples, 12/08/2023

65/1020(F)/FDIS, IEC 63339 ED1: Unified reference model for smart manufacturing, 09/29/2023

Lamps and related equipment (TC 34)

34D/1708/CD, IEC 60598-2-24 ED3: Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures, 12/08/2023

- 34A/2370(F)/FDIS, IEC 60809/AMD1 ED4: Amendment 1 - Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements, 10/13/2023
- 34B/2180/CDV, IEC 61184/AMD2 ED4: Amendment 2 - Bayonet lampholders, 12/08/2023
- 34A/2366/CDV, IEC 62868-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, 12/08/2023
- 34A/2367/CDV, IEC 62868-2-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-1: Particular requirements - Semi-integrated OLED modules, 12/08/2023
- 34A/2368/CDV, IEC 62868-2-2/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-2: Particular requirements - Integrated OLED modules, 12/08/2023
- 34A/2369/CDV, IEC 62868-2-3/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, 12/08/2023
- 34A/2365/CDV, IEC 62868-2-4 ED1: Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-4: Particular requirements - Rigid OLED tiles and panels, 12/08/2023
- 34/1095/CD, IEC 63494-1 ED1: Lighting System Electro-Mechanical Interfaces - Part 1: Safety, 12/08/2023
- 34/1096/CD, IEC 63494-2-1 ED1: Lighting system electro-mechanical interfaces - Part 2: Interchangeability requirements - Part 2-1: Four-pin ELV twist-lock interface - Type ZB18, 12/08/2023
- 34/1093/NP, PNW 34-1093 ED1: Horti-luminaires incorporating LED sources - Performance, 12/08/2023
- 34/1094/NP, PNW 34-1094 ED1: Horti-luminaires - Safety, 12/08/2023

Magnetic components and ferrite materials (TC 51)

- 51/1456/CD, IEC 60205 ED5: Calculation of the effective parameters of magnetic piece parts, 12/08/2023

Maritime navigation and radiocommunication equipment and systems (TC 80)

- 80/1093/FDIS, IEC 61162-1 ED6: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, 10/27/2023

- 80/1094/FDIS, IEC 61162-450 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, 10/27/2023

Measuring equipment for electromagnetic quantities (TC 85)

- 85/896/FDIS, IEC 61557-9 ED4: Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems, 10/27/2023

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

- 113/790/NP, PNW TS 113-790 ED1: IEC TS 62607-6-23: Nanomanufacturing - Key control characteristics - Part 6-23: Graphene film - Carrier mobility, sheet resistance: Hall bar method, 12/08/2023
- 113/792/NP, PNW TS 113-792 ED1: IEC TS 62607-6-24: Nanomanufacturing - Key control characteristics - Part 6-24: Graphene film - Number of layers: Optical contrast method, 12/08/2023
- 113/794/NP, PNW TS 113-794 ED1: Nanomanufacturing - Product specification - Part 3-6 Graphene oxide - Blank detail specification: Powders and powders in dispersion, 12/08/2023

Performance of household electrical appliances (TC 59)

- 59L/245/CD, IEC 60879/AMD1 ED2: Amendment 1 - Comfort fans and regulators for household and similar purposes - Methods for measuring performance, 12/08/2023
- 59/821/CDV, IEC 62849 ED2: Performance evaluation methods of robots for household and similar use, 12/08/2023

Process Management for Avionics (TC 107)

- 107/409/CDV, IEC 62668-1/AMD1 ED1: Amendment 1 - Process management for avionics - Counterfeit prevention - Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components, 12/08/2023

Rotating machinery (TC 2)

- 2/2152(F)/FDIS, IEC 60034-2-3 ED2: Rotating electrical machines - Part 2-3: Specific test methods for determining losses and efficiency of converter-fed AC motors, 09/29/2023
- 2/2156/NP, PNW 2-2156 ED1: Specific test methods for determining losses and efficiency of water submersible motors, 12/08/2023

Safety of Electronic Equipment within the Field of Audio/Video, Information Technology and Communication Technology (TC 108)

108/813/CD, IEC 63315 ED1: Audio/Video, Information and Communication Technology Equipment - Safety - DC power transfer between ICT equipment ports using ICT wiring and cables at - 60 V DC, 11/10/2023

Safety of household and similar electrical appliances (TC 61)

61/7011/FDIS, IEC 60335-2-109 ED2: Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances, 10/27/2023

61/7010/FDIS, IEC 60335-2-122 ED1: Household and similar electrical appliances - Safety - Part 122: Particular requirements for commercial washing machines, 10/27/2023

61/7007/FDIS, IEC 60335-2-41 ED5: Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, 10/27/2023

61/7008/FDIS, IEC 60335-2-51 ED5: Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, 10/27/2023

61/7009/FDIS, IEC 60335-2-60 ED5: Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas, 10/27/2023

61/7012/FDIS, IEC 60335-2-65 ED3: Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances, 10/27/2023

Semiconductor devices (TC 47)

47A/1157/CD, EMC IC modelling - Part 4: Models of integrated circuits for RF immunity behavioural simulation - Conducted immunity modelling (ICIM-CI) - Section 1: Technical Report on the use of ICIM-CI model (IEC 62433-4) to predict the IC conducted immunity in a PCB, 11/10/2023

47/2818/NP, PNW 47-2818 ED1: Future IEC XXXXX ED.1 Semiconductor devices - Detection modules of autonomous land vehicle - Part 1: Testing methods of detection performance for LiDAR, 12/08/2023

47F/447/NP, PNW 47F-447 ED1: Semiconductor Devices - Micro-electromechanical Devices - Part 51: Test method of electrical characteristics under two-directional cyclic bending deformation for flexible micro-electromechanical devices, 11/10/2023

Surface mounting technology (TC 91)

91/1908/CD, IEC 60068-2-88 ED1: ENVIRONMENTAL TESTING - Part 2-88: Tests - Test XD: Resistance of components and assemblies to liquid cleaning media, 12/08/2023

91/1898(F)/FDIS, IEC 63251 ED1: Test method for mechanical property of flexible opto-electric circuit boards under thermal stress, 10/06/2023

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/569(F)/FDIS, IEC 62626-1 ED2: Low-voltage switchgear and controlgear enclosed equipment - Part 1: Additional requirements for enclosed switch-disconnectors in accordance with IEC 60947-3 - Isolation of electrical equipment during repair and maintenance work in specific applications, 10/13/2023

(CISPR)

CIS/B/826/CD, CISPR 37 ED1: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods for measurements in situ, 12/08/2023



Newly Published ISO & IEC Standards

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

ISO Standards

Agricultural food products (TC 34)

[ISO 6888-1:2021/Amd 1:2023](#), - Amendment 1: Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - Part 1: Method using Baird-Parker agar medium - Amendment 1, \$22.00

[ISO 6888-2:2021/Amd 1:2023](#), - Amendment 1: Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - Part 2: Method using rabbit plasma fibrinogen agar medium - Amendment 1, \$22.00

Biological evaluation of medical and dental materials and devices (TC 194)

[ISO 10993-17:2023](#), Biological evaluation of medical devices - Part 17: Toxicological risk assessment of medical device constituents, \$237.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

[ISO 17785-3:2023](#), Testing methods for pervious concrete - Part 3: Resistance of surface degradation, \$51.00

Ergonomics (TC 159)

[ISO 15535:2023](#), General requirements for establishing anthropometric databases, \$157.00

[ISO 20685-2:2023](#), Ergonomics - 3-D scanning methodologies for internationally compatible anthropometric databases - Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions, \$157.00

Fire safety (TC 92)

[ISO 13943:2023](#), Fire safety - Vocabulary, \$51.00

Geotechnics (TC 182)

[ISO 18674-8:2023](#), Geotechnical investigation and testing - Geotechnical monitoring by field instrumentation - Part 8: Measurement of loads: Load cells, \$183.00

Industrial automation systems and integration (TC 184)

[ISO/PAS 24644-1:2023](#), Mass customization value chain management - Part 1: Framework, \$210.00

Laboratory glassware and related apparatus (TC 48)

[ISO 10991:2023](#), Microfluidics - Vocabulary, \$51.00

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

[ISO 19901-8:2023](#), Oil and gas industries including lower carbon energy - Offshore structures - Part 8: Marine soil investigations, \$263.00

Petroleum products and lubricants (TC 28)

[ISO 12156-1:2023](#), Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR) - Part 1: Test method, \$116.00

Powder metallurgy (TC 119)

[ISO 2740:2023](#), Sintered metal materials, excluding hardmetals - Tensile test pieces, \$77.00

Safety of amusement rides and amusement devices (TC 254)

[ISO 17842-1:2023](#), Safety of amusement rides and amusement devices - Part 1: Design and manufacture, \$263.00

Security (TC 292)

[ISO 22343-1:2023](#), Security and resilience - Vehicle security barriers - Part 1: Performance requirement, vehicle impact test method and performance rating, \$237.00

[ISO 22343-2:2023](#), Security and resilience - Vehicle security barriers - Part 2: Application, \$237.00

Sterilization of health care products (TC 198)

[ISO 11607-1:2019/Amd 1:2023](#), - Amendment 1: Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems - Amendment 1: Application of risk management, \$22.00

[ISO 11607-2:2019/Amd 1:2023](#), - Amendment 1: Packaging for terminally sterilized medical devices - Part 2: Validation requirements for forming, sealing and assembly processes - Amendment 1: Application of risk management, \$22.00

(TC 321)

[ISO 32110:2023](#), Transaction assurance in E-commerce - Vocabulary, \$51.00

Valves (TC 153)

[ISO 5211:2023](#), Industrial valves - Part-turn actuator attachments, \$183.00

Welding and allied processes (TC 44)

[ISO 24394:2023](#), Welding for aerospace applications - Qualification test for welders and welding operators - Fusion welding of metallic components, \$183.00

Wood-based panels (TC 89)

[ISO 12460-3:2023](#), Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method, \$116.00

ISO Technical Reports**Industrial automation systems and integration (TC 184)**

[ISO/TR 20123:2023](#), Automation systems and integration - Industrial data - Nuclear digital ecosystem specifications, \$263.00

ISO Technical Specifications**Fluid power systems (TC 131)**

[ISO/TS 11686:2023](#), Connectors for fluid power and general use - Assembly instructions for connectors with adjustable stud ends and O-ring sealing, \$77.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 7052:2023](#), Software engineering - Controlling frequently occurring risks during development and maintenance of custom software, \$210.00

IEC Standards**Flat Panel Display Devices (TC 110)**

[IEC 63145-10 Ed. 1.0 en:2023](#), Eyewear display - Part 10: Specifications, \$234.00

Lamps and related equipment (TC 34)

[IEC 62386-305 Ed. 1.0 b:2023](#), Digital addressable lighting interface - Part 305: Particular requirements - Input devices - Colour sensor, \$190.00

Other

[IEC SRD 63416 Ed. 1.0 en:2023](#), Ethical considerations of artificial intelligence (AI) when applied in the active assisted living (AAL) context, \$190.00

IEC Technical Specifications**Documentation and graphical symbols (TC 3)**

[IEC/TS 63266 Ed. 1.0 en:2023](#), Representation of communication in power utility automation, \$278.00

Industrial-process measurement and control (TC 65)

[IEC/TS 62443-1-5 Ed. 1.0 en:2023](#), Security for industrial automation and control systems - Part 1-5: Scheme for IEC 62443 security profiles, \$95.00

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

[IEC/TS 61994-5 Ed. 2.0 en:2023](#), Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 5: Piezoelectric sensors, \$51.00

[S+ IEC/TS 61994-5 Ed. 2.0 en:2023 \(Redline version\)](#), Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 5: Piezoelectric sensors, \$66.00

Solar photovoltaic energy systems (TC 82)

[IEC/TS 62915 Ed. 2.0 en:2023](#), Photovoltaic (PV) modules - Type approval, design and safety qualification - Retesting, \$329.00

Wind turbine generator systems (TC 88)

[IEC/TS 61400-30 Ed. 1.0 en:2023](#), Wind energy generation systems - Part 30: Safety of wind turbine generators - General principles for design, \$417.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Urban Logistics

Comment Deadline: September 22, 2023

KATS, the ISO member body for South Korea, has submitted to ISO a proposal for a new field of ISO technical activity on Urban Logistics, with the following scope statement:

Standardization in the field of urban logistics technology and services, including but not limited to terms, functions, assessments and evaluations, and requirements for economical, efficient and eco-friendly urban logistics.

The goal of the technical committee is to help build urban logistics technologies and services that are sustainable, socially and economically responsible.

Standardization activities are technologies and services for efficient and sustainable urban logistics required for cities that are constantly evolving and expanding due to rapid population growth and digital transformation.

Excluded: Standardization covered by

- *ISO/TC 22 - Road vehicles*
- *ISO/TC 34 - Food products*
- *ISO/TC 92 - Fire safety*
- *ISO/TC 101 - Continuous mechanical handling equipment*
- *ISO/TC 122 - Packaging*
- *ISO/TC 176 - Quality management and quality assurance*
- *ISO/TC 204 - Intelligent transport systems*
- *ISO/TC 262 - Risk management*
- *ISO/TC 268 - Sustainable cities and communities*
- *ISO/TC 283 - Occupational health and safety management*
- *ISO/IEC JTC 1 - Information technology*
- *ISO/TC 308 - Chain of custody*
- *ISO/TC 315 - Cold chain logistics*
- *ISO/TC 321 - Transaction assurance in E-commerce*
- *ISO/TC 344 – Innovative logistics.*

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, September 22, 2023.

International Organization for Standardization (ISO)

ISO Proposal for the Reactivation of ISO Technical Activity

Boilers and pressure vessels

Comment Deadline: September 22, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for the reactivation of ISO/TC 11 (Boilers and pressure vessels) which has been in ISO ‘standby’ mode for a number of years due to inactivity. The scope of ISO/TC 11 is as follows:

Standardization of construction of boilers and pressure vessels.

Excluded:

- *railway and marine boilers covered by ISO/TC 8;*
- *gas cylinders covered by ISO/TC 58;*
- *aircraft and vehicle components covered by ISO/TC 20;*
- *equipment used for fire-fighting covered by ISO/TC 21;*
- *personal safety equipment covered by ISO/TC 94;*
- *components of rotating or reciprocating devices;*
- *nuclear pressure equipment covered by ISO/TC 85;*
- *pipng systems;*
- *cryogenic vessels covered by ISO/TC 220.*

Note:

Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.

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, September 22, 2023.

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, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15-2022**

Third Public Review Draft

**Proposed Addendum a to
Standard 15-2022, Safety Standard
for Refrigeration Systems**

**Third Public Review (September 2023)
(Draft shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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

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

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

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

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems*
Third Public Review Draft (Independent Substantive Change)

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

FOREWORD

In 2019, ASME introduced a newly created Section XIII as part of its longstanding Boiler and Pressure Vessel Code. The newly created Section XIII relocates requirements for pressure relief devices that existed in other divisions within the Code. Section VIII Division 1 retained requirements for overpressure protection for ASME rated vessels and equipment. This addendum revises the related portions of Standard 15 for overpressure protection to appropriately reference to the changes in overpressure protection in the ASME Boiler and Pressure Vessel Code.

This third ISC public review draft is in response to a continuous maintenance proposal. The changes do not pertain directly to Section XIII of the Boiler and Pressure Vessel Code. However, SSPC 15 believes that it is better to have all changes to a section in one addendum to avoid confusion.

The proposed changes are:

1. *Section 9.3.1.1 was modified to make it clear that only one of the three requirements must be met.*
2. *In Section 9.4.7b, the word “vented” is replaced with “opened” to eliminate any inference that it is acceptable to vent or release refrigerant to the atmosphere (other than de minimis amounts).*

Note: This public review draft of addendum a makes proposed independent substantive changes to the previous public review draft. These substantive changes to the previous public review draft and related changes to Standard 15-2022 are indicated by **blue-colored text** with **double-underlining** (for additions) and **red-colored text** with **strikethrough** (for deletions), except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard shown in **blue** or **red** text are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum a to Standard 15-2022

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. DESIGN AND CONSTRUCTION OF EQUIPMENT AND SYSTEMS

[...]

9.3 Refrigerant-Containing Pressure Vessels

[...]

9.3.1.1 *Pressure vessels having inside dimensions of 6 in. (152 mm) or less shall be protected by a pressure relief device or a fusible plug and shall comply with one of the following:*

- a. *listed either individually or as part of an assembly by a nationally recognized testing laboratory;*
- b. *marked directly on the vessel or on a nameplate attached to the vessel with a “U” or “UM” symbol signifying compliance with ASME Boiler and Pressure Vessel Code ¹⁵, Section VIII;~~or~~*
- c. *when requested by the authority having jurisdiction (AHJ), the manufacturer shall provide documentation to confirm that the vessel meets the design, fabrication, and testing requirements of ASME Boiler and Pressure Vessel Code, Section VIII.*

~~*Pressure vessels having inside dimensions of 6 in. (152 mm) or less shall be protected by either a pressure relief device or a fusible plug.*~~

Exception to 9.3.1.1: Vessels having an internal or external *design pressure* of 15 psig (103.4 kPa gage) or less.

[...]

9.4 Pressure Relief Protection

[...]

9.4.7 When relief valves are connected to discharge to a common discharge *header*, as described in Section 9.7.9.3, a full area *stop valve* is not prohibited from being installed in the discharge pipe between the relief valve and the common *header*. When such a *stop valve* is installed, a locking device *shall* be installed to ensure that the *stop valve* is locked in the open position. This discharge *stop valve shall not* be shut unless one of the following conditions exists:

- a. A parallel relief valve is installed that protect the system or vessels.
- b. The system or vessels being protected have been depressurized and are ~~vented~~open to the atmosphere.

[...]

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NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

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2 Normative references

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ASTM F2618-21, *Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems*^{Error! Bookmark not defined.}

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9 Quality assurance

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Table 9.17
Corrosive waste drainage systems (pipe)

Test	Frequency
dimensions	—
out-of-roundness	2 h
outside diameter	2 h
wall thickness	2 h
flattening	annually
impact resistance ^a	24 h
water adsorption	annually
chemical resistance	annually
hydrostatic pressure test	annually
mechanical joint pull-out test	annually
product standard(s)	ASTM F1412, ASTM F1673, ASTM F2618 ^a , CSA B181.3

Tracking number 14i133r1
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Revision to NSF/ANSI 14-2022
Issue 133, Revision 1 (September 2023)

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

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking Water Treatment Units — Health Effects

7 Elective performance claims – Test methods

7.2 Chemical reduction claims

7.2.2 Inorganic reduction testing

7.2.2.1 Inorganic reduction claims

Claims for chemical reduction may be made for the group of inorganic chemicals shown in Table 7.2 when tested in accordance with Section 7.2.2.

Table 7.2
Chemical reduction requirements

Substance	Individual influent sample point limits ^a (mg/L)	Average influent challenge ^b (mg/L)	Maximum effluent concentration (mg/L)	U.S. EPA Method(s)
fluoride	8.0 ± 25%	8.0 ± 10%	4.5 1.0	340.2
nitrate plus nitrite (as N)	30 ± 20%	30 ± 10% added as 27 mg/L NO ₃ [as N] and 3 mg/L NO ₂ [as N]	10 ^c	300

^a Equals average influent challenge concentration variability plus one of the following, in order of availability:

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

^b Reason for influent challenge levels: challenge concentrations should be selected to simulate what a system will be challenged with in the field and/or to provide an accurate and reproducible indicator of performance. The following sequence of criteria is used to select challenge concentrations:

- a) The upper percentile concentration of available occurrence data (the concentration for which there is high probability [P < 0.05] that 95% of the population will be exposed to waters of lower concentration). Occurrence data shall come from national monitoring programs administered by the U.S. EPA or the USGS. Other occurrence data shall be accepted by the Joint Committee on Drinking Water Treatment Units.
- b) The concentration obtained by multiplying the U.S. EPA's published MCL by three. This concentration will not be adequate when U.S. EPA MCL is very low.

^c Of the 10 mg/L nitrate as N, not more than 1 mg/L shall be NO₂ as N.

8 Instruction and information

8.4 Performance data sheet

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Table 8.1
Performance data sheet reduction claims

Substance	Influent challenge concentration (mg/L)	Maximum permissible product water concentration (mg/L)
⋮		
ethylene dibromide	0.001 ± 10%	0.00005
fluoride	8.0 ± 10%	4.5 1.0
heptachlor (H-34, heptox)	0.08 ± 10%	0.0004
⋮		

⋮

NSF/ANSI Standard
 for Drinking Water Treatment Units –

Reverse Osmosis Drinking Water Treatment Systems

⋮

7 Elective performance claims – Test methods

7.1 Chemical reduction claims

⋮

7.1.3 Inorganic chemical reduction claims

Claims for inorganic chemical reduction may be made for the specific contaminants shown in Table 7.2. To qualify for a specific contaminant reduction claim, the system shall reduce the level of the contaminant from the influent challenge level so that all product water sample results are less than or equal to the maximum allowable product water concentration in Table 7.2 when tested in accordance with Section 7.1.3.

⋮

Table 7.2
Contaminant reduction requirements

Contaminant	Individual influent sample point limits ^a (mg/L)	Average influent challenge level (mg/L)	Maximum allowable product water level (mg/L)	U.S. EPA Method(s) ^b	Compounds
⋮					
copper	3.0 ± 20%, 3.0 ± 25% ^d	3.0 ± 10%	1.3	200.7, 200.8	CuSO ₄ · 5 H ₂ O
fluoride	8.0 ± 25%	8.0 ± 10%	4.5 1.0	340.2	NaF
lead	0.15 ± 25%	0.15 ± 10%	0.005	200.8, 200.9	PbCl ₂ or Pb (NO ₃) ₂
⋮					

^a Equals average influent challenge concentration variability plus one of the following, in order of availability:

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

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Table 7.2
Contaminant reduction requirements

Contaminant	Individual influent sample point limits ^a (mg/L)	Average influent challenge level (mg/L)	Maximum allowable product water level (mg/L)	U.S. EPA Method(s) ^b	Compounds
^b The reporting limit for the analytical method shall not exceed the pass/fail limit. ⋮ ^d The first limits apply to analysis conducted according to the first U.S. EPA Method, and the second limits apply to analysis conducted according to the second U.S. EPA Method. ⋮ ⋮					

8 Instructions and information

8.3 Performance data sheet

Table 8.1
Performance data sheet requirements

Substance	Influent challenge concentration (mg/L)	Maximum permissible product water concentration (mg/L)
⋮		
copper	3.0 ± 10%	1.3
fluoride	8.0 ± 10%	1.5 1.0
lead	0.15 ± 10%	0.005
⋮		
⋮		

NSF/ANSI Standard
 for Drinking Water Treatment Units –

Drinking Water Distillation Systems

7 Elective performance claims – Test methods

7.2 Inorganic chemical reduction

Claims for inorganic chemical reduction may be made for the specific contaminants shown in Table 7.1. The system shall reduce the level of the contaminant from the influent challenge level so that all effluent concentration results are less than or equal to the maximum effluent concentration in Table 7.1 when tested in accordance with Section 7.2.

Tracking number 53i156r1 et al

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Multiple revisions to 53i156r1, 58i108r1, and 62i47r1

Revision to NSF/ANSI 53-2022

Issue 156 Revision 1 (September 2023)

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Table 7.1
Chemical reduction requirements

Contaminant	Individual influent sample point limits ^a (mg/L)	Average influent challenge (mg/L)	Maximum effluent concentration (mg/L)	Compound
•				
•				
copper ^b	3.0 ± 25%	3.0 ± 10%	1.3	CuSO ₄ ·5H ₂ O
fluoride	8.0 ± 25%	8.0 ± 10%	4.5 1.0	NaF
lead ^b	0.15 ± 25%	0.15 ± 10%	0.005	PbCl ₂ ^c
•				
•				
^a Equals average influent challenge concentration variability plus one of the following, in order of availability: <ol style="list-style-type: none"> 1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate U.S. EPA method. 2. Acceptable spike recoveries as stated in the appropriated U.S. EPA method. 3. Opinion of laboratory professionals – no guidance available in U.S. EPA method. 				
^b Based on the study <i>Evaluation of Total Dissolved Solids as a Surrogate Parameter for the Reduction of Inorganic Contaminants by Distillation Systems</i> , conducted for the Water Quality Association by NSF International, 1991, TDS may be used as a surrogate for verifying the reduction of arsenic, barium, cadmium, chromium, copper, lead, and selenium to equal to or below the MCL when tested in accordance with Section 6.1.5 (see Annex I-1 for rationale and supporting data.)				
^c Metal salts using alternate counterions may be used if interferences and synergistic effects are avoided.				

8 Instruction and information

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8.4 Performance data sheet

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Table 8.1
Performance data sheet inorganic chemical reduction claims

Substance	Influent challenge concentration (mg/L)	Maximum permissible product water concentration (mg/L)
•		
•		
copper	3.0 ± 10%	1.3
fluoride	8.0 ± 10%	4.5 1.0
lead	0.15 ± 10%	0.005
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Rationale:

These updates make the maximum allowable effluent level of fluoride in NSF/ANSI 53, 58, and 62 consistent with the fluoride MCL in NSF/ANSI/CAN 600: Health Effects Evaluation and Criteria for Chemicals in Drinking Water.

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NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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8 Performance testing and evaluation

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8.3 Commercial treatment systems with combined wastewater flows and commercial laundry water of any capacity, and greywater capacities exceeding 5,678 LPD (1,500 GPD)

Commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity, and those that treat greywater with capacities exceeding 5,678 LPD (1,500 GPD) shall be tested and evaluated in accordance with Annex N-1. These systems ~~shall~~ **may** be performance tested and evaluated at the locaton of the reuse system installation, using the wastewater generated onsite from the commercial facility serving the treatment system.

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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3 General requirements

3.1 General

3.1.1 Product and material information described in Section 3.2 shall be used to determine the specific section (4 through 9) under which a product or material shall be evaluated.

3.1.2 Products or materials whose intended uses fall under more than one section of this standard shall be evaluated under the section with the most rigorous evaluation conditions.

3.1.3 Within the applicable section of this standard, products shall be evaluated under the most rigorous conditions unless results from a less rigorous test can be mathematically extrapolated to ensure compliance with the most rigorous condition.

3.1.4 The most rigorous condition is associated with the shortest conditioning period, longest exposure period, highest surface area to volume ratio, and highest exposure temperature, unless demonstrated otherwise with empirical data.

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N-1.2 General evaluation requirements

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N-1.2.7 Material exposure

Materials shall be exposed according to the protocol outlined for the materials' specified end use(s). If a material is intended for use in the manufacture of products covered under more than one section of this standard, the most ~~stringent~~ rigorous exposure condition shall be followed as defined in Section 3.1.4 (e.g., ~~temperature or surface area to volume ratio~~). Materials intended to be processed by more than one method (e.g., injection molding, extrusion, or stamping) shall be tested in each of the processed forms.

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Rationale: Refer to section 3.1.4 for the most rigorous conditions. Eventually, section N-1.2.7 will be moved into a general “exposure” section under Section 3.

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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3 General requirements

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3.6 Lead content of products

With the exception of those exempted in the Safe Drinking Water Act of the United States, the wetted surfaces of products shall have a weighted average lead content $\leq 0.25\%$ when evaluated in accordance with NSF/ANSI/CAN 372. For the purpose of this section, product shall refer to anything individually evaluated for compliance under the standard, including materials and components. Solders and fluxes shall have a lead content no more than 0.2%.

3.7 Exposure Protocol

Refer to section specific guidance.

3.7.1 Multiple Time Point Protocol

When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable level when evaluated as a single time point exposure, determination of the contaminant leaching rate using a multiple time point exposure shall be considered. For the purpose of contaminant concentration evaluation, Day 1 shall be defined as the time point at which extractant water is collected for analysis under the single time point exposure protocol. Day 90 shall be defined as 90 d after this time point. When over time data are used, the Day 1 concentration for the contaminant of concern shall meet the short-term exposure level and Day 90 concentration shall meet the TAC/SPAC. When extrapolation is used, the relationship between contaminant concentration and time shall be determined and plotted using a minimum of five data points.

When a multiple time point protocol is employed in the evaluation of a contaminant, consideration shall be given to the availability of appropriate toxicity data to define an acute exposure limit for the contaminant, as required in NSF/ANSI/CAN 600, Section 3.3 (previously Annex A, Section A.5). Consideration shall also be given to the leaching characteristics of the contaminant. Multiple time point analysis shall not be used for lead or any other metal contaminant listed as a regulated contaminant by U.S. EPA or Health Canada.

At the discretion of the manufacturer, direct measurement of a Day 90 extraction shall be permitted. The products shall be exposed at the appropriate application temperature (e.g., 23 ± 2 °C; 60 ± 2 °C; 82 ± 2 °C) for the full duration of the exposure. Extraction water shall be collected for analysis at a minimum of two

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time points: after Day 1 and after the final exposure terminating on Day 90. The exposure water shall be changed at least weekly during the interval between the initial and final exposure and on at least 4 d during the final week of exposure.

4 Pipes and related products

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4.5.4.3 Multiple time point protocol

Refer to section 3.7.1 for requirements.

~~When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable level when evaluated as a single time point exposure, determination of the contaminant leaching rate using a multiple time point exposure shall be considered. For the purpose of contaminant concentration evaluation, Day 1 shall be defined as the time point at which extractant water is collected for analysis under the single time point exposure protocol. Day 90 shall be defined as 90 d after this time point. When over time data are used, the Day 1 concentration for the contaminant of concern shall meet the short term exposure level and Day 90 concentration shall meet the total allowable concentration (TAC) / single product allowable concentration (SPAC) respectively. When extrapolation is used, the relationship between contaminant concentration and time shall be determined and plotted using a minimum of five data points.~~

~~When a multiple time point protocol is employed in the evaluation of a contaminant, consideration shall be given to the availability of appropriate toxicity data to define an acute exposure limit for the contaminant, as required in NSF/ANSI/CAN 600, Section 3.3 (previously Annex A, Section A.5). Consideration shall also be given to the leaching characteristics of the contaminant. Multiple time point analysis shall not be used for lead or any other metal contaminant listed as a regulated contaminant by U.S. EPA or Health Canada.~~

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5 Barrier materials

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5.5.5.5 Multiple time point exposure protocol

Refer to section 3.7.1 for general requirements.

~~When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable concentration (see NSF/ANSI/CAN 600, Section 3 [previously Annex A of this standard]) when evaluated as a single time point (see Section 5.5.5.4), determination of the contaminant leaching rate as a function of time shall be considered. The relationship between contaminant concentration(s) and time shall be determined and plotted using a minimum of five data points. Table 5.5 summarizes the multiple time point exposure sequence. For contaminants of interest that do not require over time testing, extraction water shall be collected following the third exposure period (elapsed time 5 d). For paint / coating systems intended for immediate return to service, the first 4 d of the exposure will be eliminated and the water samples shall be collected at the conclusion of the first 24-h period following conditioning.~~

~~At the discretion of the manufacturer, direct measurement of a Day 90 extraction shall be permitted. The products shall be exposed at the selected application temperature (e.g., 23 ± 2 °C; 60 ± 2 °C; 82 ± 2 °C) for the full duration of the exposure. Extraction water shall be collected for analysis at a minimum of two time points: after Day 1 and after the final exposure terminating on Day 90. The exposure water shall be~~

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changed at least weekly during the interval between the initial and final exposure and on at least 4 d during the final week of exposure.

NOTE — Day 1 is defined as the time point at which extractant water for all contaminants is collected for analysis (5 d of elapsed time). Day 90 is defined as 90 d following this time point (95 d of elapsed time).

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Normative Annex 1

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N-1.3.7 Multiple time point protocol

Refer to section 3.7.1 for requirements.

~~When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable level when evaluated as a single time point exposure, determination of the contaminant leaching rate using a multiple time point exposure shall be considered. For the purpose of contaminant concentration evaluation, Day 1 shall be defined as the time point at which extractant water is collected for analysis under the single time point exposure protocol. Day 90 shall be defined as 90 d after this time point. When over time data are used, the Day 1 concentration for the contaminant of concern shall meet the short term exposure level and Day 90 concentration shall meet the total allowable concentration (TAC) / single product allowable concentration (SPAC) respectively. When extrapolation is used, the relationship between contaminant concentration and time shall be determined and plotted using a minimum of five data points.~~

~~When a multiple time point protocol is employed in the evaluation of a contaminant, consideration shall be given to the availability of appropriate toxicity data to define an acute exposure limit for the contaminant, as required in NSF/ANSI/CAN 600, Section 3.3 (previously Annex A, Section A.5). Consideration shall also be given to the leaching characteristics of the contaminant. Multiple time point analysis shall not be used for lead or any other metal contaminant listed as a regulated contaminant by U.S. EPA or Health Canada.~~

~~At the discretion of the manufacturer, direct measurement of a Day 90 extraction shall be permitted. The products shall be exposed at the selected application temperature (e.g., 23 ± 2 °C; 60 ± 2 °C; 82 ± 2 °C) for the full duration of the exposure. Extraction water shall be collected for analysis at a minimum of two time points: after Day 1 and after the final exposure terminating on Day 90. The exposure water shall be changed at least weekly during the interval between the initial and final exposure and on at least 4 d during the final week of exposure.~~

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N-1.4.5 Multiple time point protocol

Refer to section 3.7.1 for requirements.

~~When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable level when evaluated as a single time point exposure, determination of the contaminant leaching rate using a multiple time point exposure shall be considered. For the purpose of contaminant concentration evaluation, Day 1 shall be defined as the time point at which extractant water is collected for analysis under the single time point exposure protocol. Day 90 shall be defined as 90 d after this time point. When over time data are used, the Day 1 concentration for the contaminant of concern shall meet the short term exposure level and Day 90 concentration shall meet the TAC/SPAC respectively. When extrapolation is~~

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~~used, the relationship between contaminant concentration and time shall be determined and plotted using a minimum of five data points.~~

~~When a multiple time point protocol is employed in the evaluation of a contaminant, consideration shall be given to the availability of appropriate toxicity data to define an acute exposure limit for the contaminant, as required in NSF/ANSI/CAN 600, Section 3.3 (previously Annex A, Section A.5). Consideration shall also be given to the leaching characteristics of the contaminant. Multiple time point analysis shall not be used for lead or any other metal contaminant listed as a regulated contaminant by U.S. EPA or Health Canada.~~

~~At the discretion of the manufacturer, direct measurement of a Day 90 extraction shall be permitted. The products shall be exposed at the selected application temperature (e.g., 23 ± 2 °C; 60 ± 2 °C; 82 ± 2 °C) for the full duration of the exposure. Extraction water shall be collected for analysis at a minimum of two time points: after Day 1 and after the final exposure terminating on Day 90. The exposure water shall be changed at least weekly during the interval between the initial and final exposure and on at least 4 d during the final week of exposure.~~

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N-1.5.6 Multiple time point protocol

Refer to section 3.7.1 for requirements.

~~When the normalized concentration of a contaminant exceeds, or is expected to exceed, its acceptable level when evaluated as a single time point exposure, determination of the contaminant leaching rate using a multiple time point exposure shall be considered. For the purpose of contaminant concentration evaluation, Day 1 shall be defined as the time point at which extractant water is collected for analysis under the single time point exposure protocol. Day 90 shall be defined as 90 d after this time point. When over time data are used, the Day 1 concentration for the contaminant of concern shall meet the short term exposure level and Day 90 concentration shall meet the TAC/SPAC respectively. When extrapolation is used, the relationship between contaminant concentration and time shall be determined and plotted using a minimum of five data points.~~

~~When a multiple time point protocol is employed in the evaluation of a contaminant, consideration shall be given to the availability of appropriate toxicity data to define an acute exposure limit for the contaminant, as required in NSF/ANSI/CAN 600, Section 3.3 (previously Annex A, Section A.5). Consideration shall also be given to the leaching characteristics of the contaminant. Multiple time point analysis shall not be used for lead or any other metal contaminant listed as a regulated contaminant by U.S. EPA or Health Canada.~~

~~At the discretion of the manufacturer, direct measurement of a Day 90 extraction shall be permitted. The products shall be exposed at 23 ± 2 °C with the except for instant hot water dispensers, in which case the manufacturer's specified thermostat setting shall be used. Extraction water shall be collected for analysis at a minimum of two time points: after Day 1 and after the final exposure terminating on Day 90. The exposure water shall be changed at least weekly during the interval between the initial and final exposure and on at least 4 d during the final week of exposure.~~

Rationale: Consolidates duplicate language regarding the multiple timepoint protocol to general requirements under Section 3. Any section-specific details of the multiple timepoint protocol (e.g. for Section 5.5.5.5) will remain in the product-specific sections.

BSR/UL 294, Standard for Safety for Access Control System Units

1. Clarifying language ref added sentence 35.8.1.2

PROPOSAL

35.8.1.2 ~~The requirements of 35.8 are optional~~ The product manufacturer has the option to evaluate products to 35.8 if the product is equipped with remote access features. ~~and when equipped with remote access features, the requirements of 35.8 apply.~~ When equipment complies with the requirements in 35.8, the system shall be identified for Remote Access. Also see 35.8.1.12.

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BSR/UL 1323, Standard for Safety for Scaffold Hoists

2. Strain Relief Test for Cord Connected Products Only

PROPOSAL

53 Strain-Relief Test—~~Cord Connected Product~~

53.1 The strain-relief means of a **high-voltage** power-supply cord shall not permit the cord to move in a way that indicates stress would have been transmitted to the cord connections when a 75-pound (34-kg) weight is suspended from the hoist by the cord and the strain-relief means is stressed from any angle permitted by the construction of the hoist.

53.2 A **high-voltage** power-supply cord shall withstand for 1 minute 50 ounce-inches (0.35 N·m) of torque applied 1 inch (25.4 mm) from the strain-relief means without damage to the cord and without transmitting the torque to the terminations.

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