

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	5
Final Actions - (Approved ANS)	21
Call for Members (ANS Consensus Bodies)	26
American National Standards (ANS) Process	34
Accreditation Announcements (Standards Developers)	35
ANS Under Continuous Maintenance	37
ANSI-Accredited Standards Developer Contacts	38

International Standards

ISO and IEC Draft Standards	41
ISO and IEC Newly Published Standards	45
International Electrotechnical Commission (IEC)	48

Information Concerning

Registration of Organization Names in the United States	51
Proposed Foreign Government Regulations	52

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.

ADCI (Association of Diving Contractors International)

Geoff Thielst <thielst@sbcc.edu> | Santa Barbara City College, 721 Cliff Drive | Santa Barbara, CA 93109 www.adc-int.org

New Standard

BSR/ADCI 01-202X, Commercial Diver Training - Minimum Standard (new standard)

Stakeholders: Marine Construction Contractors, Commercial Diver Training Institutions, Commercial Diver Training Candidates, Owners and Operators of Marine or Water Related Facilities

Project Need: The previous Standard for commercial diver training was administratively withdrawn by ANSI due to inaction by its previous ANSI-Accredited Standards Developer. The commercial diving industry needs a new, updated, and improved standard to ensure safety and proper training to meet the needs of students and end users.

Interest Categories: Contractor, Training Facilities, General Interest (End Users, Industry)

The proposed New Standard shall identify a core curriculum which will prepare entry level marine technicians and commercial divers to assist in general operations in oceanographic and commercial maritime enterprises requiring technical skill. The goal of the project is to establish curriculum to train marine technicians and commercial divers capable of safely carrying out technical operations underwater.

API (American Petroleum Institute)

John Buflod <buflodj@api.org> | 200 Massachusetts Avenue NW | Washington, DC 20001 www.api.org

Revision

BSR/API RP 3000-202x, Classifying and Loading of Crude Oil into Rail Tank Cars (revision of ANSI/API RP 3000-2014 (R2022))

Stakeholders: Rail car operators transporting crude oil, offerors and consignors of crude oil transported by rail, measurement and inspection companies.

Project Need: This RP was reaffirmed in 2022. During reaffirmation a number of comments were submitted on the document. The task group plans to address the comments received in the revised document. The comments related to technical issues in the document, outdated and incomplete bibliographic references, definitions which conflicted with API's current definitions, and unclear requirements.

Interest Categories: Operators (who ship and receive crude oil), manufacturers-service providers (inspection and measurement companies), general interest (regulators and consultants)

This document provides guidance on the material characterization, transport classification, and quantity measurement of petroleum crude oil for the loading of rail tank cars. Guidance on the documentation of measurement results is also provided. The criteria for determining the frequency of sampling and testing of petroleum crude oil are identified for transport classification. This document applies only to petroleum crude oil classified as Hazard Class 3—Flammable Liquid under the US Code of Federal Regulations (CFR) at the time of publication.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA B138.1/B138.2-202x, Portable oil-burning equipment - Packaged equipment requirements/Installation requirements (new standard)

Stakeholders: Manufacturers, installers, consumers, regulator authorities and general interest groups

Project Need: It has been identified that there is a need for coverage of portable oil-burning equipment in the ANS market as there currently appears to be a lack of coverage of this type for the construction and installation of portable oil-burning equipment as highlighted in the abstract.

Interest Categories: Manufacturers, installers, consumers, regulator authorities and general interest groups

This Standard is arranged in two parts, as follows: (a) CSA B138.1 covers requirements for manufacturing, testing, marking, and manufacturer's instructions of portable oil-burning equipment; and (b) CSA B138.2 covers requirements for installation of portable oil-burning equipment including field-installed ancillary equipment required for operation of the portable oil-burning equipment. This Standard, B138.1, applies to portable oil-burning equipment which is operated while stationary and may be relocated to other locations. The products covered by this Standard may include oil-burning appliances, their fuel systems, related components and accessories, and their associated electrical features. Portable oil-burning equipment covered by this Standard may incorporate internal combustion engines, power-generating equipment, or other shaft-driven process equipment. This Standard, B138.2, applies to the operation and use of portable oil-burning equipment which conforms to CSA B138.1, and includes (a) requirements for placement of equipment; (b) requirements for field installation of associated equipment and interconnecting piping; (c) requirements for the responsibilities of the operator of the packaged equipment; and (d) requirements for the responsibilities of the owner of the packaged equipment.

CSA (CSA America Standards Inc.)

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

National Adoption

BSR/CSA FC 62282-2-100 CSA C22.2 No. 62282-2-100-202x, Fuel cell and water electrolysis technologies – Part 2-100: Fuel cell modules and water electrolysis modules – Safety (national adoption of IEC 62282-2-100:2020 with modifications and revision of ANSI/CSA FC 6 CSA C22.2 No. 62282-2-100-2023)

Stakeholders: Consumers, manufacturers, regulators, and users.

Project Need: The development of this standard will support the safe deployment and the use of product which utilize fuel cell and water electrolysis modules. This conformity assessment standard will be updated to include technology advancement since the previous edition, CSA/ANSI FC 6. It will meet the strategic needs of the following key interests: (a) ensuring that the latest innovative/technology/safety features are available for users; (b) addressing needs of regulators by providing suitable requirements; and (c) supporting certification bodies.

Interest Categories: Consumers, manufacturers, regulators, and users.

This document provides safety-related requirements for construction, operation under normal and abnormal conditions, and the testing of fuel cell and water electrolysis modules. It applies to modules with the following electrolyte chemistry: alkaline, polymer electrolyte (including direct methanol fuel cells), acidic, molten carbonate; solid oxide; and aqueous solution of salts. Fuel cell modules or water electrolysis modules can be provided with or without an enclosure and can be operated at significant pressurization levels or close to ambient pressure. This document does not cover fuel cell road vehicle applications. The modules are components of final product or system. These products or systems require evaluation according to appropriate end-product safety requirements. This document covers only up to the DC output of the fuel cell module. This document covers only up to the DC input of the water electrolysis module. This document does not cover the storage and delivery of fuel and oxidant to the fuel cell module. This document does not cover the storage and delivery of the products of the water electrolysis module.

NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

Peter Hicks <phicks@nemtac.co> | 2307 S Rural Road | Tempe, AZ 85282 www.nemtac.co

New Standard

BSR/NEMTAC 1006-202X, Standard for Passenger Verification in Lieu of Signature (new standard)

Stakeholders: Non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, regulators, taxi services, transportation network companies

Project Need: NEMTAC recognizes the necessity of adopting technological methods for verifying passenger transport instead of relying on a physical signature. The COVID-19 pandemic highlighted the widespread use of alternative signature collection methods, leading to more precise verification of passenger identity during transportation services. This initiative aims to set a technology standard for confirming the pick-up and drop-off of passengers at designated locations for NEMT trips.

Interest Categories: The consensus body created by NEMTAC includes: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, insurance plans, non-emergency medical transportation brokers, taxi services.

This project is meant to remove signature as a method of passenger service verification and provide alternatives for verifying both the passenger and the completion of the transport.

ULSE (UL Standards & Engagement)

Megan Monsen <megan.monsen@ul.org> | 1603 Orrington Ave, Suite 2000 | Evanston, IL 60201 <https://ulse.org/>

New Standard

BSR/UL 2278-202x, Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers (new standard)

Stakeholders: This standard will apply to a large cross section of groups and individuals. These specific individuals would include: producers, supply chain, trade associations, commercial/industrial users, regulators, and government.

Project Need: ULSE is seeking ANSI approval on a new joint standard for the US and Canada, UL 2278. There are currently no consensus standards published in the US and Canada for Megawatt Charging Configured Electric Vehicle Couplers. This proposed joint standard for the US and Canada, UL 2278, is needed to cover the new configuration of coupler which operates at a higher voltage and current than any previously certified coupler and presents new and increased potential hazards that must be addressed by requirements that are significantly modified compared to what exists today.

Interest Categories: AHJ, Producer, Testing & Standards Organization, General, Supply Chain, and Government

This first issue of the Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers, UL 2278, is intended to be a joint standard for the US and Canada. These requirements cover vehicle connectors and vehicle inlets designated as, and configured as, megawatt charging couplers. These devices are rated up to 1500 Vdc, 3000A under conditions of continuous use. Vehicle connectors may be actively cooled, such as with liquid cooling, when operating. These devices are intended for use with conductive DC charging equipment for electric vehicles and intended to facilitate conductive connection from the charging equipment to the vehicle. These devices are for use in either indoor or outdoor, non-classified locations in accordance with National Electrical Code (NEC), NFPA 70. This standard does not cover devices used for conductive connection to an electric vehicle and consisting of configurations other than megawatt charging systems configurations. Those devices are covered by the Standard for Plugs, Receptacles and Couplers for Electric Vehicles, UL 2251.

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: March 10, 2024

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum c to Standard 15.2-202x, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)

This proposed addendum corrects misalignment between ANSI/ASHRAE Standard 15.2 and UL 60335-2-40, Household and Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, to ensure that listed products are correctly installed, which is critical for AHJs, installers, and others. This third ISC public review document includes needed changes pointed out by reviewers of the second public review.

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

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

Comment Deadline: March 10, 2024

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum t to ANSI/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

The original impetus for this proposed addendum was to address changes for applications of cooling equipment specific to information technology equipment (ITE) and data center installations. The mitigation principles (refrigerant charge size restrictions, refrigerant detection, air circulation, and product listing) are the same as other applications using flammable refrigerants. One significant difference in ITE applications, due to the sensitive nature of electronic equipment to cleanliness, is that emergency ventilation using outside air is typically not an acceptable mitigation strategy. The proposed addendum allows use of air from other spaces within the building.

[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 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 49-202x (i195r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.

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

Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 173-202x (i114r1), Dietary Supplements (revision of ANSI/NSF 173-2022)

This standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin, a mineral, an herb or other botanical, an amino acid, a dietary substance for use by humans to supplement the diet by increasing the total dietary intake, or a concentrate, metabolite, constituent, extract, or combinations of these ingredients.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i55r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

Comment Deadline: March 10, 2024

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i56r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i68r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i41r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i44r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

Comment Deadline: March 10, 2024

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i48r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 and 21 CFR Part 211, International Council for Harmonisation of Technical Requirements for Pharmaceutical for Human Use (ICH) Quality Guidelines, 1, 7 and 10, as well as incorporating additional retailer requirements.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

ULSE (UL Standards & Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | mitchell.gold@ul.org, <https://ulse.org/>

Revision

BSR/UL 50E-202x, Standard for Enclosures for Electrical Equipment, Environmental Considerations (revision of ANSI/UL 50E-2020)

Second recirculation of the following topics: (1) Sealing Compound at Joints or Seams.

[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>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 343-202x, Standard for Safety for Pumps for Oil-Burning Appliances (revision of ANSI/UL 343-2022)

The following topic is being recirculated: (1) Addition of Biodiesel (B100) requirements.

[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>

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | ashley.seward@ul.org, <https://ulse.org/>

Revision

BSR/UL 705-202x, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2022)

This proposal for UL 705 covers: (1) Update Test Method SA13-Lint Test; (2) Add UL 2043 Requirements as an Alternative to UL 723.

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

Send comments (copy psa@ansi.org) to: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: March 10, 2024

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | sabrina.khreibtov@ul.org, <https://ulse.org/>

Revision

BSR/UL 1565-202X, Standard for Safety for Positioning Devices (revision of ANSI/UL 1565-2022)

(1) Addition of Note 5 in scope for Raceway; (2) Intended use “within an enclosure” related to wiring ducts; (3) Positioning devices without means for mounting.

[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>.

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | roger.pareja@ul.org, <https://ulse.org/>

Revision

BSR/UL 1699B-202x, Standard for Photovoltaic (PV) DC Arc-Fault Circuit Protection (revision of ANSI/UL 1699B-2021)

This proposal involves the revision of the First Edition of UL 1699B as a standard.

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

Send comments (copy psa@ansi.org) to: Roger Pareja; roger.pareja@ul.org

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Revision

BSR/UL 2238-202x, Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2024)

(1) Field-Installed Cord Grips; (2) Updates in correspondence to the Style Manual.

[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: March 25, 2024

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

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

Revision

BSR/AHRI Standard 1500 I-P-202x, Performance Rating of Commercial Space Heating Boilers (revision of ANSI/AHRI Standard 1500-2014)

This standard applies to gas and oil-fired steam and hot water packaged boilers with inputs equal to or greater than 300 MBh, that is: (a) A steam boiler designed to operate at or below a steam pressure of 15 psig; or (b) A hot water boiler designed to operate at or below a water pressure of 160 psig and a temperature of 250 °F; or (c) A boiler that is designed to be capable of supplying either steam or hot water, and designed to operate under the conditions in paragraphs (a) and (b).

Single copy price: Free

Obtain an electronic copy from: <https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview>

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

Comment Deadline: March 25, 2024

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | EscuderoD@api.org, www.api.org

Revision

BSR/API MPMS Chapter 14.3.2, 6th Ed.-202x, Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids - Concentric, Square-edged Orifice Meters - Part 2: Specification and Installation Requirements (revision of ANSI/API MPMS Chapter 14.3.2, 5th Ed.-2016)

This document establishes design and installation parameters for measurement of fluid flow using concentric, square-edged, flanged tapped orifice meters. This document outlines the various design parameters that shall be considered when designing metering facilities using orifice meters. The mechanical tolerances found in this document encompass a wide range of orifice diameter ratios for which experimental results are available.

Single copy price: \$204.00

Obtain an electronic copy from: escudero@api.org

Send comments (copy psa@ansi.org) to: Diana Escudero <EscuderoD@api.org>

ASTM (ASTM International)

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

New Standard

BSR/ASTM D7049-202x, Test Method for Metalworking Fluid Aerosol in Workplace Atmospheres (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D6300-202x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2023A)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D6708-202x, Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

Comment Deadline: March 25, 2024

AWS (American Welding Society)

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

Revision

BSR/AWS A5.13/A5.13M-202x, Specification for Surfacing Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.13/A5.13M-2021)

This specification prescribes the requirements for classification of surfacing electrodes for shielded metal arc welding. Classification is based upon the chemical composition of the deposited weld metal except for tungsten carbide electrodes, where classification is based on the mesh range, quantity, and composition of the tungsten carbide granules. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the classified electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$42.00 non-member; \$32.00 member

Obtain an electronic copy from: kbulger@aws.org

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

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

Revision

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

The purpose of this guideline is to establish recommended net positive suction head available (NPSHA) above the pump manufacturer's published net positive suction head required (NPSHR) that will lead to expected pump performance and service life. The scope applies to rotodynamic pumps of radial, mixed, and axial flow type.

Single copy price: \$50.00

Obtain an electronic copy from: amoser@pumps.org

Send comments (copy psa@ansi.org) to: Alexander Moser <amoser@pumps.org>

HI (Hydraulic Institute)

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

Revision

BSR/HI 9.8-202x, Rotodynamic Pumps for Pump Intake Design (revision of ANSI/HI 9.8-2018)

This standard applies to the design of new intakes as well as the modification of existing designs used with rotodynamic pumps. It outlines standard intake designs based on certain criteria, beyond which requires a physical model study to be in compliance with the standard.

Single copy price: \$50.00

Obtain an electronic copy from: esuarez@pumps.org

Send comments (copy psa@ansi.org) to: Edgar Suarez <esuarez@pumps.org>

Comment Deadline: March 25, 2024

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

Revision

BSR/ASSE/IAPMO SERIES 12000-202x, Professional Qualifications Standard for Water Management and Infection Control Risk Assessment for Building Systems (revision of ANSI/ASSE SERIES 12000-2021)
This standard addresses the need for general knowledge of risk assessments, infection control and water management protection from Legionella and other potentially infectious organisms. The series revision will include additional standards for: (1) Construction risk assessment for engineers, designers and commissioning agents; (2) Air Quality for construction employers and their designated representatives; and (3) Air Quality for HVAC technicians. The purpose is to provide minimum qualifications for training, continuing education, and certification for construction and maintenance workers, members of building water management teams and engineers, designers, and commissioning agents to control the spread of infection and improve water and air quality.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i130r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic).

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/72969/42i130r1%20et%20al%20-%20JC%20Memo%20%26%20ballot.pdf>

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

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i155r1), 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.

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/72969/42i130r1%20et%20al%20-%20JC%20Memo%20%26%20ballot.pdf>

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

Comment Deadline: March 25, 2024

NSF (NSF International)

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

Revision

BSR/NSF 401-202x (i35r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2022)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private), considered to be microbiologically safe, and of known quality. Systems covered under this standard are intended to reduce substances that are at very low, yet measurable concentrations, but not at definitive concentrations of known health concern.

Single copy price: Free

Obtain an electronic copy from: <https://standards.nsf.org/higherlogic/ws/public/download/72969/42i130r1%20et%20al%20-%20JC%20Memo%20%26%20ballot.pdf>

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

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Alexandria, VA 22314 | bpavlik@phta.org, www.PHTA.org

Revision

BSR/PHTA/ICC-5-202x, Standard for Residential Inground Swimming Pools (revision and redesignation of ANSI/APSP/ICC-5 2011 (R2022))

This standard applies to permanently installed residential inground swimming pools intended for noncommercial use as a swimming pool by not more than three owner families and their guests and exceeding 24 in (61 cm) in water depth. This standard covers specifications for new construction and remodeling of residential inground swimming pools and includes design, equipment, operation, and installation.

Single copy price: Free

Obtain an electronic copy from: www.phta.org/standards

Send comments (copy psa@ansi.org) to: Genevieve Lynn <standards@phta.org>

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 07-2018 (R202x), Digital Transmission Standard for Cable Television (reaffirmation of ANSI/SCTE 07-2018)

This standard describes the framing structure, channel coding, and channel modulation for a digital multi-service television distribution system that is specific to a cable channel. The system can be used transparently with the distribution from a satellite channel, as many cable systems are fed directly from satellite links. The specification covers both 64 and 256 QAM. Most features of both modulation schemes are the same. Where there are differences, the specific details for each modulation scheme is covered.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

Comment Deadline: March 25, 2024

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 19-2018 (R202x), Methods for Isochronous Data Service Transport (reaffirmation of ANSI/SCTE 19-2018)

This document defines a transmission format for the carriage of isochronous data services compatible with digital multiplex bitstreams constructed in accordance with ISO/IEC 13818-1 (MPEG-2 Systems). Bit rates for the data services extend from 19.2 kbps to 9.0 Mbps.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 52-2018 (R202x), Data Encryption Standard - Cipher Block Chaining, Packet Encryption Specification (reaffirmation of ANSI/SCTE 52-2018)

This document defines a method for encrypting MPEG-2 transport stream packets using the Data Encryption Standard (DES) Cipher Block Chaining (CBC) encryption standard.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 201-2018 (R202x), Open Media Security (OMS) Root Key Derivation, Profiles and Test Vectors (reaffirmation of ANSI/SCTE 201-2018)

This cryptographic key ladder standard defines a set of key ladder profiles, additional requirements, and test vectors for a key ladder implementation.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

Comment Deadline: March 25, 2024

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 172-202x, Constraints on NAL Structured Video Coding for Digital Program Insertion (revision of ANSI/SCTE 172-2017)

This document defines additional video coding and transport constraints for Digital Program Insertion applications using SCTE 35 messaging. This document defines additional video coding and transport constraints on SCTE 128-1 and SCTE 128-2 (which constrains ITU-T H.264/ISO/IEC 14496-10 (“AVC”) video compression [14496-10] or on SCTE 215-1 and SCTE 215-2 (which constrains ITU-T H.265/ISO/IEC 23008-2 (“HEVC”) video compression [23008-2]) or on SCTE 281-1 and SCTE 281-2 (which constrains ITU-T H.266/ISO/IEC 23090-3 (“VVC”) video compression [23090-3]) for Digital Program Insertion applications using SCTE 35 messaging.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 215-1 202x, HEVC Video Constraints for Cable Television, Part 1- Coding (revision of ANSI/SCTE 215-1-2020)

This document specifies the creation of a HEVC coded video elementary stream for SDR and HDR formats (specifically HDR10) and is intended for cable video services applications such as broadcast, time-shifting (e.g., PVR/DVR service), Video-on-Demand services, and splicing (e.g., Ad-insertion) that could employ the specifications in this document. However, constraints specific to those applications are outside of the scope of this document.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

Comment Deadline: March 25, 2024

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2021-2021 (R202x), Wall Protectors, Floor Protectors, and Hearth Extensions (reaffirmation of ANSI/UL 2021-2021)

1 Scope 1.1 These requirements cover wall protectors, floor protectors, and hearth extensions that are intended for use with heat producing devices, such as fireplaces, fireplace stoves, fireplace inserts, and solid-fuel type room heaters. 1.2 Wall protectors, floor protectors, and hearth extensions are intended for installation in accordance with the Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel Burning Appliances, NFPA 211. 1.3 The factory-built fireplaces with which these products are used are intended to comply with the Standard for Factory-Built Fireplaces, UL 127. 1.4 The fireplace stoves with which these products are used are intended to comply with the Standard for Fireplace Stoves, UL 737. 1.5 The solid-fuel type room heaters with which these products are used are intended to comply with the Standard for Room Heaters, Solid-Fuel Type, UL 1482. 1.6 The pellet-fuel type room heaters with which these products are used are intended to comply with the Standard for Room Heaters, Pellet Fuel-Burning Type, ASTM E1509. 1.7 Floor protectors are not evaluated in regard to floor protection with substantial amounts of fuel burning directly on the floor protector surface.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments (copy psa@ansi.org) to: <https://csds.ul.com/Home/ProposalsDefault.aspx>.

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Jeffrey.prusko@ul.org, <https://ulse.org/>

Revision

BSR/UL 2586A-202x, Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85 (revision of ANSI/UL 2586A-2022)

The following is being proposed: (1) New joint standard, UL/ULC 2586A, Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85).

Single copy price: Free

Obtain an electronic copy 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/ProposalsAvailable>.

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Jeffrey.prusko@ul.org, <https://ulse.org/>

Revision

BSR/UL 2586B-202x, Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 2586B-2022)

The following is being proposed: (1) New joint standard, UL/ULC 2586B, Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil.

Single copy price: Free

Obtain an electronic copy 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/ProposalsAvailable>.

Comment Deadline: April 9, 2024

ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | heather@autolift.org, www.autolift.org

Revision

BSR/ALI ALCTV-202x, Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation (revision of ANSI/ALI ALCTV-2017)

This standard covers safety requirements for the design, construction, testing, and validation of automotive lifts used for vehicle service and parking. These covered automotive lifts may be of the following types: manually driven, power driven, stationary, mobile, and lifts tilting the raised vehicle in the pitch direction. Lifts that move a vehicle horizontally, allow different levels of entry and exit, are movable, are designed to rotate the vehicle in the yaw or roll direction, or are not used for vehicle service or parking, are outside the scope of this standard.

Single copy price: \$105.00

Order from: info@autolift.org

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

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME A112.4.1-2014 (R202x), Water Heater Relief Valve Drain Tubes (reaffirmation of ANSI/ASME A112.4.1-2014 (R2019))

This Standard establishes performance requirements and test methods applicable to water heater relief valve drain (or runoff) tubes for use with relief valves having a steam rating of 105,000 Btu/hr or less.

Single copy price: \$39.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME A112.4.3-1999 (R202x), Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System (reaffirmation of ANSI/ASME A112.4.3-1999 (R2019))

This Standard establishes physical, performance, and testing requirements applicable to the joint that connects a water closet to the sanitary drain piping of a plumbing system.

Single copy price: \$39.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

Comment Deadline: April 9, 2024

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME A112.14.6-2010 (R202x), FOG (Fats, Oils, and Greases) Disposal Systems (reaffirmation of ANSI/ASME A112.14.6-2010 (R2019))

This Standard establishes requirements for FOG (fats, oils, and greases) disposal systems. FOG disposal systems shall be designed to (a) remove FOG from effluent; (b) retain separated FOG; (c) internally dispose retained FOG by means and methods of mass and volume reduction as required by 4.3.2 of this Standard.

Single copy price: \$46.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME A112.19.12-2014 (R202x), Wall Mounted, Pedestal Mounted, Adjustable, Elevating, Tilting, and Pivoting Lavatory, Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems (reaffirmation of ANSI/ASME A112.19.12-2014 (R2019))

This Standard establishes physical requirements and tests addressing structural strength; adjustments; materials; drain line hydraulics; and mechanical, material, testing, marking, and documentation requirements for wall-mounted and pedestal-mounted, adjustable, elevating, tilting, and pivoting lavatory, sink, and shampoo bowl carrier systems and drain waste systems intended to facilitate use by individuals who are physically challenged.

Single copy price: \$39.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

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

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

Reaffirmation

INCITS/ISO/IEC 29362:2008 [R202x], Information technology - Web Services Interoperability - WS-I Attachments Profile Version 1.0 (reaffirm a national adoption INCITS/ISO/IEC 29362:2008 [R2014])

Defines the WS-I Attachments Profile 1.0, consisting of a set of non-proprietary Web services specifications, along with clarifications and amendments to those specifications that are intended to promote interoperability. It complements the WS-I Basic Profile 1.1 (ISO/IEC 29361:2008) to add support for interoperable SOAP Messages with Attachments-based Web services.

Single copy price: \$110.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: April 9, 2024

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

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

Reaffirmation

INCITS/ISO/IEC 29363:2008 [R202x], Information technology - Web Services Interoperability - WS-I Simple SOAP Binding Profile Version 1.0 (reaffirm a national adoption INCITS/ISO/IEC 29363:2008 [2014])

Defines the WS-I Simple SOAP Binding Profile 1.0, consisting of a set of non-proprietary Web services specifications, along with clarifications and amendments to those specifications which promote interoperability.

Single copy price: \$70.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Leslie.Malaki@ul.org, <https://ulse.org/>

Revision

BSR/UL 3600-202x, Measuring and Reporting Circular Economy Aspects of Products, Sites and Organizations (revision of ANSI/UL 3600-2023)

This second edition of this standard includes critical metrics and clear definitions. This standard covers the methods and metrics for measuring aspects of the Circular Economy. Aspects include, but are not limited to, materials flows and the impacts of those flows. The standard is split into two major parts: measuring the material flows (measurement methods) and measuring the impacts of those flows (analytics).

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Leslie Malaki <Leslie.Malaki@ul.org>

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | isabella.brodzinski@ul.org, <https://ulse.org/>

Revision

BSR/UL/ULC 1370-202x, Standard for Unvented Alcohol Fuel Burning Decorative Appliances (revision of ANSI/UL 1370-2016)

1 Scope 1.1 These requirements apply to factory-built unvented decorative appliances, that burn liquid or gelled alcohol-based fuels, and are intended to be fixed, non-moveable appliances, including only the following: (a) Floor-mounted appliances; (b) Wall-mounted appliances; (c) Free-standing appliances; (d) Fireplace grates installed in existing masonry fireplaces, and rated below 40,000 Btu/h (11.7 kW) output; and (e) Appliance combustion chambers installed into site-built enclosures. 1.2 These appliances are intended to be decorative in nature and not intended to be utilized as a primary heat source. These appliances are limited to a maximum fuel input rate of 0.25 US gal/h (0.95 L/h). 1.3 Floor-mounted, wall-mounted and free-standing appliances include an integral enclosure, fire chamber and fuel reservoir, or combination unit, and provision for refueling.

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Isabella Brodzinski, isabella.brodzinski@ul.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ASIS (ASIS International)

1625 Prince Street, Alexandria, VA 22314-2818 | standards@asisonline.org, www.asisonline.org

ANSI/ASIS SCRM.1-2014, Supply Chain Risk Management: A Compilation of Best Practices (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Aivelis Opicka <standards@asisonline.org>

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Laura Donohoe <ldonohoe@ecianow.org>

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 271-B-2019, Waveguide flanges - Pressurizeable contact types for waveguide sizes WR90 to WR2300 (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Laura Donohoe <ldonohoe@ecianow.org>

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 285-A-2019, Waveguide Flanges - Dual Contact Pressurizeable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Laura Donohoe <ldonohoe@ecianow.org>

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 304-A-2019, Rigid Waveguides (new standard)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Laura Donohoe <ldonohoe@ecianow.org>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB Std 154-2024, Standard for Training on Testimony for Forensic Biology (new standard) Final Action Date: 1/29/2024 | *New Standard*

ANSI/ASB Std 162-2024, Standard for the Forensic Examination and Documentation of Non-firearm Tools and Non-firearm Toolmarks (new standard) Final Action Date: 1/29/2024 | *New Standard*

AAMI (Association for the Advancement of Medical Instrumentation)

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

ANSI/AAMI/ISO 11140-6-2024, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers (identical national adoption of ISO 11140-6:2022) Final Action Date: 1/29/2024 | *National Adoption*

ADA (American Dental Association)

211 E. Chicago Avenue, Chicago, IL 60611-2678 | swickm@ada.org, www.ada.org

ANSI/ADA Standard No. 1113-2024, Contents of Dental Procedure-Level Data Required for Eligibility and Benefit Responses (new standard) Final Action Date: 1/31/2024 | *New Standard*

APTech (ASC CGATS) (Association for Print Technologies)

450 Rev Kelly Smith Way, Nashville, TN 37203 | jshaffer@aptech.org, www.printtechnologies.org

ANSI/CGATS/ISO 12646-2024, Graphic technology - Displays for colour proofing - Characteristics (identical national adoption of ISO 12646:2015 and revision of ANSI/CGATS/ISO 12646-2017) Final Action Date: 1/29/2024 | *National Adoption*

ANSI CGATS.5-2018 (R2024), Graphic technology - Spectral measurement and colorimetric computation for graphic arts images (reaffirm a national adoption ANSI CGATS.5-2018) Final Action Date: 1/29/2024 | *Reaffirmation*

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.62-2009 (R2024), Shock Test Requirements for Equipment in a Rugged Shock Environment (reaffirmation of ANSI/ASA S2.62-2009 (R2019)) Final Action Date: 2/5/2024 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

ANSI/ASAE EP364.4-FEB2013 (R2024), Installation and Maintenance of Farm Standby Electric Power (reaffirmation of ANSI/ASAE EP364.4-FEB2013 (R2018)) Final Action Date: 1/30/2024 | *Reaffirmation*

ANSI/ASAE S423.1-MAR2014 (R2024), Thermal Performance Testing of Open-Loop Solar Ambient Air Heaters with Defined Inlet and Outlet Conditions (reaffirmation of ANSI/ASAE S423.1-MAR2014 (R2018)) Final Action Date: 1/29/2024 | *Reaffirmation*

ANSI/ASAE S397.4 NOV2013 (R2024), Electrical Service and Equipment for Irrigation (reaffirmation of ANSI/ASAE S397.4 NOV2013 (R2018)) Final Action Date: 1/29/2024 | *Reaffirmation*

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

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

ANSI/ASHRAE Addendum a to Standard 160-2021, Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160-2021) Final Action Date: 1/31/2024 | *Addenda*

ANSI/ASHRAE Addendum b to Standard 41.2-2022, Standard Methods for Air Velocity and Airflow Measurement (addenda to ANSI/ASHRAE Standard 41.2-2022) Final Action Date: 1/31/2024 | *Addenda*

ANSI/ASHRAE Addendum g to ANSI/ASHRAE Standard 90.4-2022, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022) Final Action Date: 1/31/2024 | *Addenda*

ANSI/ASHRAE Standard 41.2a-2022, Standard Methods for Air Velocity and Airflow Measurement - Addendum a (addenda to ANSI/ASHRAE Standard 41.2-2022) Final Action Date: 1/31/2024 | *Addenda*

ASTM (ASTM International)

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

ANSI/ASTM ISO 13785-1-2024, Reaction-to-fire tests for facades - Part 1: Intermediate-scale test (identical national adoption of ISO 13785-1) Final Action Date: 1/23/2024 | *National Adoption*

ANSI/ASTM ISO 13785-2-2024, Reaction-to-fire tests for facades - Part 2: Large-scale test (identical national adoption of ISO 13785-2) Final Action Date: 1/23/2024 | *National Adoption*

ANSI/ASTM E3391-2024, Terminology Relating to Gunshot Residue Analysis (GSR) (new standard) Final Action Date: 1/15/2024 | *New Standard*

ANSI/ASTM F1322-2015 (R2024), Guide for Selection of Shipboard Incinerators (reaffirmation of ANSI/ASTM F1322-2015) Final Action Date: 1/23/2024 | *Reaffirmation*

ANSI/ASTM E136-2024, Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2022) Final Action Date: 2/1/2024 | *Revision*

ANSI/ASTM E1732-2024, Terminology Relating to Forensic Science (revision of ANSI/ASTM E1732-2022) Final Action Date: 2/1/2024 | *Revision*

ANSI/ASTM E2917-2024, Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs (revision of ANSI/ASTM E2917-2019a) Final Action Date: 2/1/2024 | *Revision*

ANSI/ASTM F708-2024, Practice for Design and Installation of Rigid Pipe Hangers (revision of ANSI/ASTM F708-1992 (2022)) Final Action Date: 1/23/2024 | *Revision*

ANSI/ASTM F2440-2024, Specification for Indoor Wall/Feature Padding (revision of ANSI/ASTM F2440-2018) Final Action Date: 2/1/2024 | *Revision*

ANSI/ASTM F3249-2024, Specification for Treestands, Climbing Sticks, and Tripod or Tower Stands (revision of ANSI/ASTM F3249-2020) Final Action Date: 2/1/2024 | *Revision*

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

ANSI/AWWA B300-2024, Hypochlorites (revision of ANSI/AWWA B300-2018) Final Action Date: 2/5/2024 | *Revision*

ANSI/AWWA B301-2024, Liquid Chlorine (revision of ANSI/AWWA B301-2017) Final Action Date: 2/5/2024 | *Revision*

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

ANSI/AWWA B403-2024, Aluminum Sulfate - Liquid, Ground, or Lump (revision of ANSI/AWWA B403-2016) Final Action Date: 1/29/2024 | *Revision*

ANSI/AWWA B405-2024, Sodium Aluminate (revision of ANSI/AWWA B405-2016) Final Action Date: 1/29/2024 | *Revision*

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | jsilveira@bicsi.org, www.bicsi.org

ANSI/BICSI 003-2024, Building Information Modeling (BIM) Practices for Information Communication Technology Systems (revision of ANSI/BICSI 003-2014) Final Action Date: 1/29/2024 | *Revision*

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

ANSI C136.59-2024, Co-Location Multi-Use Lighting Poles (new standard) Final Action Date: 1/29/2024 | *New Standard*

ANSI C136.21-2024, Roadway and Area Lighting - Vertical Tenons Used with Post Top Mounted Luminaires (revision of ANSI C136.21-2014 (R2019)) Final Action Date: 1/29/2024 | *Revision*

ANSI C136.42-2024, Roadway and Area Lighting Equipment - Solid State Lighting Retrofit Kits (revision of ANSI C136.42-2018) Final Action Date: 1/29/2024 | *Revision*

ANSI C136.12-2014 (S2024), Roadway and Area Lighting - Mercury Lamps - Guide for Selection (stabilized maintenance of ANSI C136.12-2014 (R2019)) Final Action Date: 1/29/2024 | *Stabilized Maintenance*

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Rosslyn, VA 22209 | brian.marchionini@nema.org, www.nema.org

ANSI C37.54-2024, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2023) Final Action Date: 1/30/2024 | *Revision*

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

ANSI/NFRC 100-2023 (EOA1), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2023 (EOA0)) Final Action Date: 1/29/2024 | *Revision*

ANSI/NFRC 203-2023 (EOA0), Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (revision of ANSI/NFRC 203-2020 [EOA1] (R2023)) Final Action Date: 1/29/2024 | *Revision*

ANSI/NFRC 200-2023 EOA1, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 EOA0) Final Action Date: 1/29/2024 | *Revision*

ANSI/NFRC 400-2023 EOA1, Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2023 EOA0) Final Action Date: 1/29/2024 | *Revision*

ANSI/NFRC 500-2023 EOA1, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2023 EOA0) Final Action Date: 1/29/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 3-2024 (i21r3), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2021) Final Action Date: 1/25/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 42-2024 (i133r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 44-2024 (i55r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 53-2024 (i158r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 58-2024 (i110r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 62-2024 (i48r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 170-2024 (i33r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2021) Final Action Date: 1/25/2024 | *Revision*

ANSI/NSF 244-2024 (i22r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2022) Final Action Date: 1/30/2024 | *Revision*

ANSI/NSF 401-2024 (i37r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2022) Final Action Date: 1/30/2024 | *Revision*

OPEI (Outdoor Power Equipment Institute)

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

ANSI/OPEI B175.4-2018 (R2024), Standard for Outdoor Power Equipment - Portable Handheld, Internal Combustion Engine-Powered Cut-Off Machines - Safety and Environmental Requirements (reaffirmation and redesignation of ANSI/OPEI B175.4-2018) Final Action Date: 1/29/2024 | *Reaffirmation*

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI/SCTE 135-03 2023, DOCSIS 3.0 Part 3: Security Services (revision of ANSI/SCTE 135-03-2019) Final Action Date: 2/1/2024 | *Revision*

SERI (Sustainable Electronics Recycling International)

P.O. Box 721, Hastings, MN 55033 | Mike@SustainableElectronics.org, www.sustainableelectronics.org

ANSI/SERI R2v3 (3.1)-2024, The Sustainable Electronics Reuse & Recycling Standard (addenda to ANSI/SERI R2-V3 -2020) Final Action Date: 1/31/2024 | *Addenda*

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

ANSI/UL 5B-2014 (R2024), Standard for Strut-Type Channel Raceways and Fittings (reaffirmation of ANSI/UL 5B-2014) Final Action Date: 1/30/2024 | *Reaffirmation*

ANSI/UL 60947-5-5-2019 (R2024), Standard for Low-Voltage Switchgear and Controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function (reaffirmation of ANSI/UL 60947-5-5-2019) Final Action Date: 1/31/2024 | *Reaffirmation*

ANSI/UL 19-2024, Standard for Lined Fire Hose and Hose Assemblies (revision of ANSI/UL 19-2018) Final Action Date: 2/2/2024 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 219-2024, Standard for Lined Fire Hose for Interior Standpipes (revision of ANSI/UL 219-2018) Final Action Date: 1/30/2024 | *Revision*

ANSI/UL 486E-2024, Standard for Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors (revision of ANSI/UL 486E-2019) Final Action Date: 1/31/2024 | *Revision*

ANSI/UL 746B-2024, Standard for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2022) Final Action Date: 2/2/2024 | *Revision*

ANSI/UL 1598-2024, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2021) Final Action Date: 1/31/2024 | *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

AAMI - Association for the Advancement of Medical Instrumentation

Revision of ISO 23500:2019

AAMI RD, Renal Disease and Detoxification Committee is seeking user, and general interest/regulator members to participate in the revision of the ISO 23500:2019, *Preparation and quality management of fluids for haemodialysis and related therapies series standards: Part 1: General requirements; Part 2: Water treatment equipment for haemodialysis applications and related therapies; Part 3, Water for haemodialysis and related therapies; Part 4: Concentrates for haemodialysis and related therapies; Part 5, Quality of dialysis fluids for haemodialysis and related therapies*; Contact: [Jill Zajac JZajac@aami.org](mailto:Jill.Zajac@aami.org)

ANSI Accredited Standards Developer

AWS - American Welding Society

D14 Committee on Machinery and Equipment

The American Welding Society (AWS) D14 Committee on Machinery and Equipment is actively seeking participation from the interest categories of user, general interest, and educator. To apply or obtain additional information please contact Kevin Bulger at kbulger@aws.org by July 1, 2024. For more information, see www.aws.org.

ANSI Accredited Standards Developer

AWS - American Welding Society

C3 Committee on Brazing and Soldering

The American Welding Society (AWS) C3 Committee on Brazing and Soldering is actively seeking participation from the interest categories of user, general interest, and educator. To apply or obtain additional information please contact Kevin Bulger at kbulger@aws.org by July 1, 2024. For more information, see www.aws.org.

ANSI Accredited Standards Developer

ECIA - Electronic Components Industry Association

ECIA, through its EIA Standards Committee (ESC), provides a unique forum for the discussion of technical issues and development of industry standards that drive the manufacture, application and use of electronic component products and systems on a global basis. These voluntary industry standards carry the "EIA Standards" trademark and are developed in accordance with, and accredited by, the American National Standards Institute (ANSI).

Anyone with a material interest in the subject matter may participate on an ECIA standards committee. Membership in all interest categories is always welcome; however, ECIA is particularly seeking General Interest members for the following committees:

ACH Automated Component Handling - Committee Scope: Develop and maintain engineering standards and publications for tape, reels, magazines, trays, etc. for handling components in production. Also, provide technical input to US national positions on related international standards issues and proposals.

P-1 Resistive Devices - Committee Scope: All types of resistive components regardless of technology. Includes composition, film, wirewound, thermistors, varistors, networks, chip resistors and integrated passive devices

P-2.1 Ceramic Dielectric Capacitors - Committee Scope: All types of Ceramic Dielectric Capacitors.

P-2.2 Paper, Film, Mica & Wet-Electrolytic Capacitors - Committee Scope: Paper, film, mica and wet-electrolytic capacitors for all AC and DC applications, except inductive heating and utility power-factor correction.

P-2.5 Solid Electrolytic Capacitors - Committee Scope: All types of Tantalum Capacitors.

P-3 Inductive Components - Committee Scope: Covers all types of inductive components regardless of technology used in electronic circuits. It includes inductors, rf. (chokes, filters, interference filters, inductors and transformers), chip inductors, and variable inductors.

Soldering Technology - Committee Scope: The STC encompasses soldering practices (soldering iron-mass reflow techniques) and associated soldering materials (solders, pastes and adhesives, and flux/cleaning agents). However, the Committee will focus on solderability test method development for printed throughhole (PTH) and surface mountable components. One of the major functions is to promote commonality and standardization of soldering test methodology within the EIA Sectors.

For more information or to sign up for the meetings, please contact [Ed Mikoski Jr.](#), Vice-President of Standards and Technology or [Laura Donohoe](#), Manager of Standards and Technology.

ADCI (Association of Diving Contractors International)

Santa Barbara City College, 721 Cliff Drive, Santa Barbara, CA 93109 | thielst@sbcc.edu, www.adc-int.org

BSR/ADCI 01-202X, Commercial Diver Training - Minimum Standard (new standard)

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 1500 I-P-202x, Performance Rating of Commercial Space Heating Boilers (revision of ANSI/AHRI Standard 1500-2014)

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | buflodj@api.org, www.api.org

BSR/API RP 3000-202x, Classifying and Loading of Crude Oil into Rail Tank Cars (revision of ANSI/API RP 3000-2014 (R2022))

AWS (American Welding Society)

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

BSR/AWS A5.13/A5.13M-202x, Specification for Surfacing Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.13/A5.13M-2021)

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

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

HI (Hydraulic Institute)

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

BSR/HI 9.8-202x, Rotodynamic Pumps for Pump Intake Design (revision of ANSI/HI 9.8-2018)

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

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

INCITS/ISO/IEC 29362:2008 [R202x], Information technology - Web Services Interoperability - WS-I Attachments Profile Version 1.0 (reaffirm a national adoption INCITS/ISO/IEC 29362:2008 [R2014])

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

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

INCITS/ISO/IEC 29363:2008 [R202x], Information technology - Web Services Interoperability - WS-I Simple SOAP Binding Profile Version 1.0 (reaffirm a national adoption INCITS/ISO/IEC 29363:2008 [2014])

NSF (NSF International)

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

BSR/NSF 42-202x (i130r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

NSF (NSF International)

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

BSR/NSF 49-202x (i195r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

NSF (NSF International)

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

BSR/NSF 53-202x (i155r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022)

NSF (NSF International)

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

BSR/NSF 173-202x (i114r1), Dietary Supplements (revision of ANSI/NSF 173-2022)

NSF (NSF International)

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

BSR/NSF 401-202x (i35r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i55r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i56r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i68r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i41r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i44r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)

NSF (NSF International)

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

BSR/NSF 455-4-202x (i48r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022)

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Alexandria, VA 22314 | bpavlik@phta.org, www.PHTA.org

BSR/PHTA/ICC-5-202x, Standard for Residential Inground Swimming Pools (revision and redesignation of ANSI/APSP/ICC-5 2011 (R2022))

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | megan.monsen@ul.org, <https://ulse.org/>

BSR/UL 2278-202x, Standard for Safety for Megawatt Charging Configured Electric Vehicle Couplers (new standard)

Call for Members (ANS Consensus Bodies)

National Council for Prescription Drug Programs (NCPDP)

Enrollment in the 2024 Consensus Group opens Monday, January 15, 2024 and closes at 8:00 p.m. EST on Friday, February 16, 2024. Information concerning the Consensus Group registration process is available by contacting:

Margaret Weiker
National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 477-1000
E-mail: mweiker@ncpdp.org

Standards:

Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both “Desk Top” claim audits and for in-store audit notices.

Batch Standard Subrogation - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.

Benefit Integration Standard - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Billing Unit Standard - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.

Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

Medicaid Pharmacy Encounters Reporting – provides standardization of data content and file layout for reporting of Medicaid Managed Care Organization pharmacy claims to a state agency.

Post Adjudication Standard – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.

Prescription Drug Monitoring Programs (PDMP) Reporting Standard – developed to report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs.

Prescription Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.

Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Product Identifiers Standard – developed to provide a standard for consistent formatting and utilization of product identifiers in healthcare and to provide clarification for maintenance of these specific product identifiers.

Real-Time Prescription Benefit Standard – developed a real-time pharmacy benefit inquiry from a provider EMR application to: leverage pharmacy industry standards and technology infrastructure, to deliver an accurate, pharmacy specific, “Patient Pay Amount” for a proposed medication and quantity and to collaboratively align stakeholders.

Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/ pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.

SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.

Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.

Specialty Pharmacy Data Reporting Standard - provides a standardized format for the data submitted by specialty pharmacy to drug manufacturers/others to support programs and agreements between the parties.

State Medicaid Provider File Standard - developed a standard by which state Medicaid agencies or other entities could communicate their provider data with the MCOs/PBMs in a consistent and streamlined manner.

Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.

Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

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

CGA - Compressed Gas Association

Effective January 26, 2024

The reaccreditation of **CGA - Compressed Gas Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on CGA-sponsored American National Standards, effective **January 26, 2024**. For additional information, please contact: Kristy Mastromichalis, Compressed Gas Association (CGA) | 8484 Westpark Drive, Suite 220, McLean, VA 22102 | (703) 788-2728, kmastromichalis@cganet.com

Approval of Reaccreditation – ASD

NASPO - North American Security Products Organization

Effective January 26, 2024

The reaccreditation of **NASPO - North American Security Products Organization** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NASPO-sponsored American National Standards, effective **January 26, 2024**. For additional information, please contact: Michael O'Neil, North American Security Products Organization (NASPO) | 1300 I Street, NW, Suite 400E, Washington, DC 20005 | (612) 281-7141, mikeo@naspo.info

Public Review of Application for ASD Accreditation

SFIA - Steel Framing Industry Association

Comment Deadline: 3/11/2024

The Steel Framing Industry Association (SFIA) has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on SFIA-sponsored American National Standards. SFIA's proposed scope of standards activity is as follows:

The scope of Steel Framing Industry Association (SFIA) activities encompass the development, reaffirmation, revision, and withdrawal of American National Standards for the design and construction of Cold-Formed Steel Framing and accessories.

As the proposed procedures are available electronically, the public review period is 30 days. To view or download a copy of SFIA's proposed operating procedures from ANSI Online during the public review period, [click here](#).

Please direct public comments by March 11, 2024 to: Larry Williams, Steel Framing Industry Association (SFIA) | 513 W Broad Street, Suite 210, Falls Church, VA 22046 | (703) 538-1613, lwilliams@steel framing.org (please copy jthomps@ansi.org)

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

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

Comment Deadline: March 11, 2024

ASHRAE - American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. has submitted revisions to its currently accredited Procedures for ASHRAE Standards Actions (PASA) for documenting consensus on ASHRAE-sponsored American National Standards, under which it was last reaccredited in 2023. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Tanisha Meyers-Lisle, Asst Mgr of Standards - Administration, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE) | 180 Technology Parkway, Peachtree Corners, GA 30092 | (678) 539-1111, TMeyers-Lisle@ashrae.org

To view/download a copy of the revisions during the public review period, [click here](#)

Please submit any public comments on the revised procedures to ASHRAE by **March 11, 2024**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompo@ANSI.org)

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)
AARST (American Association of Radon Scientists and Technologists)
AGA (American Gas Association)
AGSC (Auto Glass Safety Council)
ASC X9 (Accredited Standards Committee X9, Incorporated)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
ASME (American Society of Mechanical Engineers)
ASTM (ASTM International)
GBI (Green Building Initiative)
HL7 (Health Level Seven)
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.

AAFS

American Academy of Forensic Sciences
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AAMI

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ADA (Organization)

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ADCI

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BICSI

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IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
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ITI (INCITS)

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NEMA (ASC C136)

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NEMA (ASC C37)

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NEMTAC

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NFRC

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OPEI

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SERI

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ULSE

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ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 6900, Dried red jujubes - Specification and test methods - 4/18/2024, \$62.00

ISO/DIS 20948, Vegetable fats and oils - Determination of aflatoxins B1, B2, G1, G2 by immunoaffinity column clean-up and high-performance liquid chromatography - 4/19/2024, \$71.00

ISO/DIS 22002-100, Prerequisite programmes on food safety - Part 100: PRP requirements common for food, feed, and packaging supply chain - 4/25/2024, \$77.00

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 11197, Medical supply units - 4/19/2024, \$112.00

Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

ISO/DIS 23551-10, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 10: Vent valves - 4/19/2024, \$88.00

Cryogenic vessels (TC 220)

ISO/DIS 21028-1, Cryogenic vessels - Toughness requirements for materials at cryogenic temperature - Part 1: Temperatures below -80 degrees C - 4/18/2024, \$46.00

Dentistry (TC 106)

ISO/DIS 16408, Dentistry - Oral care products - Oral rinses - 4/25/2024, \$46.00

Elevating Work Platforms (TC 214)

ISO/DIS 18878, Mobile elevating work platforms - Operator (driver) training - 4/22/2024, \$67.00

Fine ceramics (TC 206)

ISO/DIS 19628, Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of specific heat capacity - 4/21/2024, \$93.00

ISO/DIS 20351, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for optical properties of ceramic phosphors for white light-emitting diodes using an integrating sphere - 4/18/2024, \$62.00

Fire safety (TC 92)

ISO/DIS 9239-1, Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source - 4/20/2024, \$93.00

Fisheries and aquaculture (TC 234)

ISO/DIS 20423, Carbon footprint for seafood - Product category rules (CFP-PCR) for macroalgae - 4/22/2024, \$88.00

Industrial fans (TC 117)

ISO 5801:2017/DAMd 1, - Amendment 1: Fans - Performance testing using standardized airways - Amendment 1 - 4/25/2024, \$58.00

Information and documentation (TC 46)

ISO/DIS 11108, Information and documentation - Archival paper - Requirements for permanence and durability - 4/19/2024, \$46.00

Petroleum products and lubricants (TC 28)

ISO/DIS 19970, Refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels - Metering of gas as fuel on LNG carriers during cargo transfer operations - 4/21/2024, \$62.00

Road vehicles (TC 22)

ISO/DIS 15118-21, Road vehicles - Vehicle to grid communication interface - Part 21: Common 2nd generation network layer and application layer requirements conformance test plan - 4/18/2024, \$203.00

Safety of toys (TC 181)

ISO/DIS 8124-4, Safety of toys - Part 4: Activity toys for domestic use - 4/18/2024, \$146.00

Security (TC 292)

ISO/DIS 22344, Security and resilience - Protective security - Guidelines for crime prevention through environmental design for residential facilities - 4/22/2024, \$62.00

Ships and marine technology (TC 8)

ISO/DIS 7613, Ships and marine technology - Hopper dredger - Trailing suction tube position monitoring system - 4/18/2024, \$58.00

Textiles (TC 38)

ISO/DIS 13118, Textile - Biaxial tensile properties of woven fabric - Determination of elasticity properties using a cruciform test piece - 4/20/2024, \$58.00

Tyres, rims and valves (TC 31)

ISO/DIS 18511-1, Tyre abrasion rate measurement methods - Part 1: Outdoor test method by using vehicles on road - 4/19/2024, \$88.00

Waste collection and transportation management (TC 297)

ISO/DIS 13155, Refuse Collection Vehicles - Terminology of Main Functional Components & Performance Indicators - 4/20/2024, \$98.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 21471, Information technology - Automatic identification and data capture techniques - Extended rectangular data matrix (DMRE) bar code symbology specification - 4/25/2024, \$77.00

IEC Standards**All-or-nothing electrical relays (TC 94)**

94/975/CDV, IEC 63522-35 ED1: Electrical relays - Tests and Measurements - Part 35: Resistance to cleaning solvents, 04/26/2024

94/974/CDV, IEC 63522-5 ED1: Electrical relays - Tests and Measurements - Part 5: Insulation resistance, 04/26/2024

Automatic controls for household use (TC 72)

72/1412/NP, PNW 72-1412 ED1: Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensor elements, 03/01/2024

Dependability (TC 56)

56/2043/DTR, IEC TR 63162 ED1: Electric components - Reliability - Failure rates at reference conditions, 03/29/2024

Documentation and graphical symbols (TC 3)

3/1651/FDIS, IEC 81355-1 ED1: Industrial systems, installations and equipment and industrial products - Classification and designation of information - Part 1: Basic rules and classification of information, 03/15/2024

Electrical equipment in medical practice (TC 62)

62A/1559/CD, IEC TS 81001-2-2 ED1: Health software and health IT systems safety, effectiveness and security - Part 2-2: Guidance for the implementation, disclosure and communication of security needs, risks and controls, 04/26/2024

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

97/267(F)/FDIS, IEC 61820-1-2 ED1: Electrical installations for aeronautical ground lighting at aerodromes - Part 1-2: Fundamental principles - Particular requirements for series circuits, 03/01/2024

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

18/1878/CDV, IEC/IEEE 80005-3 ED1: Utility connections in port - Part 3: Low Voltage Shore Connection (LVSC) Systems - General requirements, 03/29/2024

Electrostatics (TC 101)

101/705/FDIS, IEC 61340-5-1 ED3: Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements, 03/15/2024

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

104/1041(F)/FDIS, IEC 60721-3-9 ED2: Classification of environmental conditions - Part 3-9: Classification of groups of environmental parameters and their severities - Microclimates inside products, 03/01/2024

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

112/631/FDIS, IEC 62631-2-3 ED1: Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods, 03/15/2024

Fibre optics (TC 86)

86A/2430/CD, IEC 60793-2-60 ED2: Optical fibres - Part 2-60: Product specifications - Sectional specification for category C single-mode interconnection fibres, 03/29/2024

86A/2408/CDV, IEC 60794-1-133 ED1: Optical fibre cables - Part 1-133: Generic specifications - Basic optical cable test procedures - Mechanical test methods - Multiple cable coiling and uncoiling performance, Method E33, 04/26/2024

86B/4868/FDIS, IEC 60875-1 ED7: Fibre optic interconnecting devices and passive components - Non-wavelength-selective fibre optic branching devices - Part 1: Generic specification, 03/15/2024

86C/1900(F)/CDV, IEC 61280-2-13 ED1: Fibre optic communication subsystem test procedures - Part 2-13: Digital systems - Measurement of error vector magnitude, 04/12/2024

86C/1912/FDIS, IEC 61280-4-2 ED3: Fibre-optic communication subsystem test procedures - Part 4-2: Installed cabling plant - Single-mode attenuation and optical return loss measurements, 03/15/2024

86B/4846/CDV, IEC 61300-3-46 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-46: Examinations and Measurements - Bore diameter in rectangular ferrules, 04/26/2024

86B/4867/FDIS, IEC 61753-082-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 m WWDM devices for category C - Indoor controlled environment, 03/15/2024

86B/4863(F)/FDIS, IEC 61755-3-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 03/01/2024

86B/4864(F)/FDIS, IEC 61755-3-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres - angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 03/01/2024

86B/4866/FDIS, IEC 61978-1 ED4: Fibre optic interconnecting devices and passive components - Fibre optic passive chromatic dispersion compensators - Part 1: Generic specification, 03/15/2024

Fuel Cell Technologies (TC 105)

105/1020/CDV, IEC 62282-3-202 ED1: Fuel cell technologies - Part 3-202: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems that can be complemented with a supplementary heat generator for multiple units operation by an energy management system, 04/26/2024

105/1032/NP, PNW 105-1032 ED1: Fuel cell technologies - Multi-generation of fuel cell systems for electricity, hydrogen generation and cooling - Performance test methods, 04/26/2024

Industrial-process measurement and control (TC 65)

65E/1039(F)/CDV, IEC 62541-1 ED1: OPC Unified Architecture - Part 1: Overview and Concepts, 04/19/2024

65E/1057(F)/CDV, IEC 62541-10 ED4: OPC Unified Architecture - Part 10: Programs, 04/19/2024

65E/1050(F)/CDV, IEC 62541-100 ED2: OPC Unified Architecture - Part 100: Device Interface, 04/19/2024

65E/1058(F)/CDV, IEC 62541-11 ED3: OPC Unified Architecture - Part 11: Historical Access, 04/19/2024

65E/1051(F)/CDV, IEC 62541-12 ED2: OPC Unified Architecture - Part 12: Discovery and global services, 04/19/2024

65E/1059(F)/CDV, IEC 62541-13 ED3: OPC Unified Architecture - Part 13: Aggregates, 04/19/2024

65E/1044(F)/CDV, IEC 62541-19 ED1: OPC Unified Architecture - Part 19: Dictionary Reference, 04/19/2024

65E/1040(F)/CDV, IEC 62541-2 ED1: OPC Unified Architecture - Part 2: Security Model, 04/19/2024

65E/1045(F)/CDV, IEC 62541-20 ED1: OPC Unified Architecture - Part 20: File Transfer, 04/19/2024

65E/1046(F)/CDV, IEC 62541-21 ED1: OPC Unified Architecture - Part 21: Device Onboarding, 04/19/2024

65E/1047(F)/CDV, IEC 62541-22 ED1: OPC Unified Architecture - Part 22: Base Network Model, 04/19/2024

65E/1048(F)/CDV, IEC 62541-23 ED1: OPC Unified Architecture - Part 23: Common ReferenceTypes, 04/19/2024

65E/1049(F)/CDV, IEC 62541-24 ED1: OPC Unified Architecture - Part 24: Scheduler, 04/19/2024

65E/1061/CDV, IEC 62541-3 ED4: OPC Unified Architecture - Part 3: Address Space Model, 04/26/2024

65E/1053(F)/CDV, IEC 62541-4 ED4: OPC Unified Architecture - Part 4: Services, 04/19/2024

65E/1062/CDV, IEC 62541-5 ED4: OPC Unified Architecture - Part 5: Information Model, 04/26/2024

65E/1063/CDV, IEC 62541-6 ED4: OPC Unified Architecture - Part 6: Mappings, 04/26/2024

65E/1054(F)/CDV, IEC 62541-7 ED4: OPC Unified Architecture - Part 7: Profiles, 04/19/2024

65E/1055(F)/CDV, IEC 62541-8 ED4: OPC Unified Architecture - Part 8: Data Access, 04/19/2024

65E/1056(F)/CDV, IEC 62541-9 ED4: OPC Unified Architecture - Part 9: Alarms and Conditions, 04/19/2024

65B/1253/DTS, IEC TS 63165 ED1: Requirements for industrial water quality analyzer system - Photometry, 03/29/2024

Insulators (TC 36)

36/594(F)/FDIS, IEC 62896 ED1: Hybrid insulators for a.c. and d.c. for high-voltage applications greater than 1000V AC and 1500 V DC - Definitions, test methods and acceptance criteria, 02/23/2024

Performance of household electrical appliances (TC 59)

59K/383/CDV, IEC 60704-2-10 ED3: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-10: Particular requirements for ranges, ovens, steam ovens, grills and microwave ovens, 04/26/2024

Semiconductor devices (TC 47)

47/2835/NP, PNW 47-2835 ED1: Future IEC 63287-4: Semiconductor devices - Guidelines for reliability qualification plans - Part 4: Early failure assessment, 04/26/2024

47D/962/NP, PNW TS 47D-962 ED1: Part model guideline for electronic-device packages - XML requirements, 04/26/2024

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

121/160/DTR, IEC TR 63482 ED1: Maintenance of low voltage switchgear and controlgear and their assemblies., 03/29/2024

(SyCAAL/SyCSmartCities)

SyCAAL/334/DTS, IEC SRD 63426 ED1: Reference standards portfolio (RSP) on interoperability and connectivity for active assisted living (AAL) in the connected home environment (CHE), 03/29/2024

SyCSmartCities/322/DTS, IEC SRD 63476-1 ED1: Smart city system ontology - Part 1: Gap analysis, 03/29/2024

(TC 125)

125/95/FDIS, IEC 63281-3-2 ED1: E-Transporters - Part 3-2: Performance test methods for mobility of cargo e-Transporters, 03/15/2024

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC41/393/CDV, ISO/IEC 30181 ED1: Internet of Things (IoT) - Functional architecture for resource ID interoperability, 04/26/2024



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

Acoustics (TC 43)

[ISO 10302-1:2024](#), Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 1: Airborne noise measurement, \$210.00

Aircraft and space vehicles (TC 20)

[ISO 12604-2:2024](#), Aircraft ground handling - Checked baggage - Part 2: Handling requirements and guidelines, \$116.00

Analysis of gases (TC 158)

[ISO 6142-2:2024](#), Gas analysis - Preparation of calibration gas mixtures - Part 2: Gravimetric method for Class II mixtures, \$116.00

Cleaning equipment for air and other gases (TC 142)

[IEC 63086-2-1:2024](#), \$235.00

Ferrous metal pipes and metallic fittings (TC 5)

[ISO 4179:2024](#), Ductile iron pipes and fittings for pressure and non-pressure pipelines - Cement mortar lining, \$77.00

Industrial automation systems and integration (TC 184)

[ISO 16400-2:2024](#), Automation systems and integration - Equipment behaviour catalogues for virtual production systems - Part 2: Formal description of a catalogue template, \$210.00

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

[ISO 6338-1:2024](#), Calculations of greenhouse gas (GHG) emissions throughout the liquefied natural gas (LNG) chain - Part 1: General, \$157.00

[ISO 15589-2:2024](#), Oil and gas industries including lower carbon energy - Cathodic protection of pipeline transportation systems - Part 2: Offshore pipelines, \$237.00

[ISO 16904-2:2024](#), Installation and equipment for liquefied natural gas - Design and testing of marine transfer systems - Part 2: Design and testing of transfer hoses, \$237.00

Petroleum products and lubricants (TC 28)

[ISO 18335:2024](#), Petroleum products and related products - Determination of kinematic viscosity by calculation from the measured dynamic viscosity and density - Method by constant pressure viscometer, \$51.00

Plastics (TC 61)

[ISO 10364:2024](#), Structural adhesives - Determination of the pot life (working life) of multi-component adhesives, \$77.00

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

[ISO 16422-1:2024](#), Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Part 1: General, \$77.00

[ISO 16422-2:2024](#), Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Part 2: Pipes, \$157.00

[ISO 16422-5:2024](#), Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Part 5: Fitness for purpose of the system, \$77.00

Ships and marine technology (TC 8)

[ISO 16425:2024](#), Ships and marine technology - Specifications for the installation of ship communication networks for shipboard equipment and systems, \$263.00

[ISO 19847:2024](#), Ships and marine technology - Shipboard data servers for sharing field data at sea, \$263.00

Small tools (TC 29)

[ISO 603-8:2024](#), Bonded abrasive products - Dimensions - Part 8: Grinding wheels for deburring and fettling/snagging on stationary machine, \$51.00

[ISO 603-9:2024](#), Bonded abrasive products - Dimensions - Part 9: Grinding wheels for high-pressure grinding, \$51.00

Transport information and control systems (TC 204)

[ISO 23795-2:2024](#), Intelligent transport systems - Extracting trip data using nomadic and mobile devices for estimating CO2 emissions - Part 2: Information provision for eco-friendly driving behaviour, \$116.00

Wood-based panels (TC 89)

[ISO 12460-2:2024](#), Wood-based panels - Determination of formaldehyde release - Part 2: Small-scale chamber method, \$237.00

ISO Technical Reports

Earth-moving machinery (TC 127)

[ISO/TR 6750-2:2024](#), Earth-moving machinery - Operators manual - Part 2: List of references, \$51.00

Mechanical testing of metals (TC 164)

[ISO/TR 15263:2024](#), Measurement uncertainties in mechanical tests on metallic materials - The evaluation of uncertainties in tensile testing, \$210.00

ISO Technical Specifications

Agricultural food products (TC 34)

[ISO/TS 16465:2024](#), Animal and vegetable fats and oils - Determination of phthalates in vegetable oils, \$157.00

Health Informatics (TC 215)

[ISO/TS 5499:2024](#), Health informatics - Clinical particulars - Core principles for the harmonization of therapeutic indications terms and identifiers, \$157.00

Nanotechnologies (TC 229)

[ISO/TS 7833:2024](#), Nanotechnologies - Extraction method of nanomaterials from lung tissue by proteinase K digestion, \$116.00

Road vehicles (TC 22)

[ISO/TS 5474-5:2024](#), Electrically propelled road vehicles - Functional and safety requirements for power transfer between vehicle and external electric circuit - Part 5: Automatic conductive power transfer, \$116.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 11801-9909:2020/Cor 1:2024](#), Corrigendum, FREE

ISO/IEC JTC 1, Information Technology

[ISO/IEC 7184:2024](#), Office equipment - Security requirements for hard copy devices (HCDs) - Part 1: Definition of the basic requirements, \$77.00

IEC Standards

Electrical equipment in medical practice (TC 62)

[IEC 61676 Ed. 2.0 b Cor.1:2024](#), Corrigendum 1 - Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology, \$0.00

Fibre optics (TC 86)

[IEC 60794-2-23 Ed. 1.0 b:2024](#), Optical fibre cables - Part 2-23: Indoor cables - Detail specification for multi-fibre cables for use in MPO connector terminated cable assemblies, \$95.00

[IEC 60794-1-311 Ed. 1.0 b:2024](#), Optical fibre cables - Part 1 -311: Generic specification - Basic optical cable test procedures - Cable element test methods - Tensile strength and elongation test for cable elements, Method G11A, \$51.00

[IEC 60794-1-312 Ed. 1.0 b:2024](#), Optical fibre cables - Part 1 -312: Generic specification - Basic optical cable test procedures - Cable element test methods - Elongation test for buffer tubes at low temperature, Method G11B
, \$95.00

Flat Panel Display Devices (TC 110)

[IEC 62629-52-1 Ed. 1.0 en:2024](#), 3D displays - Part 52-1: Fundamental measurement methods of aerial display - Optical, \$190.00

Performance of household electrical appliances (TC 59)

[IEC 61855 Ed. 2.0 b Cor.1:2024](#), Corrigendum 1 - Household and similar use electrical hair care appliances - Methods for measuring the performance, \$0.00

Power system control and associated communications (TC 57)

[IEC 61970-302 Ed. 2.0 b:2024](#), Energy management system application program interface (EMS-API) - Part 302: Common information model (CIM) dynamics, \$512.00

Safety of household and similar electrical appliances (TC 61)

[IEC 60335-2-7 Ed. 9.0 b:2024](#), Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, \$329.00

[IEC 60335-2-7 Ed. 9.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, FREE

[IEC 60335-2-7 Ed. 9.0 en:2024 EXV](#), Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, \$958.00

[IEC 60335-2-7-EXV-CMV Ed. 9.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, \$1477.00

[IEC 60335-2-11 Ed. 9.0 b:2024](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$278.00

[IEC 60335-2-11 Ed. 9.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$595.00

[IEC 60335-2-11 Ed. 9.0 en:2024 EXV](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$958.00

[IEC 60335-2-11-EXV-CMV Ed. 9.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$1397.00

[IEC 60335-2-27 Ed. 7.0 b:2024](#), Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, \$329.00

[IEC 60335-2-27 Ed. 7.0 en:2024 EXV](#), Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, FREE

[IEC 60335-2-41 Ed. 5.0 b:2024](#), Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, \$234.00

[IEC 60335-2-41 Ed. 5.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, FREE

[IEC 60335-2-41 Ed. 5.0 en:2024 EXV](#), Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, \$958.00

[IEC 60335-2-41-EXV-CMV Ed. 5.0 en:2024 CMV](#), Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, \$1295.00

[S+ IEC 60335-2-27 Ed. 7.0 en:2024 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, FREE

[S+ IEC 60335-2-27-EXV-RLV Ed. 7.0 en:2024 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, \$1018.00

Switchgear and controlgear (TC 17)

[IEC 62271-100 Ed. 3.0 b Cor.3:2024](#), Corrigendum 3 - High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers, \$0.00

Wearable electronic devices and technologies (TC 124)

[IEC 63203-402-2 Ed. 1.0 b:2024](#), Wearable electronic devices and technologies - Part 402-2: Performance measurement of fitness wearables - Step counting, \$145.00

IEC Technical Reports

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

[IEC/TR 63447-2 Ed. 1.0 en:2024](#), Form factor of smart mobile device - Part 2: Use cases of multimedia services, \$145.00

Surface mounting technology (TC 91)

[IEC/TR 61760-5-1 Ed. 1.0 en:2024](#), Surface mounting technology - Part 5-1: Surface strain on circuit boards - Strain gauge measurement applied to chip components, \$190.00

IEC Technical Specifications

Surface mounting technology (TC 91)

[IEC/TS 62878-2-10 Ed. 1.0 en:2024](#), Device embedding assembly technology - Part 2-10: Design specification for cavity substrate, \$51.00

International Electrotechnical Commission (IEC)

Call for Members (USNC)

IEC approved one (1) new Committee: IEC Project Committee (PC) 131 Rotating electrical machines for the traction of road vehicles

NEMA was recently approved as the USNC TAG Administrator to PC 131. Individuals who are interested in becoming a USNC Technical Advisory Group (TAG) member for the USNC TAG to PC 131 Rotating electrical machines for the traction of road vehicles are invited to contact **Ade Gladstein** at agladstein@ansi.org as soon as possible.

Please see the scope for PC 131 below:

Scope

Standardization of rotating electrical machines for the traction of road vehicles without limitations of voltage below <1000/1500 AC/DC, output (power, torque and speed) or dimensions with the exception of the following: - Traction motors within the scope of TC 9: Electric railway equipment – including traction motors for trolleybuses;

- Motors and generators within the scope of TC 2: Rotating machinery;*
- Motors and generators for use in aeronautics or space applications;*
- Motors and generators for road vehicles which are not intended for the traction of them;*
- road vehicles with pantographs.*

Call for Members (USNC)

USNC TAG to IEC SC 23K Electrical Energy Efficiency products

The USNC Technical Advisory Group (TAG) to IEC SC 23K *Electrical Energy Efficiency products* would like to grow its membership. Individuals who are interested in joining the USNC TAG to IEC SC 23K as members are invited to contact Adelana Gladstein at agladstein@ansi.org as soon as possible.

Scope: IEC SC 23K *Electrical Energy Efficiency products*

Standardisation in the field of Energy Efficiency products, systems and solutions, to be used in existing and new electrical installations, for monitoring, measuring, controlling, managing and optimizing the overall efficient use of a.c. and d.c. electrical energy for household and similar.

International Electrotechnical Commission (IEC)

U.S. Representatives Needed

IEC Market Strategy Board (MSB)

Response Deadline: March 8, 2024

Mr. Michael Regelski's final term on the IEC Market Strategy Board (MSB) ends on 31 May 2024. Individuals interested in serving as a US representative to the IEC MSB are invited to contact **Ade Gladstein at agladstein@ansi.org by Friday, 8 March 2024.**

Please see the scope for the IEC MSB below:

The IEC Board delegates to the Market Strategy Board (MSB) the identification and investigation of principle technological trends and market needs in the Commission's fields of activity.

The MSB collaborates with the CAB and the SMB, and with other relevant bodies reporting to the IEC Board.

It may establish Special Working Groups (SWGs) to investigate certain subjects in-depth or to develop a specialized document.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC/TC 57 Power systems management and associated information exchange

Response Deadline: March 1, 2024

CSA Group is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/TC 57 *Power systems management and associated information exchange*. The USNC is looking for a new organization to take on this USNC TAG Administratorship.

Please note that according to the rules and procedures of the USNC, a USNC TAG cannot exist without a USNC TAG Administrator. If we cannot find a new USNC TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If any organizations are interested in the position of USNC TAG Administrator for the USNC TAG to IEC/57, they are invited to contact Ade Gladstein at agladstein@ansi.org by 1 March 2024.

Please see the scope for TC 57 *Power systems management and associated information exchange* below:

To prepare international standards for power systems control equipment and systems including EMS (Energy Management Systems), SCADA (Supervisory Control And Data Acquisition), distribution automation, teleprotection, and associated information exchange for real-time and non-real-time information, used in the planning, operation and maintenance of power systems. Power systems management comprises control within control centres, substations and individual pieces of primary equipment including telecontrol and interfaces to equipment, systems and databases, which may be outside the scope of TC 57. The special conditions in a high voltage environment have to be taken into consideration.

Note 1: Standards prepared by other technical committees of the IEC and organizations such as ITU and ISO shall be used where applicable.

Note 2: Although the work of TC 57 is chiefly concerned with standards for electric power systems, these standards may also be useful for application by the relevant bodies to other geographical widespread processes.

Note 3: Whereas standards related to measuring and protection relays and to the control and monitoring equipment used with these systems are treated by TC 95, TC 57 deals with the interface to the control systems and the transmission aspects for teleprotection systems. Whereas standards related to equipment for electrical measurement and load control are treated by TC 13, TC 57 deals with the interface of equipment for interconnection lines and industrial consumers and producers requiring energy management type interfaces to the control system.

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 c
to ANSI/ASHRAE Standard 15.2-2022**

Third Public Review Draft

**Addendum c to
Standard 15.2-2022, Safety Standard
for Refrigeration Systems in
Residential Applications**

**Third Public Review (January 2024)
(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

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

FOREWORD

This proposed addendum corrects misalignment between ANSI/ASHRAE Standard 15.2 and UL 60335-2-40, Household and Similar Electrical Appliances — Safety — Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers to ensure that listed products are correctly installed, which is critical for AHJs, installers, and others. This third ISC public review document includes needed changes pointed out by reviewers of the second public review.

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

Addendum c to Standard 15.2-2022

Modify Section 5 as follows. The remainder of Section 5 remains unchanged.

[...]

5.3.1 *Refrigeration systems using an A2L refrigerant with more than m_1 releasable refrigerant charge shall have a leak detection system ~~when not using continuous circulation airflow for compliance with Section 9.5.1 and when not using continuous ventilation air for compliance with Section 9.5.2~~ if operation for circulation or ventilation is initiated by a leak detection system for compliance with Section 9.5.*

[...]

5.3.3

b. ~~The set points to initiate mitigation actions shall not be manually or remotely adjustable by field service technicians.~~

[...]

e. Have self-diagnostics to determine operational status of the ~~refrigerant~~ sensing element, ~~if employed.~~

f. Upon failure of a self-diagnostic check, energize air circulation fans of the equipment and ventilation fans, if applicable, per Section 11.

g. Generate an output signal in not more than 30 seconds when exposed to a refrigerant concentration of 25% LFL (+0%, -1%). Tested under either of the following two conditions to ensure an output signal is initiated in not more than
~~1. 15 seconds when sensing a refrigerant concentration of $\leq 25\%$ LFL or~~
~~2. 10 seconds when sensing a refrigerant concentration of $> 25\%$ but $\leq 100\%$ LFL.~~

[...]

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. LOCATION OF REFRIGERATION SYSTEMS AND RESTRICTIONS

[...]

7.1.1 Outdoor Equipment. Equipment installed outdoors shall be listed and marked as suitable for outdoor use ~~“For outdoor use only” per UL 1995/CSA C22.2 No. 236⁴ or rated IPX4 or higher per UL 60335-2-40/CSA C22.2 No. 60335-2-40² by the manufacturer.~~

[...]

Modify Section 8 as follows. The remainder of Section 8 remains unchanged.

[...]

8.4.2 Joints Between Different Piping Materials. Adapter fittings with threaded ends between different materials shall be joined with proper thread lubricant in accordance with Section ~~8.5.4.2~~8.4.5.2.3.

[...]

8.5.2.1 Field Applied Joints.

[...]

- c. Enclosed in a manner that will direct a leak in the joint to the appliance with a ~~refrigerant leak~~ refrigerant leak detection system or to the outdoors

[...]

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

9. REFRIGERANT CHARGE LIMITS

[...]

9.4.2.1 Spaces Connected by Ducted HVAC Systems with a ~~Refrigerant Leak Detection System~~ or Ducted HVAC Systems Using Continuous Air Circulation. The aggregate floor area of *spaces* connected to the same supply air distribution *ductwork* shall be used as the dispersal floor area. Spaces where the airflow may be limited by zone dampers shall not be included in the determination of dispersal floor area for ducted HVAC systems using continuous air circulation.

9.5* Maximum Allowable Refrigerant Charge. The maximum *refrigerant charge* (m_{\max}) allowed for the *dispersal volume* identified using Section 9.4 shall be determined as follows. The circulation and ventilation operations in sections 9.5.1 and 9.5.2 shall be continuous or initiated by a leak detection system.

9.4.2.2 Spaces Connected by Ducted HVAC Systems without a ~~Refrigerant Leak Detection System~~. The *dispersal floor area* shall be the smallest room floor area of any *space* connected to the same supply air distribution *ductwork*.

[...]

- 9.6.4.1** *Safety shut-off valves shall be specified for use in the manufacturer's installation instructions. When safety shut-off valves are activated by the ~~refrigerant~~ leak detection system, the valves shall close and remain closed until corrective action is taken. Safety shut-off valves shall be designed to close in the event of an electric power failure.*

Modify Section 11 as follows. The remainder of Section 11 remains unchanged.

11. MECHANICAL VENTILATION

[...]

- 11.1.1** *Ventilation air shall be operated continuously in accordance with Section 11.1.1.1 or controlled by a ~~refrigerant~~ leak detection system provided by the manufacturer that is integral to the appliance in accordance with Section 11.1.1.2.*

[...]

- 11.1.1.2** *Operation by **Refrigerant Leak Detection System**. Ventilation initiation by a ~~refrigerant~~ leak detection system shall operate continuously for a minimum of five minutes after the ~~refrigerant~~ leak detection system is automatically reset due to ~~refrigerant~~ concentration falling below the set point. The ventilation airflow shall be verified by a monthly self test. Upon detection of the ventilation system failure, the refrigeration system compressor operation shall cease.*

- 11.1.2** ***Airflow Control Devices.** Airflow control devices, such as air valves or dampers, shall be driven fully opened when a ~~refrigerant~~ leak detection system detects ~~refrigerant~~ a refrigerant leak. ~~Zone dampers, where present, shall fully open when a refrigerant leak detection system detects refrigerant a leak.~~*



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

Fourth Public Review Draft

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

**Second Public Review (February 2024)
(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.

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

BSR/ASHRAE Addendum t to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems*
Fourth 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

Many of the proposed changes to ANSI/ASHRAE Standard 15 since 2015 have been associated with the impending refrigerant changes due to global warming and climate change, beginning with Addendum d and Addendum h to Standard 15-2016, which addressed specific applications for A2L refrigerants. Several addenda to ANSI/ASHRAE Standard 15-2019 continued this trend, with Addendum c to Standard 15-2019 addressing A3 refrigerant charge in self-contained equipment, Addendum e addressing piping related changes, Addendum l specifically focusing on commercial refrigeration equipment using flammable refrigerants, and Addendum g addressing the concept of releasable charge. Other addenda to Standard 15-2019 also address these topics.

The original impetus for this proposed addendum was to address changes for applications of cooling equipment specific to information technology equipment (ITE) and data center installations. The mitigation principles (refrigerant charge size restrictions, refrigerant detection, air circulation, and product listing) are the same as other applications using flammable refrigerants. One significant difference in ITE applications, due to the sensitive nature of electronic equipment to cleanliness, is that emergency ventilation using outside air is typically not an acceptable mitigation strategy. The proposed addendum allows use of air from other spaces within the building.

The first publication public review (PPR1) draft of this proposed addendum was written to revise the text of ANSI/ASHRAE Standard 15-2019 which has now been superseded. The second publication public review (PPR2) draft proposed revisions to ANSI/ASHRAE Standard 15-2022 and showed proposed changes to the current edition of the standard, rather than proposed changes to the previous PPR1 draft, with additional modifications in response to public comments received. The third publication public review (PPR3) made fundamental changes to the approach for handling information technology equipment (ITE) and data center applications, in response to public comments to the PPR2 draft. The intent was to address the concerns expressed for ITE applications in a general manner that applies to all refrigerating system installations, thus avoiding the need to define new terms specific to ITE applications. Accordingly, use of the “human comfort” terminology was proposed to be removed from Section 7.6 to allow the requirements of that section to apply to other types of process cooling or heating. Additional changes related to the removal of “human comfort” terminology were published in Addendum e to ANSI/ASHRAE Standard 15-2022, so those changes have been removed from this fourth publication public review draft. This fourth publication public review (PPR4) draft makes additional clarifying revisions in response to public comments.

Note: This public review makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions), except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous public review draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment, except as related to the proposed substantive changes.

Addendum t to Standard 15-2022

Modify Section 3 as follows. The remainder of Section 3 remains unchanged.

3. DEFINITIONS

3.1 Defined Terms

[...]

group controller: an electrical or electronic control system that monitors and responds to multiple distinct inputs from two or more refrigerating systems. ~~appliances or refrigeration machinery units.~~

[...]

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[...]

7.2* Volume Calculations

[...]

~~7.2.3.1.1*~~ Excluded Volume

- a. ~~Where a refrigerant detection system is utilized to initiate airflow as a mitigation action, or airflow operates continuously other than short periods for maintenance and service, the effective dispersal volume shall exclude any volume at elevations greater than 24 in. (0.60 m) above the elevation of the highest point of the highest supply or return airflow opening.~~
- b. ~~Where not utilizing a refrigerant detection system and not operating airflow continuously other than short periods for maintenance and service, the effective dispersal volume shall exclude any volume above the elevation of the highest release point in the event of a refrigerant release, but the height used to determine effective dispersal volume shall not be less than 24 in. (0.60 m) above the lowest point of the floor.~~

~~7.2.3.1.2~~ 7.2.3.1.1 Exempted Spaces. ...

[...]

Note to Reviewers: Refer to Addendum e to ANSI/ASHRAE Standard 15-2022 for changes to Section 7.6. The section title is revised to "High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers using Group A2L."

[...]

7.6.2.5* Mitigation Action Requirements. ...

[...]

Where SSOVs have the ability to be automatically reset, it shall not be permissible for the SSOVs to be automatically reset until the refrigerant detection system has not detected a concentration of refrigerant above the set point of Section 7.6.2.4(a) for at least two hours.

7.6.2.6* Group Controllers. Utilization of a group controller for ~~multiple appliances or~~ refrigeration systems serving the same space or *connected spaces*, ~~with each unit containing one or more independent circuits,~~ shall comply with the following:

- a. ~~The refrigerant detection system of for each unit~~ refrigerating system shall provide an output a signal to notify the group controller when mitigation actions of Section 7.6.2.5 are required ~~or have been activated.~~
- b. Where a group controller determines that an output a signal comes from one or more specific units refrigerating systems, it shall be permissible for the group controller to specify which refrigerating systems active or deactivate only the specific units to perform mitigation actions in accordance with required by Section 7.6.2.5. Where a group controller cannot determine the specific ~~source or sources of an output a~~ signal, the group controller shall command require all of the units refrigerating systems serving the same space or *connected spaces* to perform *mitigation actions* in accordance with Section 7.6.2.5.
- c. A group controller shall not deactivate mitigation actions where a refrigerant detection system outputs a signal to require refrigerant detector replacement, automatically reset to deactivate mitigation actions after the time requirements of Section 7.6.2.5. Administrative controls shall be used for manual reset of a group controller after mitigation actions in accordance with Section 7.6.2.5.

[...]

Modify Informative Appendix A as follows. The remainder of Informative Appendix A remains unchanged.

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

(This appendix 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.)

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk “*” after the section number.

[...]

Section 7.2.3.1.1

~~When Section 7.2.3.1.1(a) applies, there will be airflow as a *mitigation action* during a *refrigerant* release event. In this case, some of the volume above the highest point of airflow supply or return is assumed to participate in the dispersion of *refrigerant* due to the mixing effect of the airflow movement. When the highest point of any supply or return is within 24 in. (0.60 m) of the highest point of the ceiling, whether a flat or a sloped ceiling, then the full volume of the space may be used when determining the *effective dispersal volume*.~~

~~When Section 7.2.3.1.1(b) applies, there may not be airflow as a *mitigation action* during a *refrigerant* release event. In this case, the volume above the point of *refrigerant* release is assumed to not participate in the dispersion of a heavier than air *refrigerant*, except for the case when the point of release is near the floor, i.e., below 24 in. (0.60 m). *Refrigerant* release events with a release point near the floor have a strong tendency to pool with a relatively high local concentration of *refrigerant*, and that concentration gradient is the motive force for *refrigerant* to diffuse upwards within a small zone. For multi-level floors (e.g., with steps or slopes), a heavier than air *refrigerant* will move to the lowest point (analogous to spilled water, but with differences in dispersion characteristics).~~

[...]

Section 7.6.2.6

The optional use of a *group controller* may permit one or more appliances or refrigeration systems serving a space or *connected spaces* to continue operation during a *refrigerant* release event from another appliance or refrigeration system. However, the minimum requirements for each of the applicable *mitigation actions* must still be met. The *refrigerant detection system* output signal or the *group controller* may also notify the user or operating personnel.

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

NSF/ANSI International Standard for Biosafety Cabinetry —

Informative Annex 1 (formerly Annex E)

Biosafety cabinet selection, installation, use, lifespan, and decommissioning

The information contained in this annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to this standard.

I-1.3.3.5 Base stands, Supports, Restraints

Base Stands with and without lifts or supports or required restraints (i.e., seismic) shall be considered at the time of specification. Some models of cabinets can weigh up to 900 lb (408 kg). The BSC must be attached to a manufacturer recommended base stand to support the unit's weight. All base stands have a maximum height specified by the manufacturer to prevent overturning of the BSC; this maximum should never be exceeded. Seismic restraints if required shall meet all state and local building codes and receive approval from the local authority having jurisdiction.

I-1.3.3.6 Mobile or non-permanent installations

BSCs used with ~~Mobile~~ mobile or castored base stands with and without lifts ~~capability have been used when the BSC is~~ can be operated in multiple routine marked locations in the same or adjoining laboratories. Proper cabinet airflow performance ~~operation~~ should be confirmed by airflow ~~patterns tests~~ pattern testing at each marked routine location used. ~~site of use~~. If the BSC on a mobile or castored base stand ~~cabinet~~ is relocated to another non-routine marked location, laboratory, or facility, ~~or~~ and is subjected to excessive shock, or vibration, or both, during the move. ~~moving, the~~ The BSC should be recertified and airflow performance again checked at each location used to ensure it is functioning in a proper manner.

I-1.8 Moving a permanently installed BSC

I-1.8.1 It is a common practice to move permanently installed BSCs to other locations within a laboratory or to other laboratories. Despite the apparent simplicity of the job, there are certain conditions that must be met prior to moving this equipment. BSCs should not be moved without consultation with a biosafety professional.

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I-1.8.2 Existing BSCs and ancillary equipment, such as canopy connection exhaust ducting, gas, electric and vacuum connections, should be cleared for maintenance by a biosafety professional prior to disassembly. Depending on circumstances of the move, (i.e., access for service around cabinet, cabinet use, new permanent location, etc.), BSCs may be required to be space decontaminated before the move. After a BSC is moved, it may also be required to ~~should~~ be re-certified according to applicable performance standards.

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I-1.9 BSC lifespan

The current lifespan of a BSC is approximately 15 yr. Use of modern day BSCs began in the early 1970s with BSCs that were manufactured to the NIH-03-112C standard and subsequently NSF/ANSI 49. BSCs manufactured in the 1970s, through the early 2000s, ~~1980s, and early 1990s~~ have provided over 15 yr of service. Several considerations should be made of BSCs in this age group:

- will the BSC need extensive service? (i.e., HEPA/ULPA filter replacement, blower / motor replacement, will the electrical wire harnesses need replacement, etc.);
- can an older BSC be commissioned after it has been in storage or purchased as a resale?
- will original test reports be available or will the BSC be commissioned to current NSF standards?

After 15 yr, replacement parts may or may not be available due to electrical or mechanical changes at the factory or industrial part suppliers. For example, magnetic ballasts and T12 fluorescent bulbs may not be available, as well as single phase AC motors. In addition, today's BSCs have evolved through the years with many improvements in containment, ergonomics, serviceability, and energy efficiency. That should be considered in a BSC repair versus replacement decision.

***Rationale:** updating Informative Annex 1 to reflect more specific language surrounding the installation and lifespans of BSCs.*

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NSF/ANSI Standard for Dietary Supplements –

Dietary Supplements

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7 Test methods used by testing laboratories for detection of contaminants – Dietary ingredients and finished products

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7.3 Test methods for microbiological contaminants

7.3.1 Reference methods

Testing shall be performed based on the currently promulgated version of the USP. ~~With the exception of Pseudomonas, †~~ Testing methods shall adhere to those described in USP <2021> Microbial Enumeration Tests – Nutritional and Dietary Supplements²⁰ and USP <2022> Microbiological Procedures for Absence of Specified Microorganisms – Nutritional and Dietary Supplements²⁰. ~~For Pseudomonas, testing methods shall adhere to those described in USP <62> Microbiological Examination of Nonsterile Products: Tests for Specified Microorganisms²⁰.~~

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.5 Operation

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4.5.34 The water supply ~~and delivery system~~ shall be safe and sanitary. Water that may contact a product contact surface or is a component shall meet federal, state, and local requirements for drinking water. [21 C.F.R. § 111.15 (e) & 21 C.F.R. § 117.37 (a)]

~~4.5.35 Water sources shall not act as a potential source of contamination of the dietary supplement, either due to water purity or due to the configuration and construction of the water delivery system. [21 C.F.R. § 111.15 (f3)]~~

Water delivery system and water treatment systems shall not act as a potential source of contamination of the dietary supplement. [21 C.F.R. § 111.15 (f3)]

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.5 Operation

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~~4.5.47 For each manufactured batch of dietary supplement, the BPR shall accurately follow the MMR with all steps being performed, and it shall contain complete information related to the production and control of the batch. BPRs shall be maintained for at least 1 yr after the shelf life date, if shelf life dating is being used, or at least 2 yr beyond the date of distribution of the last batch associated with those records. [21 C.F.R. § 111.255]~~

A batch production record shall be prepared for each manufactured batch of dietary supplement. It shall accurately follow the MMR with all the steps being performed. [21 C.F.R. § 111.255(a,c,d)]

~~4.5.48 The batch record shall follow the master record and each step shall be performed appropriately. [21 C.F.R. § 111.260]~~

The batch production record shall contain complete information related to the production and control of the manufactured batch of dietary supplement. It shall contain all the required elements as defined in 21 C.F.R. § 111.260. [[21 C.F.R. § 111.255(b) & 21 C.F.R. § 111.260]

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.4 Audit planning

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5.4.3 Preparation by the company

It is expected that the site be prepared for the certification audit, have ready access to appropriate documentation, and provide appropriate staff during the visit. The site shall ensure that the scope of certification (e.g., product categories and technologies) is in operation during the audit. ~~the operations for each product technology and product category will be operational for the intended scope of certification.~~ The auditor(s) ~~have~~ has the discretion to continue the audit until satisfied the intended scope has been assessed. Where a significant process is conducted seasonally or only occasionally, either (1) the audit shall be scheduled for that time, or (2) the general audit is conducted as scheduled and a separate audit is required to assess that process.

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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4 Audit requirements

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4.6 Performance evaluation

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4.6.13 There is a system for investigating, reporting, and follow-up for complaints alleging adverse events involving bodily injury. [SEC. 604(5) and SEC. 605 of the FD&C Act & U.S. FDA Cosmetic GMP guidance]

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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5 Audit process

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

Good Manufacturing Practices for Over-the-Counter Drugs

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5 Audit process

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5.4 Audit planning

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BSR/UL 50E, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations

1. Sealing Compound at Joints or Seams

PROPOSAL

7.8 Factory-applied sealing compounds

7.8.1 A sealing compound that is factory-applied on a Type 2, 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 5, 6, 6R, 12, 12K, or 13 enclosure and is relied upon to comply with the design tests of this standard shall be applied to the inside cavity of an enclosure, including at joints or seams ~~or openings~~.

Note 1: This requirement, prior to the sealant compound curing or hardening, does not preclude untrimmed seepage through the joints ~~or~~ seams ~~or openings~~ to the enclosure's exterior during the factory application, nor does this requirement preclude factory-applied sealant by encapsulation from the exterior.

Note 2: This requirement does not address field-application of sealant compounds in accordance with manufacturer's installation instructions.

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BSR/UL 343, Standard for Safety for Pumps for Oil-Burning Appliances

1. Addition of Biodiesel (B100) requirements

SA7.4.1.3 Static seals shall be subjected to the Volume Change and Extraction Test in accordance with the Standard for Gaskets and Seals, UL 157, except for the following modifications:

- a) The test duration shall be 1000 hours;
- b) The applicable test fluids shall be FB25a for blend levels from B6-B20 and B100a for blend levels from B6-B100 as described in Supplement SB; and
- c) For all materials, the average volume change shall not exceed 40% swell (increase in volume) or 1% shrinkage (decrease in volume). In addition, the weight loss shall not exceed 10%. For coated fabrics, alternate limits can be used with the average volume change not exceeding 60% swell or 5% shrinkage, and the weight loss shall not exceed 20%. There shall be no visual evidence of cracking or other degradation as a result of the exposure for any material including coated fabrics.

SA7.4.1.4 Static seals shall be subjected to the Compression Set Test in accordance with the Standard for Gaskets and Seals, UL 157, except for the following modifications:

- a) The test duration shall be 1000 hours.
- b) The samples shall be immersed, at room temperature, in the test fluids [see (c)] while compressed for the entire test duration. No oven conditioning is required.
- c) The applicable test fluids shall be FB25a for blend levels from B6-B20 and B100a for blend levels from B6-B100 as described in Supplement SB.
- d) The recovery period shall consist of removing the sample from the compression device and immersing it in the applicable test fluid for 30 minutes at room temperature. The sample shall not be allowed to dry out due to exposure to air. The 30-minute immersion should use the same fluid as the test fluid for each sample.
- e) For all materials, the average compressions set is calculated and shall not exceed 35 percent. For coated fabrics, alternate limits can be used with the average compression set not exceeding 70%.

Exception: This requirement does not apply to composite gasket materials as defined in accordance with the Standard for Gaskets and Seals, UL 157.

SA7.4.2.3 Dynamic seals shall be subjected to the Volume Change and Extraction Test in accordance with the Standard for Gaskets and Seals, UL 157, except for the following modifications:

- a) The test duration shall be 1000 hours;
- b) The applicable test fluids shall be FB25a for blend levels from B6-B20 and B100a for blend levels from B6-B100 as described in Supplement SB; and
- c) For all materials, the average volume change for a gasket or seal material shall not exceed 40% swell (increase in volume) or 1% shrinkage (decrease in volume). In addition, the weight loss shall not exceed 10%. For coated fabrics, alternate limits can be used with the average volume change not exceeding 60% swell or 5% shrinkage, and the weight loss shall not exceed 20%. There shall be no visual evidence of cracking or other degradation as a result of the exposure for any material including coated fabrics.

SA7.4.2.4 Dynamic seals shall be subjected to the Tensile Strength and Elongation Test in accordance with the Standard for Gaskets and Seals, UL 157, except for the following modifications:

- a) The test duration shall be 1000 hours;
- b) The applicable test fluids shall be FB25a for blend levels from B6-B20 and B100a for blend levels from B6-B100 as described in Supplement SB; and
- c) For all materials, the average tensile strength and the average elongation of materials shall not be less than 60 percent of the as-received values. For coated fabrics, alternate limits can be used with the average tensile strength and the average elongation not less than 30% of the as-received values.

SUPPLEMENT SB (normative) – TEST FLUIDS

SB1 Representative Aggressive Combustible Test Fuel Mixture

The test fluid designations represent the following:

FB25a – An aggressive test fluid containing 25 percent biodiesel with aggressive elements:

F = Reference Fuel F (No. 2 Grade S500) in accordance with the Standard Specification for Standard Test Method for Rubber Property – Effects of Liquids, ASTM D471.

B = Biodiesel (100 percent Soy feedstock) in accordance with the Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels, ASTM D6751.

a = Aggressive components to be mixed with B to form B100 as an aggressive Biodiesel Stock.

B100a – An aggressive test fluid containing 100 percent biodiesel with aggressive elements:

B = Biodiesel (100 percent Soy feedstock) in accordance with the Standard Specification for Biodiesel Fuel Blend Stock(B100) for Middle Distillate Fuels, ASTM D6751.

a = Aggressive components to be mixed with B to form B100 as an aggressive Biodiesel Stock.

The aggressive biodiesel containing <0.5 percent volume combined water and decanoic acid shall be based on the approximate formula below (*) to achieve a final 1.00 ± 0.02 acid number of the mixture when measured in accordance with the Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration, ASTM 664.

0.2 percent volume acid water [2.60 g decanoic acid crystals/1000 g of deionized water](†)

The resulting solution, after mixing the above elements, shall have an acid number of 1.0 ± 0.02 . After the measurement is determined, an acid number not within the specification of 1.0 ± 0.02 shall be adjusted with additional biodiesel fuel or decanoic acid added until the acid number is 1.0 ± 0.02 .

This fluid shall be used to condition samples when a test indicates this fluid is to be used. The test fluid shall be prepared just prior to use to minimize changes resulting from exposure to air and moisture and from interactions with storage and transfer containers.

Products intended to be rated for use with diesel fuel or diesel/biodiesel fuel blends with nominal biodiesel concentrations up to 20 percent (B0-B20) shall be evaluated using the FB25a test fluid as the only applicable test fluid. Products intended to be rated for biodiesel/biodiesel blends with nominal biodiesel concentrations greater than 20 percent (B21-B100) shall be evaluated using the B100a test fuel as the applicable test fluid.

(*) Note: The formula is approximate since each source of biodiesel may have variations in specific gravity and initial acid number that require measurement and final adjustment as specified.

(†) Note: Decanoic acid crystals are insoluble in water, so are recommended to be finely ground and thoroughly mixed in the overall solutions before acid number measurements are taken.

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Standard: UL 705

Standard Title: Standard for Power Ventilators

Date of Proposal: February 9, 2024

Comments Due: March 11, 2024

SUMMARY OF TOPICS

The following changes in requirements are being proposed for preliminary review and comment only:

1. **For Preliminary Review Only: Update Test Method SA13-Lint Test**
2. **For Preliminary Review Only: Add UL 2043 Requirements as an Alternative to UL 723**

This proposal is for review and comment only (no ballot at this time). Please note that comments on a preliminary review document will not receive a response from the proposal author through CSDS. Instead, the proposal author will be asked to review the comments and adjust the proposals and/or supporting rationale as the author determines to be appropriate. The preliminary review process is an informal mechanism that provides authors with the opportunity to refine their proposals before they advance to the next stage in UL's standards development process.

In some cases, the author of the proposals may choose to discontinue them. In this case, the author need not do anything after preliminary review has ended. Normally, the next step in the process is the more formal ballot and stakeholder review process. Only comments posted during the ballot and stakeholder review process will be provided with a response in CSDS.

UL Standards & Engagement's goal is to have no interest category comprise more than one-third of the TC membership. To improve the current balance for TC 507, UL Standards & Engagement is looking for participants in the following interest categories: AHJ, Commercial/Industrial User, Consumer, General, Government, Supply Chain, and Testing & Standards. Definitions for these interest categories are available [here](#).

If you are interested in applying for membership or are aware of potential candidates, please [complete an application](#) or forward this link on to potential candidates.

Need access to the full standard or a standard this proposal references? [Click here](#) to learn more about accessing UL and ULC Standards. TC Members can find the latest copy of the standard from the My TCs page in CSDS.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. For Preliminary Review Only: Update Test Method SA13-Lint Test

RATIONALE

Proposal submitted by: Brandon Svitak, Systemair MFG INC

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SA13-Lint Test method contains equipment specifications found in standard LP1, published by the AATCC (American Association of Textile, Chemists and Colorists). As mentioned in the forward of this standard, the parameters are updated periodically to more closely mirror consumer practices and allow the use of available consumer machines. Since its original publication in 2010, standard LP1 has seen multiple revisions due to evolving energy efficiency requirements. The original specifications detailed in UL705 are no longer available in today's consumer washer models.

Update table SA13.1 standard washing machine parameters and include alternate laundering parameters for both top-loading and side-loading washing machines as published in AATC LP1.

Section SA 13.5 discusses the specimen criteria which is very specific, making it difficult to satisfy both the weight, size and quantity requirements. Easing the requirements on 1 of the 3 parameters will make section SA 13.5 more usable. All dimensions are still common except for the 30-inch by 54-inch which is now 27 inches by 54 inches.

PROPOSAL

SA13.5 One load of new terry cloth towels weighing 7 ± 0.2 pounds (3.15 ± 0.1 kg) shall be subjected to a wash cycle described in Table SA13.1. The load is to consist of 5 a combination of pieces measuring 30 inches (762 mm) 27 inches (686mm) by 54 inches (1372 mm), one piece measuring 16 inches (406 mm) by 26 inches (660 mm), and one piece measuring 12 inches (305 mm) by 12 inches (305 mm).

Table SA13.1
Wash cycle details

<u>Details</u>	<u>Setting-Standard Washing Machine Parameters</u>	<u>High-efficiency Top-loading Washing Machines, Agitator Style, 2018</u>	<u>High-efficiency Top-loading Washing Machines, Impeller Style, 2018</u>
Machine Cycle	Normal/Cotton	Normal	
Washing Temperature	$60^{\circ} \pm 3^{\circ}\text{C}$ ($140^{\circ} \pm 5^{\circ}\text{F}$)	$54^{\circ} \pm 4.2^{\circ}\text{C}$ ($130^{\circ} \pm 7.5^{\circ}\text{F}$)	
Water Level	48 ± 1 gallons		
Agitator Speed	179 ± 2 spm <u>86 ± 2 spm</u>	<u>60 ± 5 spm</u>	
Washing Time	12 minutes		
Spin Speed	645 <u>660 ± 15 rpm</u>	<u>660 ± 20 rpm</u>	
Final Spin Time	6 minutes <u>5 ± 1 min</u>	<u>5 - 10 min</u>	
<u>Water Level</u>	<u>19 ± 1 Gallons</u>	<u>18 ± 2 Gallons</u>	<u>11.5 Gallons</u>
<u>Washing Time</u>	<u>16 ± 1 minutes</u>	<u>14 ± 2 minutes</u>	<u>14 ± 2 minutes</u>
Detergent	66 ± 1 grams of 1993 AATCC Standard Reference Detergent	<u>50 ± 1 mL of 1993 AATCC High Efficiency (HE) Standard Reference Liquid Detergent</u>	<u>50 ± 1 mL of 1993 AATCC High Efficiency (HE) Standard Reference Liquid Detergent</u>

SA13.7 While the first load of terry cloth is in the clothes dryer, a second load of terry cloth – terry cloth load 2, as described in SA13.5 shall be subjected to the wash cycle described in Table SA13.1. Upon completion of this wash cycle, terry cloth load 2 shall be transferred to the tumble dryer with dryer cycle controls set to generate the conditions described in Table SA13.2. Terry cloth load 1 shall be subjected again to the wash cycle described in Table SA13.1. Lint shall be removed from the lint trap and weighed after each drying cycle. ~~This sequence shall be repeated until the total weight of the lint collected is as described in SA13.1.~~

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2. For Preliminary Review Only: Add UL 2043 Requirements as an Alternative to UL 723

RATIONALE

Proposal submitted by: Kent Nelson, UL Solutions

Other Standards such as UL 1995 have alternative requirements for materials in a compartment handling conditioned air for circulation through a duct system which are appropriate for testing discrete products. These requirements are necessary for those components which cannot be tested in full sheets as is required for UL 723.

PROPOSAL

6.4.1 Materials in a compartment handling conditioned air for circulation through a duct system shall have a flame spread rating of not more than 25, and a smoke developed rating of not more than 50, when tested as specified in the requirements for the Standard for Test for Surface Burning Characteristics of Building Materials, UL 723. Alternately, the material shall be evaluated and determined to have a maximum optical density of 0.5 or less and an average optical density of 0.15 or less and a peak heat release rate of 100 kW or less when tested in accordance with UL 2043. This requirement does not apply to the following:

- a) Air filters, drive belts, wire insulation, paint applied for corrosion protection, or tubing of material equivalent to one of the types of wire insulation permitted by this Standard;
- b) Gaskets forming air or water seals between metal parts;
- c) Miscellaneous small parts such as refrigerant line bushings or insulating bushings, resilient or vibration mounts, wire ties, clamps, labels, or drain line fittings having a total exposed surface area not exceeding 161.29 cm² (25 in²);
- d) An adhesive that, when tested in combination with the specific insulating material, complies with the requirement;
- e) Moulded or formed components (not liners) of polymeric materials in such quantities that their total exposed surface area within the compartment does not exceed 0.93 m² (10 ft²); or
- f) Materials in a compartment handling air for circulation through a duct supplying only one room.

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BSR/UL 1565, Standard for Safety for Positioning Devices

1. Topic – Addition of Note 5 in scope for Raceway

PROPOSAL

1.5 These requirements do not apply to cable ties or cable tie accessories (See Note 1), coated electrical sleeving (See Note 2), extruded insulating tubing (See Note 3), mechanical protection tubing (See Note 4), metallic or nonmetallic raceways (See Note 5), woven flexible (fiber loom) sleeving or nonmetallic tubing employed as mechanical protection for insulated wires or equipment covered by other standards or requirements.

Note 1: Cable ties and cable tie accessories are covered in the Standard for Cable Management Systems - Cable Ties for Electrical Installations, CAN/CSA-C22.2 No. 62275 or the Standard for Cable Management Systems - Cable Ties for Electrical Installations UL 62275.

Note 2: Coated electrical sleeving is covered in the Standard for Coated Electrical Sleeving, CAN/CSA-C22.2 No. 198.3 or the Standard for Coated Electrical Sleeving, UL 1441.

Note 3: Extruded insulating tubing is covered in the Standard for Extruded Insulating Tubing, CAN/CSA-C22.2 No. 198.1 or the Standard for Extruded Insulating Tubing, UL 224.

Note 4: Mechanical Protective Tubing (MPT) is covered in the Standard for Mechanical Protection Tubing (MPT) and Fittings, CSA C22.2 No. 227.3 or the Standard for Mechanical Protection Tubing (MPT) and Fittings, UL 1696.

Note 5: Metallic and nonmetallic raceways are covered in the Standard for Surface Metal Raceways and Fittings, UL 5, the Standard for Surface Raceways Systems, CSA C22.2 No. 62, the Standard for Nonmetallic Surface Raceways and Fittings, CSA C22.2 No. 62.1, or the Standard for Nonmetallic Surface Raceways and Fittings, UL 5A.

3 Referenced Publications

CSA Group Standards

CSA C22.2 No. 62

[Surface Raceways Systems](#)

CSA C22.2 No. 62.1

[Nonmetallic Surface Raceways and Fittings](#)

UL Standards

[UL 5](#)

[Surface Metal Raceways and Fittings](#)

[UL 5A](#)

[Nonmetallic Surface Raceways and Fittings](#)

2. Topic – Intended use “within an enclosure” related to wiring ducts

PROPOSAL

4.6 DUCT – A non-raceway device that typically consists of a main channel body and closure lid, that provides continuous positioning for wire or cable, and is intended to be contained within another enclosure.

14.6 Intended use according to:

- a) Product intended for use as a complete system – Indoor use;

- b) Component intended for use in a complete product or system – Indoor use; or
 c) Wiring duct – intended for use within an enclosure as a component in a complete product or system – Indoor Use.

WIRING DUCTS

18 General

18.1 A wiring duct classified in accordance with [14.6–\(c\)](#) and [14.7\(a\)](#) shall be subjected to the elevated temperature test as specified in Section [19](#). The result of this test shall show no indication of softening or yielding of the material as determined by handling immediately after conditioning. After cooling to room temperature, there shall be no shrinkage, warpage, or other distortion of the device resulting in the release of the wiring material.

21 Specific Markings Based on Classification

21.2 A device classified according to [14.6 \(a\), \(b\), or \(c\)](#) shall be marked with the temperature rating in accordance with [14.3](#). Alternatively, this information may be provided in the installation instructions shipped with the product.

21.6 A positioning device classified according to [14.6\(b\)](#) shall be marked "For use within a complete product or system only", or an equivalent wording or notation that indicates this specific use.

21.7 A wiring duct classified according to [14.6\(c\)](#) shall be marked "For use within equipment", or an equivalent wording or notation that indicates this specific use.

A2 Criteria for Substitution of Materials

A2.1 Substitution of a polymeric material shall be allowed in a device having met the requirements of this Standard only when all of the following conditions are met and compliance is determined through appropriate investigation:

A2.2 Positioning devices classified in accordance with [14.6 \(a\), \(b\), or \(c\)](#) for indoor use:

3. Topic – Positioning devices without means for mounting

PROPOSAL

16 Mechanical Strength

16.1 General

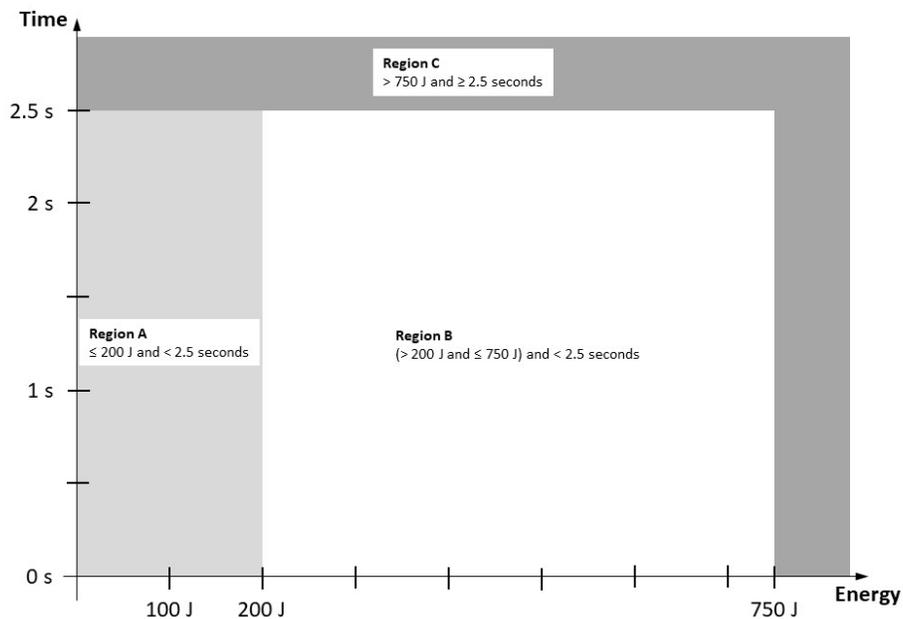
16.1.1 This test method applies to positioning devices, other than a duct, with or without a means for mounting to a structural support or panel surface.

BSR/UL _1699 B ____, Standard for Safety for __ Photovoltaic (PV) DC Arc-Fault Circuit Protection**1. Clarifications to 29.1.2 and Figure 29.9****PROPOSAL**

29.1.2 An arc-fault circuit-interrupter shall be capable of detecting or interrupting arcing as described in the following and illustrated in Figure 29.9:

- a) Region A: For all tests, disrupt arcing event in less than 2.5 seconds, and limit energy not to exceed 200 J;
- b) Region B: For all tests, disrupt arcing event in less than 2.5 seconds, and limit energy that exceeds 200 J to not more than ~~not to exceed~~ 750 J; and
- c) Region C: For any test, arcing time equal to or greater than 2.5 seconds, or energy greater than 750 J, the device is considered non-compliant with the standard.

Figure 29.9
Arc energy regions

**2. Correction to 27.3.5 to remove reference to the number of impulses**

PROPOSAL

Note from Project Manager: An additional proposal for 27.3.5 is also proposed in Topic #6.

27.3.5 For devices deriving their power from a photovoltaic DC source, ~~five impulses shall be applied in the positive direction and five impulses shall be applied in the negative direction for a total of 10 impulses at each application point. Tests~~ the tests shall be conducted in accordance with Table 27.1 and Table 27.2.

3. Correction to kV unit in 27.2.4**PROPOSAL**

27.2.4 Devices deriving their power from a photovoltaic DC source shall be subjected to three random applications of the 3 ~~kV~~ surge applied at 60 second intervals.

4. Corrections to units in Table 27.3**PROPOSAL**

Table 27.3
Surge impulse test levels

Impulse ^a	
Peak voltage (kV kV p)	Peak current (kA kA p)
4	2
^a Combination 1.2/50 μ s, 8/20 μ s Voltage/Current surge waveform. For specifications and tolerances, refer to the IEEE Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits (ANSI/IEEE), IEEE C62.41.	

5. Deletion of 29.1.4**PROPOSAL**

29.1.4 Each test (arc gap and current combination) from Table 29.2 shall be repeated five times for devices that have automatic reset and three times for devices that have a manual reset after detection of each arc, using most adverse condition parameters determined per 29.1.3(c) Note or for the "brute force method" by conducting arc tests at all arc locations and all C4 values.

6. Addition of Exceptions to 27.2.4 and 27.3.5 for devices solely intended for use with ungrounded PV arrays**PROPOSAL**

Note from Project Manager: An additional proposal for 27.3.5 is also proposed in Topic #2.

27.2.4 Devices deriving their power from a photovoltaic DC source shall be subjected to three random applications of the 3 KV surge applied at 60 second intervals.

Exception: Devices solely intended for use with ungrounded PV arrays are not required to be tested with surges applied between any of their PV inputs and ground.

Note from Project Manager: An additional proposal for 27.3.5 is also proposed in Topic #4.

27.3.5 For devices deriving their power from a photovoltaic DC source, five impulses shall be applied in the positive direction and five impulses shall be applied in the negative direction for a total of 10 impulses at each application point. Tests shall be conducted in accordance with Table 27.1 and Table 27.2.

Exception: Devices solely intended for use with ungrounded PV arrays are not required to be tested with surges applied between any of their PV inputs and ground.

7. Revision to 29.1.6 to align with published IEC 63027

PROPOSAL

29.1.6 After each arc is extinguished, the DUT shall delay no less than 5 minutes before resuming operation. The 5 minute delay is not required after a manual reset or if the arc is extinguished before exceeding Region A.

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BSR/UL 2238, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal Distribution

1. Field Installed Cord Grips

PROPOSAL

11.3 Devices provided with a suitable flexible conduit adapter or threaded inlet need not comply with the requirement of Clause 11.1.

2. Updates in correspondence to the Style Manual

PROPOSAL

~~3 References~~

~~3.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.~~

3A Referenced Publications

3A.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

3A.2 The following publications are referenced in this Standard:

ATM D570

Standard Test Method for Water Absorption of Plastics

ASTM E230/ASTM E230M

Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples

ASTM G152

Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

ASTM G153

Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

NFPA 70

National Electrical Code

NFPA 79

Electrical Standard for Industrial Machinery

UL 50

Enclosures for Electrical Equipment, Non-Environmental Considerations

UL 50E

Enclosures for Electrical Equipment, Environmental Considerations

UL 62

Flexible Cords and Cables

UL 94

Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

UL 224

Extruded Insulating Tubing

UL 248-1

Low-Voltage Fuses – Part 1: General Requirements

UL 248-2

Low-Voltage Fuses – Part 2: Class C Fuses

UL 248-3

Low-Voltage Fuses – Part 3: Class CA and CB Fuses

UL 248-4

Low-Voltage Fuses – Part 4: Class CC Fuses

UL 248-5

Low-Voltage Fuses – Part 5: Class G Fuses

UL 248-6

Low-Voltage Fuses – Part 6: Class H Non-Renewable Fuses

UL 248-7

Low-Voltage Fuses – Part 7: Class H Renewable Fuses

UL 248-8

Low-Voltage Fuses – Part 8: Class J Fuses

UL 248-9

Low-Voltage Fuses – Part 9: Class K Fuses

UL 248-10

Low-Voltage Fuses – Part 10: Class L Fuses

UL 486A-UL 486B

Wire Connectors

UL 486E

Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors

UL 498

Attachment Plugs and Receptacles

UL 508

Industrial Control Equipment

UL 510

Polyvinyl Chloride, Polyethylene and Rubber Insulating Tape

UL 514B

Conduit, Tubing, and Cable Fittings

UL 746A

Polymeric Materials – Short Term Property Evaluations

UL 746B

Polymeric Materials – Long Term Property Evaluations

UL 746C

Polymeric Materials – Use in Electrical Equipment Evaluations

UL 758

Appliance Wiring Material

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UL 796
Printed-Wiring Boards

UL 817
Cord Sets and Power-Supply Cords

UL 969
Marking and Labeling Systems

UL 969A
Marking and Labeling Systems – Flag Labels, Flag Tags, Wrap-Around Labels and Related Products

UL 1059
Terminal Blocks

UL 1449
Surge Protective Devices

UL 1459
Telephone Equipment

UL 1682
Plugs, Receptables, and Cable Connectors of the Pin and Sleeve Type

UL 1863
Communications-Circuit Accessories

UL 1977
Component Connectors for Use in Data, Signal, Control and Power Applications

UL 2237
Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery

UL 2238
Cable Assemblies and Fittings for Industrial Control and Signal Distribution

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