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CONTENTS

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Project Initiation Notification System (PINS)

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

AAFS (American Academy of Forensic Sciences)

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

Revision

BSR/ASB Std 036-202x, Standard for Test Method Selection, Development, Validation, and Verification in Forensic Toxicology (revision of ANSI/ASB Std 036-2019)

Stakeholders: Forensic toxicology community are the primary stakeholders, but the laboratory customers (e.g., medical examiners, law enforcement, attorneys, judges) benefit from the products generated by this document.

Project Need: This is a revision to one of the most-cited ASB standards ANSI/ASB Std 036. The standard on method validation is now expanded to provide additional direction for method selection, development, validation, verification, and revalidation. The revised standard also introduces additional parameters to meet changing demands of customers.

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Producer, User - Government, User - Non-Government

This document delineates minimum requirements for selecting, developing, validating, and verifying test methods used in forensic toxicology that target specific analytes or analyte classes. It is specifically intended for the subdisciplines of postmortem forensic toxicology, human performance toxicology, non-regulated workplace drug testing, and court-ordered toxicology. This document does not address calibration or testing in breath alcohol programs.

AIAA (American Institute of Aeronautics and Astronautics)

Nick Tongson <NickT@aiaa.org> | 12700 Sunrise Valley Drive, Suite 200 | Reston, VA 20191-5807 www.aiaa.org

New Standard

BSR/AIAA S-159-202x, Best Practices, Functional Requirements, and Norms for In-space Servicing, Assembly, and Manufacturing (ISAM) Power and Data Interfaces (new standard)
Stakeholders: Aerospace industry: Space Logistics, Consortium for Execution of Rendezvous and Servicing Operations (CONFERS), Aerospace Corporation, MDA Space, AstroScale, CUAerospace, SIF, US Space Force (USSF), NASA

Project Need: As spacecraft rendezvous and servicing (including docking/berthing) and assembly grow, the need for free-flyer capture and release becomes significant. Spacecraft operators and autonomous systems will conduct free-flyer capture and release.

Interest Categories: Government (NASA, USSF), Industry (MDA Space, AstroScale), Consortia (CONFERS), Academe (Colorado University - CU), General Interest (Aerospace Corp, SIF)

This document provides current industry best practices for functional and operational requirements and norms associated with the design, testing, and operations of power and data interfaces between a Servicing Spacecraft and a Client Space Object. The intent is to provide guidance to developers and operators of both the Servicing Spacecraft and the Client Space Object. The standards and recommendations collected here are informed by years of engineering development experience garnered through NASA, Canadian Space Agency, European Space Agency, and DARPA work on in-space servicing operational and technology development programs augmented by relevant commercial industry experience.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B18.15-202x, Forged Eyebolts (revision of ANSI/ASME B18.15-2015 (R2021))
Stakeholders: Manufacturers, users

Project Need: The Standard is being revised to address errors in several tables.

Interest Categories: AD-Distributor, AF-General Interest, AK-Manufacturer, AV-Trainer/Educator, AW-User

This Standard is limited to dimensions and capacities for carbon steel and corrosion-resistant stainless steel, forged threaded eyebolts intended primarily for lifting applications. For carbon steel construction, the sizes are limited to ¼ inch through 2-1/2 inches, and for corrosion-resistant stainless steel construction, the sizes are limited to ¼ inch through 1-1/2 inches.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK92088-202x, New Practice for Validation and Verification of Analytical Methods for Forensic Science Service Providers Performing Forensic Chemical Analyses (new standard)
Stakeholders: Interdisciplinary Forensic Science Standards Industry

Project Need: This document was built from E2549 Standard Practice for Validation of Seized-Drug Analytical Methods which was withdrawn due to time constraints. This document has been extensively revised by OSAC subcommittee members in Explosives, Fire Debris, and Seized Drugs, including a title change, to be an interdisciplinary document applicable to FSSPs and FSPs performing forensic chemical analyses. Discipline specific annexes/appendices will provide additional details on the specific testing that should be conducted for each performance characteristic. These annexes/appendices are in progress and will be submitted and balloted separately.

Interest Categories: Producer, User, General Interest

The validation and verification of qualitative and quantitative analytical methods applicable to forensic science service providers (FSSPs) performing forensic chemical analyses within a laboratory setting for the disciplines of explosives, fire debris, and seized drugs. Annexes will provide additional discipline-specific details.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK92115-202x, New Terminology for Standard Terminology Relating to Trace Evidence Analysis (new standard)
Stakeholders: Terminology Industry

Project Need: The forensic community needs to easily see terms used in the forensic science discipline of trace analysis. This terminology standards would provide a mechanism to document these agreed upon terms in one standard.

Interest Categories: Producer, User, General Interest

This is a compilation of terms and corresponding definitions used in the examination and analysis of trace evidence to include the areas of fiber, hair, paint, and tape analysis. Legal or scientific terms that generally are understood or defined adequately in other readily available sources may not be included.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Christopher Merther <chris.merther@itsdf.org> | 1750 K Street NW, Suite 460 | Washington, DC 20006 www.indtrk.org

Reaffirmation

BSR/ITSDF B56.11.6-2019 (R202x), Evaluation of Visibility from Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.6-2019)
Stakeholders: Manufacturers and users of powered industrial trucks.

Project Need: Requirements are still current.

Interest Categories: General interest, manufacturer, user

This Standard specifies the requirements and test procedures for all-round visibility of self-propelled industrial trucks with a rated capacity up to and including 10,000 kg (22,000 lb.) and industrial variable reach trucks with a rated capacity up to and including 10,000 kg (22,000 lb.) with a sit-on or stand-on operator, without load, and equipped with fork arms or load platform.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Christopher Merther <chris.merther@itsdf.org> | 1750 K Street NW, Suite 460 | Washington, DC 20006 www.indtrk.org

Reaffirmation

BSR/ITSDF B56.11.7-2020 (R202x), Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting – Liquid Withdrawal – for Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.7-2020)
Stakeholders: Manufacturers and users of LPG fuel cylinders used on powered industrial trucks.

Project Need: Requirements still current.

Interest Categories: General interest, manufacturer, user

This Standard establishes dimensions for LPG fuel cylinders used on powered industrial trucks.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Christopher Merther <chris.merther@itsdf.org> | 1750 K Street NW, Suite 460 | Washington, DC 20006 www.indtrk.org

New Standard

BSR/ITSDF B56.16-202x, Safety Standard for Rotating Rough Terrain Forklift Trucks (new standard)
Stakeholders: Manufacturers and users of rotating rough-terrain forklift trucks.

Project Need: No existing standard.

Interest Categories: General interest, manufacturer

This Standard defines the safety requirements relating to the elements of design, operation, and maintenance of rotating rough terrain variable-reach forklift trucks.

MHI (Material Handling Industry)

Patrick Davison <pdavison@mhi.org> | 8720 Red Oak Boulevard, Suite 201 | Charlotte, NC 28217 www.mhi.org

Revision

BSR MH28.1-202X, Design, Testing, and Utilization of Industrial Steel Bin Shelving (revision of ANSI MH28.1-2024)
Stakeholders: Manufacturers, users, distributors, regulators, laboratory personnel, and structural engineering consultants involved in bin shelving selection and use.

Project Need: This standard is being revised to address portal (stability) testing concerns raised after ANSI MH28.1 was published.

Interest Categories: Manufacturer, user, distributor/integrator, laboratory/researcher, government/regulatory, and general interest.

This standard applies to industrial steel bin shelving. The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. Bin shelving is typically a hand-loaded, prefabricated, free-standing, building-like non-building structure that utilizes a designed framing system, which is generally located within an industrial or warehouse environment. This standard applies to bin shelving systems installed within a building and subjected to seismic (earthquake) loads. Loads from environmental exposure, such as snow, wind, or rain loads, are not addressed in this standard.

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Revision

BSR C12.22-202x, Protocol Specification for Interfacing to Data Communication Networks (revision of ANSI C12.22 -2012 (R2020))
Stakeholders: Meter Manufacturers, Electric Utilities, Smart Meter Manufacturers

Project Need: Routing 5-year maintenance.

Interest Categories: Users, Producers, General Interest

This Standard defines network Application Services for the exchange of Table data and control elements. These services must be implemented by all C12.22 Nodes, including “back-office” or “head-end” systems.

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Revision

BSR C12.32-202x, Electricity Meters for the Measurement of DC Energy (revision of ANSI C12.32-2021)
Stakeholders: Electricity Metering Manufacturers, Electric Utilities

Project Need: 5-year maintenance

Interest Categories: Users, Producers, and General Interest Members.

This Standard establishes acceptable performance criteria for revenue grade direct current (DC) watthour meters and demand meters. Accuracy class designations, current, voltage, environmental tests, and electromagnetic compatibility (EMC) tests are covered.

ULSE (UL Standards & Engagement)

Michael Niedermayer <michael.niedermayer@ul.org> | 12 Laboratory Drive | Research Triangle Park, NC 27709-3995 https://ulse.org/

National Adoption

BSR/UL 60335-2-14-202x, Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines (national adoption with modifications of IEC 60335-2-14)
Stakeholders: Consumers, manufacturers, and the hospitality industry are likely to be impacted by this standard.

Project Need: This project is needed to obtain standard recognition for a new standard covering requirements for Household and Similar Electrical Appliances - Safety - Part 2-14: Particular requirements for kitchen machines with the adoption of IEC 60335-2-14. The standard is intended to harmonize terminology, design, construction specifications, and test methods used for verification of safety requirements related to kitchen machines for households and similar purposes. The adoption of this standard is important to continue to provide harmonized international based requirements for heating liquids for households and similar purposes.

Interest Categories: AHJ, Commercial/Industrial Users, Consumers, General, Government, Producers, Supply Chain, and Testing & Standards Organizations.

This part of IEC 60335 deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage being not more than 250 V including direct current (DC) supplied appliances and battery-operated appliances.

ULSE (UL Standards & Engagement)

Michael Niedermayer <michael.niedermayer@ul.org> | 12 Laboratory Drive | Research Triangle Park, NC 27709-3995 https://ulse.org/

National Adoption

BSR/UL 60335-2-15-202x, Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for heating liquids (national adoption with modifications of IEC 60335-2-15)
Stakeholders: Consumers, manufacturers, and the hospitality industry are likely to be impacted by this standard.

Project Need: This project is needed to obtain standard recognition for a new standard covering requirements for Household and Similar Electrical Appliances – Safety – Part 2-15: Particular requirements for heating liquids with the adoption of IEC 60335-2-15. The standard is intended to harmonize terminology, design, and construction specifications, and test methods used for verification of safety requirements related to heating liquids for households and similar purposes. The adoption of this standard is important to continue to provide harmonized international based requirements for heating liquids for households and similar purposes.

Interest Categories: AHJ, Commercial/Industrial Users, Consumers, General, Government, Producers, Supply Chain, and Testing & Standards Organizations.

This international standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

ULSE (UL Standards & Engagement)

Michael Niedermayer <michael.niedermayer@ul.org> | 12 Laboratory Drive | Research Triangle Park, NC 27709-3995 https://ulse.org/

National Adoption

BSR/UL 60335-2-30-202x, Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters (national adoption with modifications of IEC 60335-2-30)
Stakeholders: Consumers and manufacturers of room heaters.

Project Need: This project is needed to obtain standard recognition for a new standard covering requirements for Household and Similar Electrical Appliances - Safety - Part 2-30: Particular requirements for room heaters with the adoption of IEC 60335-2-30. The standard is intended to harmonize terminology, design, construction specifications, and test methods used for verification of safety requirements related to room heaters. The adoption of this standard is important to continue to provide harmonized international based requirements for household electrical appliances and room heaters.

Interest Categories: AHJ, Commercial/Industrial Users, Consumers, General, Government, Producers, Supply Chain, and Testing & Standards Organizations.

This International Standard deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also deals with the safety of electric heaters intended for the heating of driver and passenger compartments of motor vehicles when they are stationary, their rated voltage being not more than 250 V.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: October 13, 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 y to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum is in response to a continuous maintenance proposal regarding release mitigation controls.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/ASHE Addendum k to ANSI/ASHRAE/ASHE Standard 189.3-2023, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)
Addendum k helps add requirements to utilize ASHRAE Standard 188 to evaluate and establish appropriate risk levels for specific occupancies to inform the selection of plumbing fixture flow rates to balance patient health with water usage savings.
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: October 13, 2024

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum i to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023)
This proposed change simplifies the section titles as “non-residential” and “residential”. A new definition has been added for Level 2 and Level 3 EVSE to help clarify the intent of the requirements. This section was previously updated in published addendum c to 189.1-2023 and is provided to the reviewer as a supplemental file.
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

NSF (NSF International)

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

Revision

BSR/NSF 173-202x (i115r1), Dietary Supplements (revision of ANSI/NSF 173-2024)
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 | ajump@nsf.org, www.nsf.org

Revision

BSR/NSF/CAN 61-202x (i190r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

OPEI (Outdoor Power Equipment Institute)

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

Revision

BSR/OPEI B71.10-202x, Off-Road Ground-Supported Outdoor Power Equipment - Gasoline Fuel Systems - Performance Specifications and Test Procedures (revision of ANSI/OPEI B71.10-2018)
This standard describes safety specifications and test procedures applicable to the gasoline fuel systems for off-road ground-supported outdoor power equipment with spark ignition engines of less than one liter displacement. Off-road ground-supported outdoor power equipment for which this standard may apply include walk-behind and riding lawn-mowers, snow throwers, powered log-splitters, shredders/grinders and tillers.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Greg Knott <gknott@opei.org>

Comment Deadline: October 13, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 142A-202x, Standard for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids (revision of ANSI/UL 142A-2021)
UL 142A is being proposed for revisions including: Allowance for Reduced Vent Sizing for Tanks Smaller than 60 Gal; Clarification of Venting Requirements; and Editorial Corrections.
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 | Linda.L.Phinney@ul.org, https://ulse.org/

Revision

BSR/UL 817-202X, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2023)
Power-Supply Cords for Portable LED Luminaires, New Supplement SF
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: October 28, 2024

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 076-202x, Standard for Training and Certification of Canine Detection of Human Remains: Human Remains on Land (new standard)
To state requirements for the training, certification, and documentation pertaining to canine teams trained to search for human remains on land. This document does not cover mass disaster victim location canine activities, which are covered under separate standards.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Send comments (copy psa@ansi.org) to: asb@aafs.org

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | eparks@abycinc.org, www.abycinc.org

Revision

BSR/ABYC H-24-202x, Gasoline (Petrol) Fuel Systems (revision of ANSI/ABYC H-24-2022)
This standard addresses the design, construction, installation, repair, and maintenance of permanently installed gasoline (petrol) fuel systems. This standard applies to all parts of permanently installed gasoline (petrol) fuel systems from the fuel fill opening to the point of connection to the propulsion engine and to any auxiliary equipment on all boats with gasoline (petrol) engines.
Single copy price: $50.00
Obtain an electronic copy from: abycinc.org
Send comments (copy psa@ansi.org) to: comments@abycinc.org

Comment Deadline: October 28, 2024

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME PVHO-2-202x, Safety Standard for Pressure Vessels for Human Occupancy: Post Construction Requirements (revision of ANSI/ASME PVHO-2-2019)
(a) This Standard provides requirements for the operation and maintenance of PVHOs and PVHO systems that were designed, constructed and tested in accordance with ASME PVHO-1, Safety Standard for Pressure Vessels for Human Occupancy; (b) This Standard provides technical criteria for the user to establish the serviceability of a PVHO acrylic window under its specific environmental service conditions. Windows in protected environments as well as those in severe environments are addressed. Judicious use of this Standard will allow the user and/or the jurisdictional authority to determine when a PVHO acrylic window requires replacement.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Wiener <WienerD@asme.org>

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR/CSA ISO 27916 (R202x), Carbon dioxide capture, transportation and geological storage - Carbon dioxide storage using enhanced oil recovery (CO2-EOR) (reaffirmation of ANSI/CSA ISO 27916-2019)
This document applies to carbon dioxide (CO2) that is injected in enhanced recovery operations for oil and other hydrocarbons (CO2-EOR) for which quantification of CO2 that is safely stored long-term in association with the CO2-EOR project is sought. Recognizing that some CO2-EOR projects use nonanthropogenic CO2 in combination with anthropogenic CO2, the document also shows how allocation ratios could be utilized for optional calculations of the anthropogenic portion of the associated stored CO2 (see Annex B). This is a reaffirmation of an adopted standard.
Single copy price: $195.00
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 861.7-202x, Improvements to CTA 861-I (new standard)
CTA 861.7 specifies changes to CTA 861-I. The requirements of this standard are in addition to and complement CTA 861-I. All devices compliant to CTA 861.7 shall also comply with CTA 861-I, except that this standard modifies Sections 7.4, 7.5.14.1 through 7.5.14.4 and 7.5.19 of CTA 861-I.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 28, 2024

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

Reaffirmation

BSR/CSA B45.13/IAPMO Z1700-2019 (R202x), Vacuum waste-collection systems (reaffirmation of ANSI/CSA B45.13/IAPMO Z1700-2019)
This Standard covers vacuum waste-collection systems intended to extract and transport water, condensate from refrigerators, sanitary waste, greywater, or grease and specifies requirements for materials, construction, performance testing, and markings.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

Revision

BSR/NCPDP BUS v5.0-202x, NCPDP Billing Unit Standard v5.0 (revision and redesignation of ANSI/NCPDP BUS v4.0-2020)
The NCPDP Billing Unit Standard Implementation Guide is intended to meet two needs within the pharmaceutical drug claim industry: (1) provide practical guidelines for software developers and (2) provide guidelines for consistent implementation of drug/product packaging for all applicable NCPDP Standards.
Single copy price: $200.00 (nonmember)
Obtain an electronic copy from: mweiker@ncpdp.org
Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

Revision

BSR/NCPDP FB v62-202x, NCPDP Formulary and Benefit Standard v62 (revision and redesignation of ANSI/NCPDP FB v61-2024)
The Formulary and Benefit Standard provides a standard means for pharmacy benefit processors (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.
Single copy price: $200.00 (non-members)
Obtain an electronic copy from: mweiker@ncpdp.org
Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

Comment Deadline: October 28, 2024

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

Revision

BSR/NCPDP MR V07.06-202x, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.06 (revision and redesignation of ANSI/NCPDP MR V07.05-2023)
The Standard provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs). The four (4) file formats are intended to be used in an integrated manner, with the utilization file being supported by the plan, formulary, and market basket files. However, any of the four (4) files may be used independently. The Standard Flat File layouts provide detailed information on the file design and requirements for each of the four (4) files.
Single copy price: $200.00 (non-member)
Obtain an electronic copy from: mweiker@ncpdp.org
Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

Revision

BSR/NCPDP SC v2025011-202x, NCPDP SCRIPT Standard v2025011 (revision and redesignation of ANSI/NCPDP SC v2024071-2024)
The standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, prior authorization, REMS, prescription history, and cancellation notifications.
Single copy price: $200.00 (non-member)
Obtain an electronic copy from: mweiker@ncpdp.org
Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

Revision

BSR/NCPDP Specialized Standard v2025011-202x, NCPDP Specialized Standard v2025011 (revision and redesignation of ANSI/NCPDP Specialized Standard v2024071-2024)
The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.
Single copy price: $200.00 (non-member)
Obtain an electronic copy from: mweiker@ncpdp.org
Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

Comment Deadline: October 28, 2024

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, https://ulse.org/

National Adoption

BSR/UL 60079-31-202x, Standard for Safety for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure t (national adoption of IEC 60079-31 with modifications and revision of ANSI/UL 60079 -31-2015 (R2020))
Revisions to the proposal document dated June 7, 2024, per responses to comments received.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2565-2019 (R202x), UL Standard for Safety for Industrial Metalworking and Woodworking Machine Tools (reaffirmation of ANSI/UL 2565-2019)
Reaffirmation and continuance of the First Edition of the Standard for Safety for Industrial Metalworking and Woodworking Machine Tools, UL 2565, as an standard.
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)

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

Revision

BSR/UL 153-202x, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2024)
This proposal for UL 153 covers: (1) QR code as an Alternative to Website Address (URL); (2) Marking adjusted to remove the word “max”; (3) LED Portable luminaires with smaller than 18 AWG power supply cord; (4) Photobiological safety assessment for battery-operated portable luminaires with visible light spectrum light source – Supplement SA; and (5) Button batteries or coin cell batteries.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: October 28, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 8801-202x, Standard for Safety for Photovoltaic (PV) Luminaire Systems (revision of ANSI/UL 8801 -2022)
This proposal for UL 8801 covers: (1) Scope updates; (2) PV luminaire systems with higher voltages; (3) Reference publications; (4) Standard Test Conditions (STC); (5) PV modules; (6) PV module output voltage; (7) PV module overcurrent protection; (8) PV module output connectors: (9) Battery compartment removable cover secureness; (10) Battery charge controller; (11) Battery output overcurrent protection; (12) Luminaires; (13) Disconnect switches for the PV module and battery; (14) Multiple integral PV modules; (15) Temperature test without a solar simulator; (16) Marking contrast; (17) Ambient temperature markings; (18) Permitting multiple concurrent DC charging or power sources.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
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 27709-3995 | Doreen.Stocker@ul.org, https://ulse.org/

Revision

BSR/UL 62841-2-6-202x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-6: Particular requirements for hand-held hammer (revision of ANSI/UL 62841-2-6-2022)
UL is proposing to revise the First Edition of UL 62841-2-6, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers by the adoption of Amendment 1 of IEC 62841-2-6:2020+AMD1:2024.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: November 12, 2024

ULSE (UL Standards & Engagement)

1603 Orrington Ave., Suite 2000, Evanston, IL 60201 | anna.roessing-zewe@ul.org, https://ulse.org/

Revision

BSR/CAN/UL 668-202x, Standard for Hose Valves for Fire Protection Service (revision of ANSI/UL 668-2021)
1.1 These requirements cover angle-pattern and straightway-pattern hose valves intended for use on standpipes, fire pumps, and hydrants supplying water for fire protection service. 1.2 Requirements for the installation of hose valves include the Standards of the National Fire Protection Association for the Installation of Sprinkler Systems, NFPA 13; for Standpipe, Private Hydrants, and Hose Systems, NFPA 14; for Installation of Stationary Fire Pumps for Fire Protection, NFPA 20; and for Installation of Private Fire Service Mains and Their Appurtenances, NFPA 24.
Single copy price: Free
Order from: Follow the instructions in the following website to create an account for access to CSDS: https://csds.ul.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

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.

AGMA (American Gear Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | olson@agma.org, www.agma.org

ANSI/AGMA ISO 18653-A06 (R2024), Gears - Evaluation of Instruments for the Measurement of Individual Gears (reaffirm a national adoption ANSI/AGMA ISO 18653-06) Final Action Date: 9/4/2024 | *Reaffirmation*

ASA (ASC S3) (Acoustical Society of America)

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

ANSI/ASA S3.5-1997 (R2024), Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2020)) Final Action Date: 9/5/2024 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

ANSI/ASABE AD4254-16-2018 SEP2024, Agricultural machinery - Safety - Part 16: Portable agricultural grain augers (national adoption with modifications of ISO 4254-16:2028) Final Action Date: 9/4/2024 | *National Adoption*

ANSI/ASABE/ISO 500-3-2014 MAR2015 (R2024), Ag tractors - Rear-mounted power take-off types 1,2,3 and 4 - Part 3: Main PTO dimensions and spline dimensions, location of PTO (reaffirm a national adoption ANSI/ASABE/ISO 500-3 -2015 (R2019)) Final Action Date: 9/9/2024 | *Reaffirmation*

ANSI/ASABE/ISO AD500-1 MAR2015 (R2024), Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASABE/ISO AD500-1:2014 (R2019)) Final Action Date: 9/9/2024 | *Reaffirmation*

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ANSI X9.148-2024, QR Code Protection using Cryptographic Solutions (new standard) Final Action Date: 9/9/2024 | *New Standard*

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 b to Standard 72-2022, Method of Testing Open and Closed Commercial Refrigerators and Freezers (addenda to ANSI/ASHRAE Standard 72-2022) Final Action Date: 8/30/2024 | *Addenda*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME PTC 2-2001 (R2024), Definitions and Values (new standard) Final Action Date: 9/9/2024 | *New Standard*

ANSI/ASME B16.9-2024, Factory-Made Wrought Buttwelding Fittings (revision of ANSI/ASME B16.9-2018) Final Action Date: 9/5/2024 | *Revision*

ANSI/ASME B30.12-2024, Handling Loads Suspended from Rotorcraft (revision of ANSI/ASME B30.12-2011 (R2021)) Final Action Date: 9/5/2024 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E3307-2024, Practice for the Collection and Preservation of Organic Gunshot Residue (OGSR) (new standard) Final Action Date: 9/1/2024 | *New Standard*

ANSI/ASTM F707/F707M-1981 (R2024), Specification for Modular Gauge Boards (reaffirmation of ANSI/ASTM F707/F707M-1981 (R2019)) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM F1092-2020 (R2024), Specification for Fiberglass (GRP) Pultruded Open-Weather Storm and Guard, Square Railing Systems (reaffirmation of ANSI/ASTM F1092-2020) Final Action Date: 9/1/2024 | *Reaffirmation*

ANSI/ASTM F2117-2010 (R2024), Test Method for Vertical Rebound Characteristics of Sports Surface/Ball Systems; Acoustical Measurement (reaffirmation of ANSI/ASTM F2117-2010 (R2017)) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM F2157-2009 (R2024), Specification for Synthetic Surfaced Running Tracks (reaffirmation of ANSI/ASTM F2157-2009 (R2018)) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM F2334-2018 (R2024), Guide for Above Ground Public Use Skatepark Facilities (reaffirmation of ANSI/ASTM F2334-2018) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM F2336-2017 (R2024), Guide for Roller Hockey Playing Facilities (reaffirmation of ANSI/ASTM F2336-2017) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM F2480-2018 (R2024), Guide for In-ground Concrete Skatepark (reaffirmation of ANSI/ASTM F2480-2018) Final Action Date: 8/20/2024 | *Reaffirmation*

ANSI/ASTM E3416-2024, Practice for Competency-based Workplace Learning Programs (revision of ANSI/ASTM E3416 -2023) Final Action Date: 8/20/2024 | *Revision*

ANSI/ASTM F381-2024, Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines (revision of ANSI/ASTM F381-2016) Final Action Date: 8/20/2024 | *Revision*

ANSI/ASTM F2772-2024, Specification for Athletic Performance Properties of Indoor Sports Floor Systems (revision of ANSI/ASTM F2772-2011 (R2020)) Final Action Date: 8/20/2024 | *Revision*

ANSI/ASTM F2774-2024, Practice for Manufacturing Quality Control of Consumer Trampoline Bed Material (revision of ANSI/ASTM F2774-2009 (R2020)) Final Action Date: 8/20/2024 | *Revision*

ANSI/ASTM F659-2010 (R2018), Specification for Ski and Snowboard Goggles (withdrawal of ANSI/ASTM F659-2010 (R2018)) Final Action Date: 8/20/2024 | *Withdrawal*

ANSI/ASTM F2812-2012 (R2018), Specification for Goggle- and Spectacle-Type Eye Protectors for Selected Motor Sports (withdrawal of ANSI/ASTM F2812-2012 (R2018)) Final Action Date: 8/20/2024 | *Withdrawal*

AWWA (American Water Works Association)

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

ANSI/AWWA G400-2024, Utility Management System (revision of ANSI/AWWA G400-2018) Final Action Date: 9/5/2024 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI Z21.10.1-2019 (R2024), Gas Water Heaters, Volume I, Storage Water Heaters with Input ratings of 75,000 Btu per Hour or Less (same as CSA 4.1) (reaffirmation and redesignation of ANSI Z21.10.1-2019) Final Action Date: 9/4/2024 | *Reaffirmation*

ANSI Z21.10.3-2019 (R2024), Gas-fired water heaters, volume III, storage water heaters with input ratings above 75,000 Btu per hour, circulating and instantaneous (same as CSA 4.3) (reaffirmation and redesignation of ANSI/CSA Z21.10.3-2019) Final Action Date: 9/4/2024 | *Reaffirmation*

ANSI Z21.56-2019 (R2024), Gas-fired pool heaters (same as CSA 4.7) (reaffirmation and redesignation of ANSI/CSA Z21.56-2019) Final Action Date: 9/4/2024 | *Reaffirmation*

CTA (Consumer Technology Association)

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

ANSI/CTA 2113-2024, Best Practices and Recommendations for Telehealth Solutions (new standard) Final Action Date: 9/4/2024 | *New Standard*

ANSI/CTA/NSF 2052.2-A-2024, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (revision and redesignation of ANSI/CTA/NSF 2052.2-2017) Final Action Date: 9/5/2024 | *Revision*

ESTA (Entertainment Services and Technology Association)

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

ANSI E1.44-2014 (R2024), Common Show File Exchange Format for Entertainment Industry Automation Control Systems - Stage Machinery (reaffirmation of ANSI E1.44-2014 (R2019)) Final Action Date: 9/4/2024 | *Reaffirmation*

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

ANSI/HL7 V2.9.1-2024, Health Level Standard Standard Version 2.9.1 - An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision of ANSI/HL7 V2.9-2019) Final Action Date: 9/5/2024 | *Revision*

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

ANSI/IEEE 2832-2024, Guide for Control and Protection System Test of Hybrid Multi-terminal High Voltage Direct Current (HVDC) Systems (new standard) Final Action Date: 9/9/2024 | *New Standard*

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

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

INCITS/ISO/IEC 6523-1:2023 [2024], Information technology - Structure for the identification of organizations and organization parts - Part 1: Identification of organization identification schemes (identical national adoption of ISO/IEC 6523-1:2023 and revision of INCITS/ISO/IEC 6523-1:1998 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 13818-1:2023 [2024], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems (identical national adoption of ISO/IEC 13818-1:2023 and revision of INCITS/ISO/IEC 13818-1:2019/COR1:2020 [2021]) Final Action Date: 9/9/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 13888-1:2020 [2024], Information security - Non-repudiation - Part 1: General (identical national adoption of ISO/IEC 13888-1:2020 and revision of INCITS/ISO/IEC 13888-1:2009 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 15444-8:2023 [2024], Information technology - JPEG 2000 image coding system - Part 8: Secure JPEG 2000 (identical national adoption of ISO/IEC 15444-8:2023 and revision of INCITS/ISO/IEC 15444-8:2007/AM 1:2008 [R2021]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 15444-9:2023 [2024], Information technology - JPEG 2000 image coding system - Part 9: Interactivity tools, APIs and protocols (identical national adoption of ISO/IEC 15444-9:2023 and revision of INCITS/ISO/IEC 15444 -9:2005 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 15944-10:2023 [2024], Information technology - Business operational view - Part 10: IT-enabled coded domains as semantic components in business transactions (identical national adoption of ISO/IEC 15944-10:2023 and revision of INCITS/ISO/IEC 15944-10:2013 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 19157-1:2023 [2024], Geographic information - Data quality - Part 1: General requirements (identical national adoption of ISO/IEC 19157-1:2023 and revision of INCITS/ISO 19157:2013 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 19774-1:2019 [2024], Information technology - Computer graphics, image processing and environmental data representation - Part 1: Humanoid animation (HAnim) architecture (identical national adoption of ISO/IEC 19774-1:2019 and revision of INCITS/ISO/IEC 19774:2006 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 19774-2:2019 [2024], Information technology - Computer graphics, image processing and environmental data representation - Part 2: Humanoid animation (HAnim) motion data animation (identical national adoption of ISO/IEC 19774-2:2019 and revision of INCITS/ISO/IEC 19774:2006 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 27035-1:2023 [2024], Information technology - Information security incident management - Part 1: Principles and process (identical national adoption of ISO/IEC 27035-1:2023 and revision of INCITS/ISO/IEC 27035 -1:2016 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 27035-2:2023 [2024], Information technology - Information security incident management - Part 2: Guidelines to plan and prepare for incident response (identical national adoption of ISO/IEC 27035-2:2023 and revision of INCITS/ISO/IEC 27035-2:2016 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 27036-1:2021 [2024], Cybersecurity - Supplier Relationships - Part 1: Overview and Concepts (identical national adoption of ISO/IEC 27036-1:2021 and revision of INCITS/ISO/IEC 27036-1:2014 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 29120-1:2022 [2024], Information technology - Machine-readable test data for biometric testing and reporting - Part 1: Test reports (identical national adoption of ISO/IEC 29120-1:2022 and revision of INCITS/ISO/IEC 29120-1:2015 [R2021]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 30107-1:2023 [2024], Information technology - Biometric presentation attack detection - Part 1: Framework (identical national adoption of ISO/IEC 30107-1:2023 and revision of INCITS/ISO/IEC 30107-1:2016 [2021]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 30107-3:2023 [2024], Information technology - Biometric presentation attack detection - Part 3: Testing and reporting (identical national adoption of ISO/IEC 30107-3:2023 and revision of INCITS/ISO/IEC 30107 -3:2017 [2021]) Final Action Date: 9/9/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 30107-4:2024 [2024], Information technology - Biometric presentation attack detection - Part 4: Profile for testing of mobile devices (identical national adoption of ISO/IEC 30107-4:2024 and revision of INCITS/ISO/IEC 30107-4:2020 [2021]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 30108-2:2023 [2024], Biometrics - Identity attributes verification services - Part 2: RESTful specification (identical national adoption of ISO/IEC 30108-2:2023) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 39794-2:2023 [2024], Information technology - Extensible biometric data interchange formats - Part 2: Finger minutiae data (identical national adoption of ISO/IEC 39794-2:2023) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 39794-4:2019/AM1:2023 [2024], Information technology - Extensible biometric data interchange formats - Part 4: Finger image data - Amendment 1: Extension towards improved interoperability with ANSI/NIST-ITL (identical national adoption of ISO/IEC 39794-4:2019/AM1:2023) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 5218:2022 [2024], Information technology - Codes for the representation of human sexes (identical national adoption of ISO/IEC 5218:2022 and revision of INCITS/ISO/IEC 5218:2004 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 5338:2023 [2024], Information technology - Artificial intelligence - AI system life cycle processes (identical national adoption of ISO/IEC 5338:2023) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 5339:2024 [2024], Information technology - Artificial intelligence - Guidance for AI applications (identical national adoption of ISO/IEC 5339:2024) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 10779:2020 [2024], Information technology - Office equipment - Accessibility guidelines for older persons and persons with disabilities (identical national adoption of ISO/IEC 10779:2020 and revision of INCITS/ISO/IEC 10779:2008 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 18032:2020 [2024], Information security - Prime number generation (identical national adoption of ISO/IEC 18032:2020 and revision of INCITS/ISO/IEC 18032:2005 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 24761:2019 [2024], Information technology - Security techniques - Authentication context for biometrics (identical national adoption of ISO/IEC 24761:2019 and revision of INCITS/ISO/IEC 24761:2009 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 27007:2020 [2024], Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing (identical national adoption of ISO/IEC 27007:2020 and revision of INCITS/ISO/IEC 27007:2017 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 29100:2024 [2024], Information technology - Security techniques - Privacy framework (identical national adoption of ISO/IEC 29100:2024 and revision of INCITS/ISO/IEC 29100:2011 [R2022]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 29121:2021 [2024], Information technology - Digitally recorded media for information interchange and storage - Data migration method for optical disks for long-term data storage (identical national adoption of ISO/IEC 29121:2021 and revision of INCITS/ISO/IEC 29121:2018 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

INCITS/ISO/IEC 29146:2024 [2024], Information technology - Security techniques - A framework for access management (identical national adoption of ISO/IEC 29146:2024 and revision of INCITS/ISO/IEC 29146:2016 [2019]) Final Action Date: 9/9/2024 | *National Adoption*

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

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

INCITS/ISO/IEC 30111:2019 [2024], Information technology - Security techniques - Vulnerability handling processes (identical national adoption of ISO/IEC 30111:2019 and revision of INCITS/ISO/IEC 30111:2013 [R2019]) Final Action Date: 9/9/2024 | *National Adoption*

NSF (NSF International)

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

ANSI/NSF 14-2024 (i140r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2023) Final Action Date: 8/23/2024 | *Revision*

ANSI/NSF 49-2024 (i177r3), Biosafety Cabinetry: Design, Construction, Performance and Field Certification (revision of ANSI/NSF 49-2022) Final Action Date: 9/2/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i180r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 9/3/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i184r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 9/6/2024 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 60745-2-11-2009 (R2024), Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-11: Particular Requirements for Reciprocating Saws (reaffirm a national adoption ANSI/UL 60745-2-11-2009 (R2019)) Final Action Date: 8/30/2024 | *Reaffirmation*

ANSI/UL 60745-2-21-2009 (R2024), Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-21: Particular Requirements for Drain Cleaners (reaffirm a national adoption ANSI/UL 60745-2-21-2009 (R2019)) Final Action Date: 9/5/2024 | *Reaffirmation*

ANSI/UL 907-2024, Standard for Fireplace Accessories (revision of ANSI/UL 907-2006 (R2019)) Final Action Date: 9/4/2024 | *Revision*

ANSI/UL 962-2024a, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962-2024) Final Action Date: 8/30/2024 | *Revision*

ANSI/UL 2748-2024, Standard for Arcing Fault Quenching Equipment (revision of ANSI/UL 2748-2020) Final Action Date: 9/6/2024 | *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.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | eparks@abycinc.org, www.abycinc.org

BSR/ABYC H-24-202x, Gasoline (Petrol) Fuel Systems (revision of ANSI/ABYC H-24-2022)
Interest Categories: Soliciting for category: Specialist Service

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

BSR/AIAA S-159-202x, Best Practices, Functional Requirements, and Norms for In-space Servicing, Assembly, and Manufacturing (ISAM) Power and Data Interfaces (new standard)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME PVHO-2-202x, Safety Standard for Pressure Vessels for Human Occupancy: Post Construction Requirements (revision of ANSI/ASME PVHO-2-2019)

CTA (Consumer Technology Association)

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

BSR/CTA 861.7-202x, Improvements to CTA 861-I (new standard)
Interest Categories: CTA and the R4 Audio and Video Systems Committee are particularly interested in adding new members (called “users” who acquire video products from those who create them) as well as those with a general interest.

MHI (Material Handling Industry)

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

BSR MH28.1-202X, Design, Testing, and Utilization of Industrial Steel Bin Shelving (revision of ANSI MH28.1-2024)

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

BSR C12.22-202x, Protocol Specification for Interfacing to Data Communication Networks (revision of ANSI C12.22 -2012 (R2020))
Interest Categories: Looking for Users and General Interest Category consensus body members

NSF (NSF International)

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

BSR/NSF 173-202x (i115r1), Dietary Supplements (revision of ANSI/NSF 173-2024)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i190r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

ULSE (UL Standards & Engagement)

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

BSR/UL 142A-202x, Standard for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids (revision of ANSI/UL 142A-2021)

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | michael.niedermayer@ul.org, https://ulse.org/

BSR/UL 60335-2-14-202x, Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines (national adoption with modifications of IEC 60335-2-14)

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | michael.niedermayer@ul.org, https://ulse.org/

BSR/UL 60335-2-30-202x, Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters (national adoption with modifications of IEC 60335-2-30)

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):

www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS):

www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):

www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (ASC A10) - American Society of Safety ProfessionalsSafety Requirements for Construction and Demolition Operations

Meeting Time: October 10, 2024 9:00 am Central

The American Society of Safety Professionals (ASSP) serves as the secretariat of the A10 Committee for Construction and Demolition Operations. The next meeting of the A10 Committee will be held virtually on October 10th. The meeting will start at approximately 9:00 a.m. Central Time and conclude at 12:00 p.m. If interested in attending please contact: Tim Fisher, American Society of Safety Professionals (ASSP (ASC A10)), 520 N. Northwest Highway, Park Ridge, IL 60068, (847) 768-3411, tfisher@assp.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)

PHTA (Pool and Hot Tub Alliance)

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.

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ITI (INCITS)
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ITSDF
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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

Industrial automation systems and integration (TC 184)

ISO/DIS 14306-3, Industrial automation systems and integration - JT file format specification for 3D visualization - Part 3: Version 2 - 11/23/2024, $291.00

Mining (TC 82)

ISO/DIS 22932-9, Mining - Vocabulary - Part 9: Drainage - 11/24/2024, $102.00

Solid mineral fuels (TC 27)

ISO/DIS 1014-2, Coke - Part 2: Determination of true relative density - 11/23/2024, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 9837, Systems and Software Engineering - Systems resilience concepts - 11/23/2024, $67.00

ISO/IEC DIS 9995-1, Information technology - Keyboard layouts for text and office systems - Part 1: General principles governing keyboard layouts - 11/25/2024, $71.00

ISO/IEC DIS 9995-4, Information technology - Keyboard layouts for text and office systems - Part 4: Numeric section - 11/25/2024, $58.00

ISO/IEC DIS 23090-4, Information technology - Coded representation of immersive media - Part 4: MPEG-I immersive audio - 11/23/2024, $291.00

ISO/IEC DIS 9995-10, Information technology - Keyboard layouts for text and office systems - Part 10: Conventional symbols and methods to represent graphic characters not uniquely recognizable by their glyph on keyboards and in documentation - 11/25/2024, $67.00

ISO/IEC DIS 9995-11, Information technology - Keyboard layouts for office systems - Part 11: Functionality of dead keys and repertoires of characters entered by dead keys - 11/25/2024, $46.00

ISO/IEC DIS 23090-28, Information technology - Coded representation of immersive media - Part 28: Interchangeable scene-based media representations - 11/25/2024, $107.00

IEC Standards

Automatic controls for household use (TC 72)

72/1452/CDV, IEC 60730-2-7 ED4: Automatic electrical controls - Part 2-7: Particular requirements for timers and time switches, 11/29/2024

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

46C/1299/CD, IEC 62807-2 ED1: Hybrid telecommunication cables - Part 2: Indoor hybrid cables - Sectional specification, 11/29/2024

Electrical accessories (TC 23)

23E/1370/FDIS, IEC 61008-2-2 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 2-2: RCCBs according to classification 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 10/18/2024

23E/1373/FDIS, IEC 61009-1 ED4: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, 10/18/2024

23E/1371/FDIS, IEC 61009-2-1 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 2-1: RCBOs according to classification 4.1.1, 10/18/2024

23E/1372/FDIS, IEC 61009-2-2 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 2-2: RCBOs according to classification 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 10/18/2024

Electrical apparatus for explosive atmospheres (TC 31)

31/1793/CDV, IEC 60079-28 ED3: Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation, 11/29/2024

Electrical equipment in medical practice (TC 62)

62D/2163(F)/FDIS, IEC 60601-2-16 ED6: Medical electrical equipment - Part 2-16: Particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment, 09/20/2024

62D/2162(F)/FDIS, IEC 60601-2-39 ED4: Medical electrical equipment - Part 2-39: Particular requirements for the basic safety and essential performance of peritoneal dialysis equipment, 09/20/2024

62D/2168/FDIS, IEC 60601-2-40 ED3: Medical electrical equipment - Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment, 10/18/2024

Flat Panel Display Devices (TC 110)

110/1685/CD, IEC 63145-30 ED1: Eyewear display - Part 30: Durability test methods, 11/01/2024

110/1686/CD, IEC TR 62629-1-4 ED1: 3D displays - Part 1-4: Overview of Moire artefact, 11/01/2024

Fluids for electrotechnical applications (TC 10)

10/1246/CD, IEC 63585 ED1: Interpretation of Dissolved Gas Analysis in natural and synthetic esters, 11/01/2024

Industrial-process measurement and control (TC 65)

65B/1269/CDV, IEC 61298-1 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 1: General considerations, 11/29/2024

65B/1270/CDV, IEC 61298-2 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 2: Tests under reference conditions, 11/29/2024

65B/1271/CDV, IEC 61298-3 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 3: Tests for the effects of influence quantities, 11/29/2024

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1126/CDV, IEC 61097-7 ED2: Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, methods of testing and required test results, 11/29/2024

80/1127/CDV, IEC 61097-9 ED2: Global maritime distress and safety system (GMDSS) - Part 9: Shipborne transmitters and receivers for use in the MF and HF bands suitable for telephony, digital selective calling (DSC) and reception of Maritime Safety Information and Search and Rescue related information - Operational and performance requirements, methods of testing and required test results, 11/29/2024

Nuclear instrumentation (TC 45)

45B/1070(F)/CDV, IEC 60325 ED4: Radiation protection instrumentation - Alpha, beta and alpha/beta (beta energy >60 keV) contamination meters and monitors, 11/22/2024

45A/1549/CDV, IEC 63423 ED1: Nuclear Power Plants - Instrumentation and control systems important to safety - Cable assemblies for harsh environment purposes, 11/29/2024

45/983/CD, IEC TR 63606 ED1: Hazard analysis due to using C-UAS system in nuclear site, 11/01/2024

Performance of household electrical appliances (TC 59)

59D/518/FDIS, IEC 60456 ED6: Washing machines for household use - Methods for measuring the performance, 10/18/2024

Power electronics (TC 22)

22G/496/CD, IEC 61800-5-1/AMD1 ED3: Amendment 1 - Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy, 11/01/2024

Primary cells and batteries (TC 35)

35/1550/CDV, IEC 60086-2-1 ED1: Primary batteries - Part 2-1: Physical and electrical specifications of batteries with aqueous electrolyte, 11/29/2024

35/1551/CDV, IEC 60086-2-2 ED1: Primary batteries - Part 2-2: Physical and electrical specifications of lithium batteries, 11/29/2024

Printed Electronics (TC 119)

119/509/DTR, IEC TR 62899-250 ED2: Printed electronics - Part 250: Material technologies required in printed electronics for wearable smart devices, 11/01/2024

Safety of household and similar electrical appliances (TC 61)

61/7296/FDIS, IEC 60335-2-45 ED4: Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances, 10/18/2024

61/7297/FDIS, IEC 60335-2-74/AMD1 ED3: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-74: Particular requirements for portable immersion heaters, 10/18/2024

Safety of measuring, control, and laboratory equipment (TC 66)

66/820/CDV, IEC 61010-2-020 ED4: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges, 11/29/2024

Semiconductor devices (TC 47)

47/2862/CDV, IEC 60749-21 ED3: Semiconductor devices - Mechanical and climatic test methods - Part 21: Solderability, 11/29/2024

47/2863/CDV, IEC 60749-24 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 24: Accelerated moisture resistance - Unbiased HAST, 11/29/2024

47/2861/CDV, IEC 60749-7 ED3: Semiconductor devices - Mechanical and climatic test methods - Part 7: Internal moisture content measurement and the analysis of other residual gases, 11/29/2024

47A/1166/CD, IEC 62228-7 ED2: Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers, 11/01/2024

47/2874/CD, IEC 63550-4 ED1: Semiconductor devices - Neuromorphic devices - Part 4: Evaluation method of asymmetry in neuromorphic memristor devices, 11/29/2024

Standard voltages, current ratings and frequencies (TC 8)

8/1720/CD, IEC TR 63282-102 LVDC systems: Technical report for low-voltage DC electric island power supply systems, 11/01/2024

(SyCSmartCities)

SyCSmartCities/351/DTS, IEC SRD 63301-1 ED1: Smart city use case collection and analysis - Water systems in smart cities - Part 1: High-level analysis, 11/01/2024

(TC 123)

123/107/CD, IEC 63223-1 ED1: Management of network assets in power systems - Overview, principles and terminology, 11/29/2024

(TC 129)

129/35(F)/FDIS, IEC 63439-1-1 ED1: Robotics for electricity generation, transmission, and distribution systems: Part 1-1: Terminology for electric power robots, 09/20/2024

UHV AC transmission systems (TC 122)

122/180/CD, IEC TS 63042-301 ED2: UHV AC transmission systems - Part 301: On-site acceptance tests, 11/01/2024

Ultrasonics (TC 87)

87/878/FDIS, IEC 62127-2 ED2: Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields, 10/18/2024

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC41/456/CD, ISO/IEC TR 30123 ED1: Internet of Things (IoT) - Guidance on IoT application to home healthcare, 11/01/2024

JTC1-SC41/457/DTR, ISO/IEC TR 30194 ED1: Internet of Things (IoT) and digital twin - Best practices for use case projects, 10/04/2024

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 7447:2024, Underwater acoustics - Measurement of radiated underwater sound from percussive pile driving - In situ determination of the insertion loss of barrier control measures underwater, $166.00

Agricultural food products (TC 34)

ISO 712-2:2024, Cereals and cereal products - Determination of moisture content - Part 2: Automatic drying oven method, $81.00

ISO 17174:2024, Molecular biomarker analysis - DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments, $124.00

ISO 18716:2024, Professional farmer organization - Guidance, $81.00

Implants for surgery (TC 150)

ISO 7199:2024, Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators), $166.00

ISO 14630:2024, Non-active surgical implants - General requirements, $166.00

Information and documentation (TC 46)

ISO 11799:2024, Information and documentation - Document storage requirements for archive and library materials, $223.00

Machine tools (TC 39)

ISO 8636-2:2024, Machine tools - Test conditions for bridge-type milling machines - Part 2: Testing of the accuracy of travelling bridge (gantry-type) machines, $223.00

Packaging (TC 122)

ISO 6608-1:2024, Active and intelligent packaging - Part 1: General requirements and specifications of active packaging, $124.00

Paints and varnishes (TC 35)

ISO 2884-1:2024, Paints and varnishes - Determination of viscosity using rotational viscometers - Part 1: Absolute viscosity measurement with cone-plate measuring geometry at high shear rates, $54.00

ISO 8504-5:2024, Preparation of steel substrates before application of paints and related products - Surface preparation methods - Part 5: Water jet cleaning, $124.00

ISO 19403-2:2024, Paints and varnishes - Wettability - Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle, $124.00

ISO 19403-3:2024, Paints and varnishes - Wettability - Part 3: Determination of the surface tension of liquids using the pendant drop method, $81.00

Plain bearings (TC 123)

ISO 8838:2024, Plain bearings - Water-lubricated plain bearing materials, $124.00

Pulleys and belts (including veebelts) (TC 41)

ISO 17396:2024, Synchronous belt drives - Metric pitch - Tooth profiles T and AT endless and open ended belts and pulleys, $124.00

Rolling bearings (TC 4)

ISO 1206:2023/Amd 1:2024, - Amendment 1: Rolling bearings - Needle roller bearings with machined rings - Boundary dimensions, geometrical product specifications (GPS) and tolerance values - Amendment 1, $23.00

ISO 3643:2024, Rolling bearings - Ceramic rolling elements - Terms and characteristics of surface imperfections, $194.00

Solid mineral fuels (TC 27)

ISO 8858-2:2024, Coal - Froth flotation testing - Part 2: Sequential evaluation, $124.00

Sustainable development in communities (TC 268)

ISO 37113:2024, Sustainable cities and communities - Guidance for managing a public-health emergency response in smart city operating models, $124.00

ISO 37151:2024, Smart community infrastructures - Principles and requirements for performance metrics, $223.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO 20342-5:2024, Assistive products for tissue integrity when lying down - Part 5: Test method for resistance to cleaning and disinfection, $54.00

Textiles (TC 38)

ISO 13118:2024, Textile - Biaxial tensile properties of woven fabric - Determination of elasticity properties using a cruciform test piece, $81.00

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

ISO 8536-13:2024, Infusion equipment for medical use - Part 13: Graduated flow regulators for single use with fluid contact, $54.00

Transport information and control systems (TC 204)

ISO 17438-2:2024, Intelligent transport systems - Indoor navigation for personal and vehicle ITS stations - Part 2: Requirements and specification for indoor maps, $194.00

ISO 17438-3:2024, Intelligent transport systems - Indoor navigation for personal and vehicle ITS stations - Part 3: Requirements and specification for indoor positioning reference data, $124.00

Welding and allied processes (TC 44)

ISO 7287:2002/Amd 1:2024, - Amendment 1: Graphical symbols for thermal cutting equipment - Amendment 1, $23.00

ISO Technical Specifications

Plastics (TC 61)

ISO/TS 5733:2024, Plastics - Test method of exposure to white LED lamps, $81.00

Terminology (principles and coordination) (TC 37)

ISO/TS 6253:2024, Requirements and recommendations for training programmes in community interpreting, $124.00

IEC Standards

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

IEC 62514 Ed. 2.0 en:2024, Multimedia gateway in home networks - Guidelines, $444.00

S+ IEC 62514 Ed. 2.0 en:2024 (Redline version), Multimedia gateway in home networks - Guidelines, $756.00

Safety of hand-held motor-operated electric tools (TC 116)

IEC 62841-3-15 Ed. 1.0 en:2024 EXV, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-15: Particular requirements for transportable magnetic drills, $932.00

Switchgear and controlgear (TC 17)

IEC 62271-211 Ed. 2.0 b:2024, High-voltage switchgear and controlgear - Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, $193.00

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

Response Deadline: November 1, 2024

As the current Technical Advisor for TC 113 TAG will be stepping down at the end of this year, the USNC is looking for a new Technical Advisor (s) to take on this USNC TAG Technical Advisory role beginning January 1, 2025.

If individuals are interested in the position of USNC TAG Technical Advisor for the USNC TAG to IEC/TC 113, they are invited to contact Betty Barro at bbarro@ansi.org by November 1st, 2024.

Please see the scope for **the IEC/ TC 113** below:

Scope: **TC 113 - Nanotechnology for electrotechnical products and systems**

Standardization of the technologies relevant to electrotechnical products and systems in the field of nanotechnology in close cooperation with other committees of IEC and ISO

International Organization for Standardization (ISO)

Call for comment on ISO/IEC Guide 59:2019

Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 59:2019 – "ISO and IEC recommended practices for standardization by national bodies", which has the following scope statement:

This document provides recommended standardization practices that are intended to support the application of the following:
- the WTO TBT Committee decision on principles for the development of international standards, guides and recommendations (G/TBT/9, 13 November 2000);
- the WTO TBT Agreement's Code of Good Practice for the Preparation, Adoption and Application of Standards (Annex 3 of the 1995 WTO TBT Agreement).
This document is intended to be used by the national members of ISO and IEC, hereafter referred to as national bodies.

ANSI, is seeking U.S. Stakeholders' input on ISO/IEC Guide 59:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 59:2019 can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 18, 2024.**

Call for comment on ISO/IEC Guide 63:2019

Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 63:2019 – "Guide to the development and inclusion of aspects of safety in International Standards for medical devices", which has the following scope statement:

This document provides requirements and recommendations to writers of medical device standards on the inclusion of aspects related to safety in International Standards, based on well-established risk management concepts and methodology.
This document is applicable to any aspect related to the safety of people, property, the environment, or a combination of these.
In this document, the term "product" includes a medical device or a system consisting of one or more medical devices, possibly combined with non-medical devices.

ANSI, is seeking U.S. Stakeholders' input on ISO/IEC Guide 63:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 63:2019 can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 18, 2024.**

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 183 – Copper, lead, zinc and nickel ores and concentrates

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 183 – *Copper, lead, zinc and nickel ores and concentrates* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Australia (SA).

ISO/TC 183 operates under the following scope:

Standardization in the field of copper, lead, zinc and nickel ores and concentrates and smelter residues, including sampling, chemical analysis and physical testing.

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

Call for U.S. TAG Administrator

ISO/TC 225 – Market, opinion and social research

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 225 – *Market, opinion and social research* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Spain (UNE).

ISO/TC 225 operates under the following scope:

Standardization of the requirements for organizations and professionals conducting market, opinion and social research.

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

Call for U.S. TAG Administrator

ISO/TC 244 – Industrial furnaces and associated processing equipment

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 244 – *Industrial furnaces and associated processing equipment* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Japan (JISC).

ISO/TC 244 operates under the following scope:

Standardization of the requirements for industrial thermoprocessing equipment (e.g. heated enclosures such as furnaces, ovens, kilns, lehrs and dryers) and associated processing equipment. The scope includes, but is not limited to, requirements for safety, energy efficiency (including exergy), design, construction, operation, processes and quality control of processed material.

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

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 268 – Sustainable cities and communities

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 268 – *Sustainable cities and communities*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:
ISO/TC 268 – *Sustainable cities and communities*: France (AFNOR)
ISO/TC 268/SC 1 – *Smart community infrastructures*: Japan (JISC)
ISO/TC 268/SC 2 – *Sustainable cities and communities - Sustainable mobility and transportation*: Japan (JISC)

ISO/TC 268 operates under the following scope:

Standardization in the field of Sustainable Cities and Communities will include the development of requirements, frameworks, guidance and supporting techniques and tools related to the achievement of sustainable development considering smartness and resilience, to help all Cities and Communities and their interested parties in both rural and urban areas become more sustainable.

Note: TC 268 will contribute to the UN Sustainable Development Goals through its standardization work.

The proposed series of International Standards will encourage the development and implementation of holistic and integrated approaches to sustainable development and sustainability.

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

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

RadiusXR
Public Review: July 22 to October 22, 2024

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 y
to ANSI/ASHRAE Standard 15-2022

First Public Review Draft

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

First Public Review (September 2024)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at 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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(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 is in response to a continuous maintenance proposal regarding release mitigation controls.

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

Addendum Y to Standard 15-2022

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

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.3 Refrigerant System Charge Limits.

[…]

7.3.4.4 Release Mitigation Controls. Release mitigation controls used to limit the *releasable refrigerant charge* (m_{rel}) *shall* comply with the following:

a. Release mitigation systems *shall* be components of a refrigeration system that is *listed* per UL 60335-2-40 [5] /CSA C22.2 No. 60335-2-40 [6] or UL 60335-2-89 [7] /CSA C22.2 No. 60335-2-89 [8] and evaluated by the *nationally recognized testing laboratory* as part of the listing.

b. ~~Release~~ For *refrigerating systems listed* to UL 60335-2-40 [5] /CSA C22.2 No. 60335-2-40 [6], mitigation controls *shall* only be permitted for reducing the *releasable refrigerant charge* (m_{rel}) on a refrigeration system where each indoor unit has a cooling capacity of ~~5 tons (17.5 kW)~~ 10 tons (35 kW) or less.

c. Release mitigation controls *shall* be activated by a *refrigerant detection system* *and shall isolate* all portions of the *independent circuit(s)* associated with a *refrigerant detector* that has generated an output signal. A *refrigerant detector shall* be located either in all refrigeration equipment serving the spaces or in all spaces served by the release-mitigation-controlled circuit. ~~The *refrigerant detector shall* activate the release mitigation controls and isolate all possible paths of *refrigerant* that can leak into the space(s).~~

d. In the event of a failure of the release mitigation controls or a *refrigerant detector*, the release mitigation controls *shall* isolate all possible paths of the *independent circuit(s)* from which *refrigerant* ~~that~~ can leak into the space(s).

e. *Refrigerant detectors shall* comply with Section 7.6.2.4 and *shall* activate the mitigation controls per Section 7.6.2.5. For Group A1 *refrigerants*, 100% of *RCL shall* be substituted in place of 25% of *LFL*.

f. The location of *refrigerant* mitigation controls *shall* be marked in accordance with the requirements of ASME A13.1 [9].

g. Release mitigation controls *shall* be tested in accordance with Section 9.13.

[…]

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

Public Review Draft

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

First Public Review (August, 2024)
(Draft shows Proposed Changes to Current Standard)

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

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

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FOREWORD

Addendum k helps add requirements to utilize ASHRAE Standard 188 to evaluate and establish appropriate risk levels for specific occupancies to inform the selection of plumbing fixture flow rates to balance patient health with water usage savings.
Note from the committee: VDI6023 German engineering standard discusses minimizing water volumes, minimizing dead legs, etc.; if the user can not meet requirements like this, in California, for instance, file a variance.

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

Addendum k to Standard 189.3-2021

Add new section 6.3.2.7 and renumber subsequent sections. The remainder of Section 6 remains unchanged.

6.3.2.7 Water Risk Assessment. A Water Risk Management Plan in conformance with ANSI/ASHRAE Standards 188 and 514 requirements for a given facility shall be created during design to identify high-risk areas within a project. The design team shall implement risk mitigation strategies from the Plan.

Informative note: The design team shall prioritize reducing water use while minimizing water age when implementing risk mitigation strategies from the Plan.

Public Review Draft

Proposed Addendum i to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (September, 2024)
(Draft Shows Proposed Changes to Current Standard)

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

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Foreword

This proposed change simplifies the section titles as “non-residential” and “residential”. A new definition has been added for Level 2 and Level 3 EVSE to help clarify the intent of the requirements.
This section was previously updated in published addendum c to 189.1-2023 and is provided to the reviewer as a supplemental file.

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

Addendum i to 189.1-2023

The following definitions are shown for convenience only, are not being changed, and they are not subject to comment.

electric vehicle supply equipment (EVSE): equipment for plug-in power transfer, including the ungrounded, grounded, and equipment grounding conductors; electric vehicle connectors; attachment plugs; personnel protection system; and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

EV capable space: a designated parking space to which raceways extend from a building that has the electrical distribution equipment capacity necessary for the future conversion of the parking space to an *EV ready* space.

Revise and add definitions to Section 3 as follows:

electric vehicle supply equipment installed space (EVSE space): a vehicle parking space that is provided with a dedicated *Level 2* or *Level 3* *EVSE* connection.

EV ready space: a designated parking space provided with a ~~50 A, 208/240V~~ dedicated branch circuit for ~~Level 2~~ *Level 2* or *Level 3* *EVSE*. The circuit includes an overcurrent protective device and terminates in a junction box or receptacle outlet located in close proximity to the proposed location of the EV parking spaces.

Level 2 EVSE: EV charger capable of providing a 208/240-volt or greater output voltage and 40-ampere (or greater) output current.

Level 3 EVSE: DC fast charger capable of providing a 400-volt or greater output voltage and 80-ampere (or greater) output current.

Modify Section 5.3.7.3.1 and 5.3.7.3.2 as follows:

5.3.7.3 ELECTRIC VEHICLE CHARGING ~~FACILITIES~~ INFRASTRUCTURE

5.3.7.3.1 ~~IBC Occupancy Group A, B, E, F, I, M, and S Buildings~~ Non-Residential Occupancies. Where four or more on-site vehicle parking spaces are provided for International Building Code (IBC) Occupancy Group A, B, E, F, I, M, and S buildings, not less than 4% of the total number of parking spaces or not less than 8% of designated employee only parking spaces shall be *EV ready spaces* or *EVSE* spaces. Not less than 30% of the total number of parking spaces shall be *EV capable spaces, EV ready spaces, or EVSE* spaces.

Exception to 5.3.7.3.1:

Parking spaces designated by signage for curbside pick-up, drop-off, or any designated duration of not more than 30 minutes shall be excluded from the total number of on-site parking spaces.

5.3.7.3.2 ~~IBC Occupancy Group R-1, R-2, and R-4 Building~~ Residential Occupancies. Where four or more on-site vehicle parking spaces are provided for IBC Occupancy Group R-1, R-2, and R-4 buildings, not less than 20% of the total number of parking spaces shall be *EV ready spaces* or *EVSE* spaces. Not less than 75% of the total number of parking spaces shall be *EV capable spaces*, *EV ready spaces*, or *EVSE* spaces.

Exception to 5.3.7.3.2:

Parking spaces designated by signage for curbside pick-up, drop-off, or any designated duration of not more than 30 minutes shall be excluded from the total number of on-site parking spaces.

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NSF/ANSI Standard
for Health Sciences –

Dietary Supplements

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4 Labeling and literature requirements

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4.1 Caffeine

Supplements containing any amount of added caffeine, including by intentional selective concentration of caffeine at the expense of other constituents from the source crude botanical, ~~must~~ shall declare the total amount of caffeine per serving on the label.

In addition, if the product contains caffeine at > 100 mg per serving, the following warnings (or equivalent) ~~must~~ shall be present on the label:

— do not use if sensitive to caffeine;
— not recommended for use by children under 18 y of age; and
— not recommended for use by pregnant or nursing women.

4.2 Probiotics

For products and ingredients containing probiotics, the following information ~~must~~ shall be present on the label:

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5 Product requirements

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5.3 Contaminants

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5.3.1.1 Components including dietary ingredients

Suppliers of components, including dietary ingredients, shall designate a proposed maximum daily dose which ~~will~~ shall be used as the basis for the metals contaminant evaluation per Section 5.3.1.2.

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Table 5.2
Specifications for pathogenic microbiological contaminants in dietary ingredients

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[c] ND = Not detected. Not detected means that no colonies are present in 10 g of sample when tested under the conditions of an appropriate *S. aureus* test per Section 7.3. If *S. aureus* is detected, the sample ~~must~~ shall be further tested to determine whether the observed colonies are coagulase-positive. If for some reason the observed colonies are not available to be tested, additional sample portions shall be tested for *S. aureus* and coagulase-positive *S. aureus*. No detectable level of coagulase-positive *S. aureus* is allowed; ingredient containing coagulase-positive *S. aureus* at any level fails the test.
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Table 5.3
Acceptable limits for microbiological contaminants in finished products

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[N]OTE — The category designation for the product to be certified shall be based on those ingredients present at ≥ 1% by weight in the formula as provided in the full product formulation. For a product containing ingredients from more than one category, the finished product category ~~will~~ shall be assigned based on the ingredient with the highest category number, i.e., the most relaxed standard applicable to the ingredients in the product.
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Table 5.4
Acceptable limits for pathogenic microbiological contaminants in finished products

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NOTE — The category designation for the product to be certified shall be based on those ingredients present at ≥ 1% by weight in the formula as provided in the full product formulation. For a product containing ingredients from more than one category, the finished product category ~~will~~ shall be assigned based on the ingredient with the highest category number, i.e., the most relaxed standard applicable to the ingredients in the product.
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[c] ND = Not detected. Not detected means that no colonies are present in 10 g of sample when tested under the conditions of an appropriate *S. aureus* test per Section 7.3. If *S. aureus* is detected, the sample ~~must~~ shall be further tested to determine whether the observed colonies are coagulase-positive. If for some reason the observed colonies are not available to be tested, additional sample portions shall be tested for *S. aureus* and coagulase-positive *S. aureus*. No detectable level of coagulase-positive *S. aureus* is allowed; product containing coagulase-positive *S. aureus* at any level fails the test.
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5.3.5.1 Weight-loss / weight-management products

Products marketed for weight-loss or weight management shall not contain any of the following compounds at a concentration > 50 µg/g, verified by testing in accordance with Section 7.4. Other substances which are not dietary ingredients and have similar biological activity ~~may~~ can be adulterants.
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5.3.5.2 Sexual wellness products

Products marketed for sexual wellness shall not contain any of the following compounds and any of their analogs at a concentration > 50 µg/g, verified by testing in accordance with Section 7.4. Other substances which are not dietary ingredients and have similar biological activity ~~may~~ can be adulterants.
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5.3.5.3 Joint health or wellness products

Products marketed for joint health or wellness shall not contain any of the following compounds at a concentration > 50 µg/g, verified by testing in accordance with Section 7.4. Other substances which are not dietary ingredients and have similar biological activity ~~may~~ can be adulterants.

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5.3.5.4 Sports performance products

Products marketed for sports performance products, e.g., products optimizing skeletal muscle growth, shall not contain any of the following compounds at a concentration > 50 µg/g, verified by testing in accordance with Section 7.4. Other substances which are not dietary ingredients and have similar biological activity ~~may~~ can be adulterants.

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5.4 Disintegration

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5.4.3 Extended release

Extended-release supplements, such as those which claim “timed release” or “slow release”, shall be tested for disintegration using the equipment described in the currently promulgated version of the USP. If the product is intended to conform to the USP, then it ~~must~~ shall be tested as per the USP.

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5.6 Proteins

Protein content, for products that claim protein at > 5% daily value (DV), shall exclude quantifiable nonprotein nitrogen-containing substances (e.g., free amino acids, taurine, creatine, alkaloids, etc.) that ~~may~~ can be present in the product.

5.7 Hemp or hemp derived ingredients

Dietary ingredients and finished products containing hemp, hemp plant parts, or hemp derived ingredients shall be tested for THC content and shall not exceed the limit of THC established by the country of sale. If the country of sale has not established a THC limit, the dietary ingredient or finished product shall not exceed the U.S. Federal limit of not more than 0.3% THC on a dry weight basis. The determination of the THC concentration ~~must~~ shall take into account the potential to convert THCA into THC. The THC concentration ~~will~~ shall be evaluated to the acceptable hemp THC level incorporating measurement uncertainty.

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6 Test methods used by testing laboratories for identification and quantification of ingredients – Dietary ingredients and finished products

6.1 Identification test methods

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6.1.1.2 Microscopic test methods

Microscopic test methods verify conformity to identity specifications of non-extract botanical dietary ingredients and components (whole plants, plant parts, cut or powdered forms) by examination of microscopic ~~and/~~or microchemical features. Scientifically valid and fit for purpose approaches include

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comparison to authentic reference materials (see ISO/TR 79:2015),[Error! Bookmark not defined.] official compendia, or other appropriate references, such as pharmacognosy literature.

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6.1.5 Quality assurance for identification test methods

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To the extent to which it is feasible, the reference standard or material shall be prepared in the same manner as the sample being evaluated. Ideally, a reagent blank (negative control), a reference standard (positive control) and the sample are to be prepared and compared by the analysis technique. Additional controls ~~may~~ might be necessary to ensure the accurate interpretation of the identity test results and to verify that no adulteration has occurred. If no reference standard is available, and published literature provides photos or drawings of macroscopic or microscopic characteristics or fingerprint descriptions, use of this information to support the identity confirmation is allowable so long as the processing or blending of the ingredient does not invalidate this approach.

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6.2.7 Quality assurance for quantitative test methods

Many of the quantitative test methods for dietary supplement samples are performed utilizing chromatographic procedures. The typical quality assurance criteria that are applied are described in the following sections; however, some methods ~~may~~ can have unique characteristics that should be defined within the context of laboratory standard operating procedures or by comparison with results obtained using a reference method or certified matrix reference material.

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6.2.7.1 Calibration

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When moisture or residual solvents are stated, the purity value used should have been adjusted to take into account these known impurities. Some calibration reference standards, where the adsorbed water is variable, ~~may~~ can require drying at 221 °F (105 °C) (or under other suitable conditions as recommended by the manufacturer) prior to obtaining an accurate weight determination.

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

7.1 Test methods for metals

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— **analytical method**: EPA Method 200.7.[Error! Bookmark not defined.] Alternate methodologies, such as graphite furnace atomic emission spectrophotometry, ICP/MS, and flow injection analysis is an option for use with specific samples at the discretion of the analyst.

NOTE — If the chromium (total) result exceeds the pass/fail criteria (Section 5.3.1), levels of Cr (VI) ~~will~~ should be determined using a liquid chromatography method based on EPA Method 218.6.[Error! Bookmark not defined.] Modifications to the sample preparation and extraction procedures ~~will~~ should be employed based on the dietary supplement product or ingredient matrix.

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7.3.2 Preparatory testing

Preparatory testing, as specified in the currently promulgated version of the USP shall be performed on all products. Certain products ~~may~~ can themselves inhibit the multiplication of microorganisms that might be present, thus interfering with quantitative and qualitative microbiological assays detailed in Section 7.3.

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7.4.2 Other chemical contaminants

The most appropriate method should be selected to evaluate the product for compliance with applicable subsections within Section 5.3. Sources for methods should include AOAC International, USP**Error! Bookmark not defined.**, and other method sources. The selected method ~~is to~~ shall be scientifically valid and suitable for the purpose of analysis of the product being tested.

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8 Good manufacturing practices

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8.7 Alternate means of compliance

Under certain circumstances, alternate means of evaluation to Identity or Quantity requirements is permitted. This type of situation ~~may~~ can arise in the following circumstances:

— **no scientifically valid method**: There is not a currently available scientifically valid method for the ingredient in the finished product. This ~~may~~ can occur, for example, when an ingredient occurs at a low level in the finished product or when a finished product matrix is highly complex.

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Whenever ingredient test data is used as part of compliance evaluation, production records ~~must~~ shall document appropriate traceability between ingredient lots and finished product batches, as well as appropriate ingredient weighing, ingredient addition and second person verification of those operational activities.

Sample test data ~~must~~ shall be identified with a unique code or other clear identification that links the sample to the parent material from which it was taken. For this evaluation, the manufacturer ~~must~~ shall submit the relevant raw material test data and a representative batch production record. If an ingredient used in the product is itself a proprietary blend, the applicant ~~must~~ shall submit or arrange to have the ingredient manufacturer submit the relevant raw material test data and a representative batch production record for the proprietary blend ingredient.

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Normative Annex 1

Botanicals which require testing for Aristolochic acid and list of oils under the rancidity control plan

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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 *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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3 General requirements

3.1 General

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3.1.6 Samples

Samples shall consist of the entire finished product device, a portion(s) / component(s) of the finished product, or a specimen of the material(s). The manufacturer shall have the option to request that the samples represent a product line of varying sizes, as described in section 3.1.5 and/or the relevant section of the standard to which the product is being evaluated. When it is necessary to calculate normalization factor(s), the wetted exposed surface area of the sample shall be calculated and recorded prior to testing.

3.1.6.1 Finished products

When a finished product (e.g., pipe, fitting, component, or device) is proposed for evaluation, a sample of the finished product shall be used for testing except in the following specific instances:

— concrete cylinders, cubes, or other concrete surrogate samples may be evaluated on behalf of concrete-lined pipes and other concrete-based products;

— coatings, applied to the appropriate substrate, may be evaluated on behalf of products whose entire water contact surface is covered by the coating; or

— finished products shall be permitted to be evaluated using material samples if a finished product evaluation is impractical for one or more of the following reasons:

— an internal volume > 20 L (5.3 gal);
— a weight > 34 kg (75 lb); or
— in situ manufacture of the finished product.

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Material samples shall be permitted to be evaluated on behalf of a finished product if no chemical or physical difference exists between the material sample and the material as represented in the finished product. All material samples shall be produced using the same manufacturing processes as the finished product.

3.1.6.2 Materials

When a material is proposed for evaluation, a representative sample of the material shall be used. Material test samples (e.g., plaque or sheet) shall be used only if no chemical or physical difference exists between the material sample and the material as represented in the finished product. A material intended to be processed by more than one method (e.g., injection molding, extrusion, or stamping) shall be tested in each of its processed forms. All material samples shall be produced using the same manufacturing processes as the finished product. Materials shall be exposed at a surface area-to-volume ratio greater than or equal to the manufacturer's maximum recommended field use. In some cases (e.g., materials with minimal relative surface areas), it may be appropriate to maximize surface area-to-volume ratios (e.g., ten-fold greater than the wetted surface area of the product) to ensure that the reporting level of the analysis, when normalized, is equal to or less than the pass/fail criteria for all contaminants.

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4 Pipes and related products

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4.4.2 Materials

Refer to section 3.1.6.2.

~~When a material is proposed for evaluation, a representative sample of the material shall be used. Material test samples (e.g., plaque or sheet) shall be used only if no chemical or physical difference exists between the material sample and the material as it is used in applications covered by Section 4. A material intended to be processed by more than one method (e.g., injection molding, extrusion, or stamping) shall be tested in each of its processed forms.~~

4.4.3 Finished products

Refer to section 3.1.6.1.

~~When a finished product (e.g., pipe or fitting) is proposed for evaluation, a sample of the finished product shall be used for testing except in the following specific instances:~~

~~— concrete cylinders, cubes, or other concrete surrogate samples can be evaluated on behalf of concrete-lined pipes and other concrete-based products;~~

~~— coatings, applied to the appropriate substrate, can be evaluated on behalf of products whose entire water contact surface is covered by the coating; or~~

~~— finished products shall be permitted to be evaluated using material samples if a finished product~~

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~~evaluation is impractical for one or more of the following reasons:~~

- ~~an internal volume > 20 L (5.3 gal);~~
- ~~a weight > 34 kg (75 lb); or~~
- ~~in situ manufacture of the finished product.~~

~~Material samples shall be permitted to be evaluated on behalf of a finished product if the first and second criteria listed under Section 4.4.1 are satisfied.~~

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Normative Annex 1

Product / material evaluation

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N-1.2 General evaluation requirements

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N-1.2.3.2 Finished product evaluation

Refer to section 3.1.6.1.

~~samples of the finished product (e.g., pipe, fitting, or device) shall be exposed except in the following specific instances:~~

- ~~concrete cylinders, cubes, or other concrete surrogate samples shall be permitted to be evaluated on behalf of concrete lined pipes and other concrete-based products;~~
- ~~coatings, applied to an appropriate substrate, shall be permitted to be evaluated on behalf of products whose entire water contact surface is covered by the coating; and~~
- ~~finished products shall be permitted to be evaluated using material samples if finished product evaluation is impractical for one or more of the following reasons:~~
  - ~~an internal volume greater than 20 L (5.3 gal);~~
  - ~~a weight greater than 34 kg (75 lb); or~~
  - ~~in situ manufacture of the finished product.~~

~~Material samples shall be permitted to be evaluated on behalf of a finished product if, and only if, no chemical or physical difference exists between the material sample and the material as represented in the finished product. All material samples shall be produced using all the same manufacturing processes as~~

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~~the finished product.~~

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N-1.4.1 Samples

Refer to section 3.1.6.

~~Samples shall consist of the entire device, portion(s) / component(s) of the device, or a specimen of the material(s). The manufacturer shall have the option to request that the samples represent a product line of varying sizes, as described below. When it is necessary to calculate normalization factor(s), the wetted exposed surface area of the sample shall be calculated and recorded prior to testing.~~

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N-1.4.1.3 Material

Refer to section 3.1.6.2.

~~The material shall be representative of that used in the component or device. Materials shall be evaluated using a minimum surface area-to-volume ratio of 50 cm^2/L.~~

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N-1.5.1.3 Material

Refer to section 3.1.6.2.

~~The material shall be representative of that used in the component or device. Material samples not related to a specific component or device can also be evaluated.~~

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Rationale: This moves the general sample guidance for finished products and materials to section 3.1. Note that section N-1.4.1.3 (for section 8, mechanical devices) provided a minimum surface area to volume amount of 50 cm2/L for material exposure guidance, which is removed from the text above to harmonize the language for the general section but is still retained in Table N-1.2. The content in this section may later be reorganized into its own section during the comprehensive reorganization.

Standard for Off-Road Ground-Supported Outdoor Power Equipment – Gasoline Fuel Systems – Safety Specifications

NOTE TO PUBLIC REGARDING THIS PROPOSED REVISION – OPEI AUGUST 29, 2024 – THIS PARAGRAPH IS INFORMATIVE FOR THIS PUBLIC REVIEW AND IS NOT PART OF THE PROPOPSED STANDARD REVISION OR ANS PROCESS. THIS PARAGRAPH WILL NOT BE INCLUDED IN THE FINAL ANS. Comments may be submitted on the proposed changes shown in this document in underline (redline) text. Comments on other text will not be considered at this time. Please submit comments to gknott@opei.org.

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2. Normative References

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SAE J2260, Nonmetallic Fuel System Tubing with One or More Layers

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4.2. Fuel line integrity

1. All fuel line connection designs shall be qualified one-time in accordance with the fuel line assembly tensile test procedure in 5.5, except as follows:

   -- Fuel lines of less than 50 mm (2 inches) in length and which are held in place by compression after assembly;

   -- Fuel line assembly connections which cannot be exposed to a tensile pull in the end use.

2. Non-metal fuel line designs shall be qualified in compliance with the performance criteria of SAE J30.

   For fuel line designs that will not be subjected to pressures over 50 kPa, the minimum burst pressure requirements of SAE J30 may be replaced with 150 kPa. All other performance requirements of SAE J30 shall apply for these fuel line designs.

   NOTE – SAE J2260 establishes burst pressure requirements of 150 kPa for low pressure fuel tubing.

   Materials of construction are not restricted to rubber materials. Alternate materials such as thermoplastics, thermoplastic elastomers, or thermoplastic vulcanizates, can be utilized in fuel line constructions so long as the fuel line passes the performance criteria of SAE J30 for the appropriate application as outlined in the standard.

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5.4. Fuel tank elevated temperature fuel soak test for PE fuel tanks, and all fuel tank assemblies with grommets and seals

This test method evaluates the susceptibility of PE fuel tanks (including properties inherent from manufacturing) to stress cracking after extended exposure to fuel and the robustness of assembled components, such as grommets and seals. This test is to be performed on a fuel tank assembly, as a one-time design qualification test.

NOTE – The intent of this test is to assure the fuel does not leak after exposure to fuel at high temperatures. The intent of this section is not a pressure integrity test. Fuel pressure integrity testing is included in Section 5.2. Therefore, Section 5.4(3)(d), Test set-up, allows for the tank to be vented to mitigate fuel pressure build-up that may result from heating the fuel to the elevated temperature required in this test.

5.4.1. Test procedure

1. Sample size is specified in Table 3. Choose representative samples from each mold cavity.

Table 3 – Sample Size vs. Test Soak Time

	Number of tanks to be tested	Minimum test soak time (hours)	Number of failures allowed
Option 1	10	336	none
Option 2	6	408	none
Option 3	4	480	none

2. Leak test all fuel tank assemblies to be tested, using the leak test procedure in 5.1.1. Careful inspection of any tank that exhibits leaking at the inlet or outlet should be performed to ensure leaking is due to poor sealing and not a crack in the tank itself. If any tank leaks upon initial leak testing, the tank shall be excluded from this test.

3. Test set-up

    a. Mount the fuel tank in a manner representative of the end use application.

    b. Install all fuel tank assembly components, including gauges, filters, screens, fuel caps, grommets, seals, vents, etc. that are typically used on the tank in the end use application.

    c. Attach any additional exterior components to the tank that may constrict or otherwise contribute to stresses incurred by the tank during the test.

    d. Additional venting may be used to vent vapor to a safe location.

    e. Block off the fuel outlet by attaching a fuel line(s) using the production intent clamp(s). The opposite end of the fuel line is to be closed off in a manner that will prevent fuel from leaking.

4. Fill the fuel tanks to manufacturer's specified capacity with fresh fuel, install the proper fuel cap on the inlet securely, and place the tanks in the chamber.

    Caution: Gasoline is used at an elevated temperature in this test. Personnel should take necessary safety precautions when performing this test. Cautionary standards for handling and disposal of hazardous materials should be observed. Testing chamber should be approved for the long-term storage of Class I, Group D materials.

5. Monitor the temperature of the test chamber. The test is considered started only after the temperature of 60°C ± 2°C (140°F ± 3.6°F) has been reached and maintained for a period of one (1) hour. This temperature is to be maintained for the duration of the test.

6. Monitor the tanks in an appropriate manner such that any leak formation will be detected.

7. Periodic manual inspection shall be performed to ensure maintenance of proper fuel level and observations of early failures.

    a. Record all relevant observations. Special attention needs to be paid to any corners or radii that may act as stress concentration points. Look for failures in the assembled components such as cracks in grommets or seals.

b. Empty and leak test any tank that is suspected of failure. If no leak is detected, refill with fuel and return to test chamber. If a leak is detected, remove the tank and document the time the tank was removed from the chamber.

c. Check the fuel level of the tank. The fuel level shall be maintained between 75% and 100% of manufacturer's specified capacity.

d. Return fuel tank to the testing chamber.

8. After soak time (refer to Table 3) has been completed, all tanks are to be removed from the test chamber, emptied of fuel, and leak tested in accordance with 5.1.1.

5.4.2. Acceptance

No active leakage is allowed of any fuel tank assembly.

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BSR/UL 142A, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids

1. Allowance for Reduced Vent Sizing for Tanks Smaller than 60 Gal

PROPOSAL

5.5.2 Day tank parameters and limitations are as follows:

a) Stored Liquids – Only Fuels, such as Flammable Class I Gasoline or Combustible Class II Kerosene, Diesel Fuel or Heating Oil.

b) Containment Types and Sizes – Primary or Secondary with or without compartments, with a total capacity range of 20 to 1,320 gallons (75 to 5,000 L).

c) Shapes and Orientations – Horizontal or Vertical Cylindrical, Rectangular or Obrounds with a tank height to base (tank bottom or integral supports) ratio of ≤ 1.5:1.

d) Reduced Emergency Venting – E-Vent opening nominal size may be smaller than required by UL 142, Section 8, Table 8.1 for capacities lower than 60 Gal as follows:

1) For Tanks ranging from 20 Gal up to, but not including, 25 Gal (75.7 - 94.6 L): 1/2"
2) For Tanks ranging from 25 Gal up to, but not including, 60 Gal (94.6 - 227 L): 3/4"

5.5A.2 Process tank parameters and limitations are as follows:

a) Stored Liquids – Only the liquid Classes (Flammable Class I, Combustible Class II or specific fuel, etc.).

b) Containment Types and Sizes – Primary or Secondary with or without compartments, with a total capacity range of 20 to 1,320 gallons (75 to 5,000 L).

c) Shapes and Orientations – Horizontal or Vertical Cylindrical, Rectangular or Obrounds with a tank height to base (tank bottom or integral supports) ratio of ≤ 1.5:1.

d) Reduced Emergency Venting – E-Vent opening nominal size may be smaller than required by UL 142, Section 8, Table 8.1 for capacities lower than 60 Gal as follows:

1) For Tanks ranging from 20 Gal up to, but not including 25 Gal (75.7 - 94.6 L): 1/2"
2) For Tanks ranging from 25 Gal up to, but not including 60 Gal (94.6 - 227 L): 3/4"

2. Clarification of Venting Requirements

PROPOSAL

4.3.3 Except for reduced ~~for combined normal/~~emergency ventings~~s~~ permitted by a special purpose tank type, ~~separate~~ normal and emergency vent openings shall be sized and located in accordance with UL 142, Section 8.

~~*Exception: Long bolt manway vents are not permitted on special purpose tanks.*~~

9.1 All Special Purpose Tanks shall be marked with the general information per UL 142, Section 52.1, as applicable, except:

~~a) Venting manways are not permitted.~~

b) Reduced venting permitted for work top, lube oil and used oil tanks per 5.2.2 d), 5.3.2 d) and

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5.4.2 d),

c) Identification of fill and vent openings, and if a secondary containment type, the monitor openings,

d) The special purpose tank type per Section 10 shall be added, with evaluated options:

1) “On Supports” for tank supports;

2) “Vehicle Impact Resistant” for Fire Resistant and Protected Tank options; and

3) “Projectile Resistant” for Fire Resistant and Protected Tank options.

3. Editorial Corrections

PROPOSAL

2.2 ~~Undated references~~Referenced Publications

2.2.1 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.

2.2.2 The following publications are referenced in this Standard:

ASTM D396, Standard for Specification for Fuel Oils

ASTM D975, Standard Specification for Diesel Fuel

ASTM D2880, Standard Specification for Gas Turbine Fuel Oils

ASTM D3699, Standard Specification for Kerosine

ASTM D4814, Standard Specification for Automotive Spark-Ignition Engine Fuel

ASTM D5798, Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines

ASTM D7467, Standard Specification for Diesel Fuel Oil, Biodiesel Blend (B6 to B20)

UL 80, Safety Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids

UL 124, Outline of Investigation for Hand-Operated Pumps for Flammable and Combustible Liquids and Battery Operated Pumps for Combustible Liquids

UL 142, Steel Aboveground Tanks for Flammable and Combustible Liquids

UL 343, Pumps for Oil-Burning Appliances

UL 674, Electric Motors and Generators for Use in Hazardous (Classified) Locations

UL 1004-1, Rotating Electrical Machines – General Requirements

UL 1004-2, Impedance Protected Motors

UL 1836, Outline of Investigation for Electric Motors and Generators for Use in Class I, Division 2, Class 1, Zone 2, Class II, Division 2, and Zone 22 Hazardous (Classified) Locations

UL 2080, Fire Resistant Tanks for Flammable and Combustible Liquids

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UL 2085, Protected Aboveground Tanks for Flammable and Combustible Liquids

UL 2111, Overheating Protection for Motors

UL/ULC 79, Power-Operated Pumps for Petroleum Dispensing Products

UL/ULC 79A, Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85)

UL/ULC 79B, Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil

UL/ULC 180, Combustible Liquid Tank Accessories

UL/ULC 842, Valves for Flammable and Combustible Liquids

UL/ULC 842A, Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85)

UL/ULC 842B, Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil

5.1.4 Optional components for generator base tanks covered by this Standard are:

a) Tank Supports – Integral supports for rectangular tanks connected to the bottom shell, and evaluated for the rated loads. Also see 5.6.

b) Access Devices – Integral ladders, stairs and runways are permitted, provided they are separate from the equipment mounts and evaluated. Also see 5.6.

c) Minor Accessories – Integral heating coils, sumps and brackets are permitted. Also see 5.6.

d) Thermal Insulation – Integral thermal insulation is permitted for optional fire resistance or fire protection ratings per 6.1.

e) Pumps – Integral pumps are permitted if they comply with ~~the Standard for Power Operated Pumps,~~ UL/ULC 79, or ~~the Standard for Safety Pumps for Oil Burning Appliances,~~ UL 343, or ~~the Outline of Investigation for Hand Operated Pumps for Flammable and Combustible Liquids,~~ UL 124 and rated for petroleum products.

5.4.4 Optional components for used oil tanks covered by this Standard are:

a) Tank Supports – Integral supports for rectangular tanks connected to the bottom shell, and evaluated for the rated loads. Also see 5.6.

b) Access Devices – Integral stairs to access equipment and accessories are permitted. Also see 5.6.

c) Minor Accessories – Integral heating coils, sumps, lift lugs and equipment brackets for transfer pumps and hose reels are permitted. Also see 5.6.

d) Pumps – Integral pumps are permitted if they comply with ~~the Standard for Power Operated Pumps,~~ UL/ULC 79 or ~~the Outline of Investigation for Hand Operated Pumps for Flammable and Combustible Liquids,~~ UL 124 and rated for petroleum products.

e) Gauges – Integral gauges are permitted if they comply with ~~the Standards for Liquid Level Gauges for Oil Burner Fuel or Other Combustible Liquids,~~ UL/ULC 180.

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6.2.5 Special load tests

6.2.5.1 The special purpose tank types below shall be subjected to the following loads as follows:

a) Generator/Equipment Loads – For generator base tanks, a weight of 4 times the rated equipment load (generator, turbine, heater, etc.), applied to the structural frame/mounting pads for at least 5 minutes.

b) Work Top Loads – For work top tanks, a weight of 4 times the rated top loads (working surface and tool racks), centrally applied to a 1 square foot (0.09 m^2) area of the working surface and tool rack for at least 5 minutes.

c) Top Loads – All tanks with a flat top area of min 1 square foot (0.09 m^2), such as vertical cylindricals, horizontal obrounds and rectangulars shall be subject to the Top Load Test per UL 142, Section 44.

d) Bracket Loads – Mounting brackets with a flat horizontal surface greater than 4.0 square feet (0.4 m^2) shall be subjected to the Static Load Test per UL 142, Section 38.

e) Point Load/Hammer Impact – *Reserved for future use*.

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BSR/UL 817, Standard for Safety for Cord Sets and Power-Supply Cords

Power-Supply Cords for Portable LED Luminaires, New Supplement SF

PROPOSAL

NEW

SUPPLEMENT SF – PORTABLE LED LUMINAIRE POWER-SUPPLY CORDS

INTRODUCTION

SF1 Scope

SF1.1 The requirements of this supplement cover power-supply cords intended only for use with indoor use (dry location) portable LED luminaires not employing convenience receptacles, supplementary circuit output connectors, or induction power transmitters.

SF1.2 The products covered by this supplement employ molded-on NEMA configuration attachment plugs rated a maximum of 125V, 15A, and are intended for shipment to original equipment manufacturers and installed in the end equipment.

CONSTRUCTION

SF2 General

SF2.1 A portable LED luminaire power-supply cord shall comply with all of the applicable construction requirements for general-use power-supply cords in this standard except as modified by the requirements of this supplement.

SF2.2 The total length of a portable LED luminaire power-supply cord shall not exceed 10 ft (3.05 m) in length when measured in accordance with Figure 9.1.

SF3 Flexible Cord

SF3.1 The flexible cord employed shall comply with the Standard for Flexible Cords and Cables, UL 62, and shall be the same as a two-conductor Type SP-2, SPE-2, or SPT-2, except the conductor size shall be 20 AWG (0.519 mm^2) or 22 AWG (0.325 mm^2).

SF3.2 The flexible cord is permitted to employ an overall decorative braid with '-B' suffix in accordance with 6.7.4, except the requirements for outdoor use shall not apply.

SF4 Attachment Plug

SF4.1 The attachment plug shall be of the polarized NEMA 1-15P configuration in accordance with 6.1.

SF4.2 The attachment plug shall comply with the requirements of 7.1 and 7.2.

SF4.3 Overcurrent protection is permitted. When provided, the requirements of Fittings Intended to Accommodate Fuses or Other Overcurrent Protective Devices, SF5 and Overcurrent Protection, SF6 shall apply.

SF5 Fittings Intended to Accommodate Fuses or Other Overcurrent Protective Devices

SF5.1 The enclosure of an overcurrent protective device shall comply with the requirements in 9.7.1 – 9.7.7.

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SF5.2 A fused attachment plug shall be constructed so that there shall not be exposure of live parts during removal or replacement of the fuse, nor exposure of live parts with the fuse cover partially open while the attachment plug is inserted 0.08 in (2.03 mm) into a receptacle. Exposure of live parts shall be determined by contact with the articulate probe illustrated in Figure 6.1 of this standard. The fuse cover of a fused attachment plug shall not be detachable from the device.

SF6 Overcurrent Protection

SF6.1 A portable LED luminaire power-supply cord employing integral overcurrent protection (short circuit and overload protection) rated in accordance with Table SF6.1.

Table SF6.1
Overcurrent protection ratings for portable LED luminaire power-supply cords

Wire size		Power-supply cord rating, amperes	Maximum overcurrent protector rating, amperes
AWG	(mm^2)		
22	(0.325)	0.5	0.625
20	(0.519)	2	2.5

SF6.2 The integral overcurrent protective device shall comply with the Standard for Low-Voltage Fuses – Part 1: General Requirements, UL 248-1, and the Standard for Low-Voltage Fuses – Part 14: Supplemental Fuses, UL 248-14.

SF6.3 The overcurrent protective device, when provided, shall be an integral part of the attachment plug.

SF6.4 When overcurrent protection is provided, the power-supply cord shall employ only one overcurrent protective device, which shall be connected to the ungrounded (narrow) blade of the attachment plug.

SF7 Switches

SF7.1 A switch for a portable LED luminaire power-supply cord shall comply with 9.3, except as modified by SF7.2 and SF7.3.

SF7.2 A switch shall be a through-cord type switch and shall comply with the performance requirements of the Standard for General-Use Snap Switches, UL 20, or the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1.

SF7.3 A switch shall be rated for AC general use, AC-L, AC-DC T, or inductive, and shall have a minimum current rating equal to the rating of the power-supply cord as indicated in Table SF6.1

PERFORMANCE

SF8 General

SF8.1 The portable LED luminaire power-supply cord shall comply with the applicable performance requirements of this standard for general use power-supply cords in Attachment Plugs and Cord Connectors, Section 11, except as modified by Security of Insulation Test, SF9; and Flexing Test, SF10; Tests for Attachment Plugs, Section 12, except the Abrupt pull test, 12.5, is not required; and Tests for Overcurrent Protective Devices, Section 17, except as modified by Tests for Overcurrent Protective Devices, SF11.

SF9 Security of Insulation Test

SF9.1 When a crimp is provided over the insulation of the flexible cord, the assembly shall comply with the Security of insulation test, 11.2, as applicable to cord Type SP-2, SPE-2, or SPT-2, except the applied force shall be 67 N (15 lbf) for 20 AWG (0.519 mm^2) conductors and 45 N (10 lbf) for 22 AWG (0.325 mm^2) conductors.

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SF10 Flexing Test

SF10.1 The attachment plug shall comply with the Flexing test, 11.9, as applicable to cord Type SP-2, SPE-2, or SPT-2, except the number of cycles shall be 750.

SF11 Tests for Overcurrent Protective Devices

SF11.1 The tests for Overcurrent Protective Devices, Section 17, shall be conducted using the largest fuse the fuseholder will accommodate, except that the Water exclusion test, 17.6, is not required. The test currents shall be based on the rating of the fuse but in no case shall be greater than 22 A. Portable LED luminaire power-supply cords employing 22 AWG (0.325 mm^2) conductors shall comply with those tests as applicable to 20 AWG (0.519 mm^2) conductors in 17.5.6.

RATING

SF12.1 The current rating of a portable LED luminaire power-supply cord shall be as indicated in Table SF6.1.

MARKING

SF13.1 A portable LED luminaire power-supply cord shall be marked in accordance with requirements applicable to general use power-supply cords intended for shipment to original equipment manufacturers as described in MARKING, Section 20 of this standard.

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