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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.

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

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

New Standard

BSR/AHRI Standard 1700-202x (SI/I-P), Performance Rating of Air-to-Water Heat Pump Equipment (new standard)
Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators, and trade or professional organizations.

Project Need: The U.S. lacks a suitable testing and rating standard for residential air-to-water heat pumps used in hydronic systems. While these products are currently within the scope of AHRI 550/590 and 551/591, those standards are intended for chillers and are not suitable for smaller residential units.

Interest Categories: Component Manufacturer, Consumer/User, General Interest, Product Manufacturer, Testing Laboratory

Create a new standard for air-to-water heat pump equipment. In the scope of the standard will be factory-made air-to-water heat pumps with rated output capacities less than 100,000 Btu/h. It applies only to electrically operated, single phase, refrigerant compression systems intended for space conditioning applications, but may optionally include domestic hot water capability.

API (American Petroleum Institute)

Diana Escudero <EscuderoD@api.org> | 200 Massachusetts Avenue NW | Washington, DC 20001 www.api.org

Revision

BSR/API 780-202x, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (revision of ANSI/API 780-2013 (R2022))
Stakeholders: Owner/operator, industry associations, government, security professionals, academia, general interest.

Project Need: Current standards need to be revised to clarify methodology, update terminology, and provide current context for security risk assessment. Examples of risks and vulnerabilities are not included in current edition. With users using a simplified document with better examples and increased clarity, a better security risk assessment can be performed.

Interest Categories: Operators-users, manufacturers/service suppliers, general interest.

The standard describes the recommended approach for assessing security risk widely applicable to the types of facilities operated by the petroleum and petrochemical industries and the security issues these industries face. The standard is intended for those responsible for conducting security risk assessments and managing security at these facilities. The method described in this standard is widely applicable to a full spectrum of security issues from theft to insider sabotage to terrorism. An SRA is a systematic process that evaluates the likelihood that a given threat factor (e.g., activist, criminal, disgruntled insider, terrorist) will be successful in committing an intentional act (e.g., damage, theft) against an asset resulting in a negative consequence (e.g., loss of life, economic loss, or loss of continuity of operations). It can consider the potential severity of consequences and impacts to the facility or company itself, to the surrounding community, and on the supply chain.

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

Tanisha Meyers-Lisle <tmlisle@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

New Standard

BSR/ASHRAE 243P-202x, Safety Standard for Transportation Refrigerating Systems (new standard)
Stakeholders: Government, Producers, Owners/Operators

Project Need: There is no applicable refrigerant application safety standard for mobile or transport refrigeration systems. With the industry moving to new, low GWP refrigerants, many of the options are classified with designations other than A1. This standard will establish safe application of refrigeration systems in transport applications as defined by the TPS.

Interest Categories: Producer, Owner/Operator/Occupant, Designer/Builder, Compliance, General

This standard specifies safe design, construction, installation, and operation of refrigerating systems for use in transportation applications.

AWS (American Welding Society)

Jennifer Rosario <jrosario@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

New Standard

BSR/AWS B2.1-23-029-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M- 23/P-23), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, R4043 or R4943, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

This standard contains the essential welding variables for aluminum in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

AWS (American Welding Society)

Jennifer Rosario <jrosario@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

New Standard

BSR/AWS B2.1-23-236-202x, Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Spray Metal Transfer Mode) of Aluminum (M-23/P-23), 1/8 inch [3 mm] through 1-1 /2 inch [38 mm] Thick, ER4043 or ER4943, in the As-Welded Condition, Primarily Pipe Applications (new standard)
Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

This standard contains the essential welding variables for aluminum in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic gas metal arc welding, (spray metal transfer mode) It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for pipe applications.

AWS (American Welding Society)

Jennifer Rosario <jrosario@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

New Standard

BSR/AWS B2.1-23-237-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M-23/P-23), 1/8 inch [3 mm] through1-1 /2 inch [38 mm] Thick, R4043 or R4943, in the As-Welded Condition, Primarily Pipe Applications (new standard)
Stakeholders: Manufacturers, welders, engineers, CWIs, accredited training facilities Manufacturers, welders, engineers, CWIs, accredited training facilities

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Interest Categories: Producers, Users, General Interest, and Educators

This standard contains the essential welding variables for aluminum in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for pipe applications.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA C801-202x, Testing protocol for evaluating effectiveness of detection and suppression systems for battery failure events (new standard)
Stakeholders: Code officials, financial institutions, insurers, fire responders, developers, independent engineers, manufacturers.

Project Need: To develop a standard performance test method for detection, sensing, and suppression systems intended for battery failure conditions that is globally applicable with a clear range of installations applications based on quantified test performance.

Interest Categories: General Interest, Producer Interest, Regulatory Authority, and User Interest.

This Standard outlines a testing protocol for evaluating the effectiveness of detection and suppression systems for battery failure events. It is intended to be used by code officials, financial institutions, insurers, fire responders, developers, independent engineers, manufacturers, and other relevant stakeholders in the battery industry. This Standard is intended to be a stand-alone document that does not interact with other safety or qualification standards such as the IEC, UL, NFPA, or other related safety and performance standards. This testing protocol provides a procedure to verify a claim made by a manufacturer of a detector, sensor, or fire-suppression product to be used with battery failure and fire events. Electrical safety, component selection, and other general safety requirements of the device itself shall follow the appropriate end product technology standard. The individual test legs in the protocol of this Standard have been designed to reproduce battery failure events using a repeatable method that can verify performance of detection, sensing, and suppression systems claimed to be effective in these conditions. The standard will evaluate both if the system is effective for its claimed performance and the extent of its effectiveness.

NSF (NSF International)

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

New Standard

BSR/NSF 536-202x, Portable Water Treatment Systems (PWTS) (new standard)
Stakeholders: State regulators; emergency response organizations; government agencies such as Department of Defense, FEMA, etc., manufacturers; public; humanitarian and other national and international procurement agencies.

Project Need: Portable water treatment systems are being increasingly looked to in the U.S. and globally as a short-term solution following a disaster or other cause of a compromise to public water suppliers, where bottled or trucked in water or indication for boiling may have previously been the strategy. In the U.S., manufacturers of portable water treatment systems and other stakeholders have encountered obstacles from regulators to their implementation because they are not certified as these products do not fall under the scope of NSF any of our existing programs.

Interest Categories: Public Health/Regulatory, Industry, User

The standard will cover the minimum requirements for health effects for portable water treatment systems. Portable water treatment systems are those that are not permanently connected to municipal supplies and are intended to provide short-term treatment to water that serves a community following interruption to municipal supplies.

SDI (ASC A250) (Steel Door Institute)

Linda Hamill <leh@wherryassoc.com> | 30200 Detroit Road | Westlake, OH 44145 www.wherryassocsteeldoor.org

Revision

BSR SDI A250.3-202x, Test Procedure and Acceptance Criteria for Factory Applied Finish Coatings for Steel Doors and Frames (revision of ANSI A250.3-2019)
Stakeholders: Steel door manufacturers and users.

Project Need: To satisfy the 5-year review cycle.

Interest Categories: Consumers, Producers, General Interest

These methods prescribe the procedures to be followed in the selection of material, chemical preparation, coating application, testing, and evaluation of factory-applied finish coatings for steel doors and frames. Coatings covered by this standard include paints, stains, clear coats, and powder coats.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: March 17, 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 k to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
These proposed TPS changes are in response to a public comment submitted during PPR1 of Addendum c to Standard 15-2022. The defined term "refrigerating system" can be used generically for many different end-use applications without invoking the connotations of "air-conditioning" and "refrigeration" as being distinct and only applicable to certain temperature ranges. SSPC 15 is already wrestling with terminology issues such as the introduction of the phrase "commercial refrigeration applications" in Addendum e to Standard 15-2022. If the defined term was instead "refrigeration system", as was proposed in PPR1, then some users may incorrectly infer that certain requirements do not apply to air-conditioners, dehumidifiers, or other types of equipment that do not commonly use the word "refrigeration". SSPC15 accepted a public comment objecting to the proposed change in the defined term, and instead proposing to revise the TPS to resolve the discrepancy.
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

Comment Deadline: March 17, 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 l to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum revises Section 7.3.1 to clarify intent for determination of maximum refrigerant charge limits. This addendum is follow up to committee responses to interpretation requests IC-15-2022-1 and IC-15 -2022-2 (available at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-interpretations/interpretations-to-standard-15-2022).
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 20092 | knguyen@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum m to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum provides consistency on the use of relative molar mass throughout ASHRAE Standard 15. It further harmonizes with ASHRAE Standard 34 on the use of relative molar mass, and better defines the connection of several other defined terms within ASHRAE Standard 15 to ASHRAE Standard 34 (i.e., LFL, OEL, RCL).
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 20092 | knguyen@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum x to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-490A to Tables 4-2 and D-2.
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.)
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Addenda

BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-491A to Tables 4-2 and D-2.
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

Comment Deadline: March 17, 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 z to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum revises Section 4, "Numbering of Refrigerants" to expand the logic of the ethane series to also include the ethene series. Normative references are also updated.
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 h to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)
Healthcare facilities are unique in that they need to maintain normal operating targets while experiencing atypical conditions, such as temperature extremes beyond the typical ASHRAE 99.6% heating condition, and being required to achieve quick temperature rises in some patient occupied rooms. Heating hot water is a typical medium utilized for this management of these operational targets. The target value of 130°F (54°C) is selected to find the balance between performance of efficient heat generation equipment, such as Heat Recovery Chillers/Heat Pumps, and reasonable heating coil sizes and pressure drops.
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 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum j to ANSI/ASHRAE/IES Standard 90.2-2022, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)
This independent substantive change to the previous public review draft accepts commenter feedback to make the off-site renewable power definitions consistent with Standard 189.1 and to correct an equation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: March 17, 2024

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

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

Addenda

BSR/ASHRAE/IES Addendum u to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum modifies Section 6.5.3.2.1 to lower the minimum airflow turndown rate on VAV units from 50% to 15% so the system can operate effectively during low occupancy or ventilation-only periods without the need for a bypass duct.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum x to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum provides an exception to the zone isolation requirement of 6.4.3.3.4 for situations in which it would not be permitted (e.g., for compliance with ASHRAE 170).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum z to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
The addendum adjusts an existing footnote that applies to Table 9.5.2.2 (Additional Lighting Power) and adds an exception that was previously omitted in Section 9.2.2.2 (Exterior Lighting Power Allowance).
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 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 42-202x (i131r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

Comment Deadline: March 17, 2024

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i40r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i44r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 and 21 CFR Part 211, International Council for Harmonisation of Technical Requirements for Pharmaceutical for Human Use (ICH) Quality Guidelines, 1, 7, and 10, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i45r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 and 21 CFR Part 211, International Council for Harmonisation of Technical Requirements for Pharmaceutical for Human Use (ICH) Quality Guidelines, 1, 7, and 10, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-4-4-202x, UL Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws (identical national adoption of IEC 62841-4-4 and revision of ANSI/UL 62841-4-4-2021)
(1) Revision to remove guarding requirements for grass trimmers, brush cutters, and brush saws; (2) Revision to clarify impact test requirements for grass trimmers, brush cutters, and brush saws.
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: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: March 17, 2024

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Lisette.delgado@ul.org, https://ulse.org/

New Standard

BSR/UL 1008M-202x, Standard for Transfer Switch Equipment, Meter-Mounted (new standard)
Revisions to the proposed First Edition of the Standard for Transfer Switch Equipment, Meter-Mounted, UL 1008M.
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: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: April 1, 2024

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

New Standard

BSR/AARST SG-OMM-202x, Long-Term Stewardship of Radon and Soil Gas Hazards (new standard)
This standard provides prescriptive requirements and guidance for long-term management of hazards associated with radon gas, chemical vapors, and other specified soil gases. This standard provides requirements associated with (1) continued operation and maintenance of systems designed to reduce radon and soil gas hazards and (2) monitoring radon and soil gas hazards across time to protect current and future building occupants. This standard of practice is applicable to all buildings intended for occupancy except dwellings where the owner is both the occupant and responsible party for maintaining stewardship of radon and soil gas hazards.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: Same

AGA (ASC B109) (American Gas Association)

400 N. Capitol St., NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Reaffirmation

BSR B109.1-2019 (R202x), Diaphragm-Type Gas Displacement Meters (Under 500 Cubic Feet Per Hour Capacity) (reaffirmation of ANSI B109.1-2019)
This publication represents a basic standard for safe operation and substantial and durable construction for diaphragm-type gas displacement meters having a gas flow rating of under 500 cubic feet per hour (14.2m3/h) at 0.5 inch water column (125 Pa) differential pressure at base conditions. This work is the result of years of experience, supplemented by extensive research. The standard is designed to ensure efficient performance and substantial construction of equipment.
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#b109
Send comments (copy psa@ansi.org) to: Luis Escobar, lescobar@aga.org

Comment Deadline: April 1, 2024

AGA (ASC B109) (American Gas Association)

400 N. Capitol St., NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Reaffirmation

BSR B109.3-2019 (R202x), Rotary-Type Gas Displacement Meters (reaffirmation of ANSI B109.3-2019)
This publication represents a basic standard for operation, substantial and durable construction, and acceptable performance for rotary-type gas displacement meters. This work is the result of years of experience that has been supplemented by extensive research. The standard is intended to meet the minimum design, material, performance, and testing requirements for efficient use of rotary displacement meters.
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#b109
Send comments (copy psa@ansi.org) to: Luis Escobar, lescobar@aga.org

AGMA (American Gear Manufacturers Association)

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

Revision

BSR/AGMA 2101-EXX, Fundamental Rating Factors and Calculation Methods for Involute Spur and Helical Gear Teeth (revision and redesignation of ANSI/AGMA 2101-D04 (R2016))
This standard specifies a method for rating the macropitting resistance and bending strength of spur and helical involute gear pairs. A detailed discussion of factors influencing gear survival and calculation methods are provided.
Single copy price: $390.00
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Amir Aboutaleb <tech@agma.org>

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170m-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)
Proposed Addendum m revises Tables 7-1, 8-1, 8-2, and 9-1 to incorporate types of room units that are allowable for each space type. This will provide clarity and consistency within this standard. Addendum h also modifies text within Sections 8.1 and 8.2 that is associated with unoccupied turndowns. This addendum comprises the following general edits: New definition for room unit. Revisions to Tables 7-1, 8-1, 8-2, and 9-1 modifying the general requirement for recirculating room units to align with the definition and specify the type of room unit allowable in each space. Revisions to the requirements for air change rate provisions with respect to room units.
Single copy price: $35.00
Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 1, 2024

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum r to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum clarifies the difference between an envelope floor and a floor with the ordinary meaning and revises the italicized terms as appropriate throughout the standard.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum t to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum proposes to remove Table 9.5.2.3, which provided an additional power allowance for lighting controls, because it was motivated by inefficiencies in fluorescent lighting that is no longer relevant since the shift to LEDs.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum v to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum proposes to update Annex 1 containing climate data for building design from its current reference of Standard 169-2013 to the latest Standard 169-2021.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 1, 2024

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

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

Addenda

BSR/ASHRAE/IES Addendum y to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
The addendum modifies Section 6.5.6.1.1 to provide clear requirements for exhaust air energy recovery in non-transient dwelling units and includes an additional compliance path using CSA 439.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

New Standard

BSR/ASHRAE Standard 185.4-202x, Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room (new standard)
The purpose of Standard 185.4-202x is to establish a test method for evaluating the efficacy of germicidal ultraviolet systems for microbial inactivation on multiple surface locations in a test room.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | LBauerschmidt@assp.org, www.assp.org

Revision

BSR/ASSP Z359.1-202x, The Fall Protection Code (revision of ANSI/ASSP Z359.1-2020)
The Fall Protection Code is a set of standards that covers program management; system design; training; qualification and testing; equipment, component and system specifications for the processes used to protect workers at height in a managed fall protection program. This standard identifies those requirements and establishes their role in the Fall Protection Code and their interdependence.
Single copy price: $150.00
Obtain an electronic copy from: LBauerschmidt@assp.org
Send comments (copy psa@ansi.org) to: Same

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | LBauerschmidt@assp.org, www.assp.org

Revision

BSR/ASSP Z359.15-202x, Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest Systems (revision and redesignation of ANSI ASSE Z359.15-2014)
This standard establishes requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance and storage and removal from service of single anchor lifelines and fall arresters for users within the capacity range of 110 to 310 pounds (50 to 140 kg).
Single copy price: $150.00
Obtain an electronic copy from: LBauerschmidt@assp.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 1, 2024

AWS (American Welding Society)

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

New Standard

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (new standard)
This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment which are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.
Single copy price: $48.00 for non-members; $36.00 for members
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 FHIR® OBS R1-2019 (R202x), HL7 FHIR R4 Observation, Release 1 (reaffirmation of ANSI/HL7 FHIR® OBS R1-2019)
The FHIR clinical resource - Observation scope includes the Observation resource and associated code systems and value sets.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 FHIR® R4 INFRASTRUCTURE R1-2019 (R202x), HL7 FHIR® R4 Infrastructure, Release 1 (reaffirmation of ANSI/HL7 FHIR® R4 INFRASTRUCTURE R1-2019)
This is key core content that is fundamental to how FHIR works including the Binary and Bundle resources, most data types, the XML & JSON syntaxes, the functioning of the REST interface and methodology around profiling, extensibility and inter-version interoperability.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 FHIR® R4 PATIENT R1-2019 (R202x), HL7 FHIR® R4 Patient, Release 1 (reaffirmation of ANSI/HL7 FHIR R4 PATIENT R1-2019)
The FHIR administrative resource - Patient scope includes the Patient resource and associated code systems and value sets.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 1, 2024

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 FHIR R4 TERMINOLOGY R1-2019 (R202x), HL7 FHIR R4 Terminology & Conformance, Release 1 (reaffirmation of ANSI/HL7 FHIR R4 TERMINOLOGY R1-2019)
The resources used to define FHIR system capabilities including resources & data type definitions, profiles, extensions, operations, code systems and value sets along with the code systems and value sets used by those resources.
Single copy price: Free
Obtain an electronic copy from: Lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 IG UDI, R2-2020 (R202x), HL7 Cross Paradigm Implementation Guide: UDI Pattern, Release 2 (reaffirmation of ANSI/HL7 IG UDI, R2-2020)
The Unique Device Identifier (UDI) Pattern provides the guidelines for exchanging UDI information associated with medical devices, initially implantable devices in patients. This document will not give implementation guidance for specific use cases and worfklows, but will set the overarching guidelines for all working groups that need to exchange the unique device identification on the fields and format intended for expressing UDI related data using V2, V3, and FHIR. The goal of the UDI Pattern is to enable semantic interoperability for recording UDI information on medical devices used on or implanted in patients regardless of the information exchange standard used to move the information across (e.g., HL7 Version 2.x, HL7 v3 messages or CDA, HL7 FHIR).
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 RLUS, R1-2013 (R202x), HL7 Version 3 Standard: Retrieve, Locate, and Update Service (RLUS), Release 1 (reaffirmation of ANSI/HL7 RLUS, R1-2013 (R2019))
The Retrieve, Locate, and Updating Service (RLUS) Service Functional Model specification provides a set of capabilities through which information systems can access and manage information resources. RLUS realizes, at its core, a basic set of CRUD capabilities plus location for health information resources management and, simply, standardizes the way in which the resources are exposed and consumed independently from the nature of the resources. HL7 Service Functional Models (SFMs) specify the functional requirements of a service. This work is complemented by a Service Technical Model (STM) specification, such as the complementary OMG's Retrieve, Locate, and Update Service (RLUS) Specification which specifies the technical requirements of a service.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 1, 2024

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V3 IS, R1-2014 (R202x), HL7 Version 3 Standard: Identification Service (IS), Release 1 (reaffirmation of ANSI/HL7 V3 IS, R1-2014)
This service is intended to allow for the resolution of demographics and other identifying characteristics (aka properties, aka traits) to a unique identifier. This allows any clinical system that uses the service to maintain a common description for each entity and to manage the entities. Having a standard interface for accessing and maintaining entity identification information allows systems and applications to have a consistent means of indexing data related to an entity.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V3 ISODT, R1-2013 (R202x), HL7 Version 3 Standard: XML Implementation Technology Specification R2; ISO-Harmonized Data Types, Release 1 (reaffirmation of ANSI/HL7 V3 ISODT, R1-2013 (R2018))
This product provides a set of global representations for data used in the presentation and communication of healthcare information. This standardized set has been approved by the International Standards Organization's (ISO) Medical Informatics Technical Committee (TC-215) as a proper subset of data types currently adopted by national and transnational healthcare standards development organizations. This document provides a UML and XML implementation of the data types, and is based on Release 2 of the XML ITS data types that is currently in ballot. This document is shared and jointly balloted between HL7, CEN, and ISO.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V3 XMLITSSTR, R2-2013 (R202x), HL7 Version 3 Standard: XML Implementation Technology Specification - V3 Structures, Release 2 (reaffirmation of ANSI/HL7 V3 XMLITSSTR, R2-2013)
An Implementable Technology Specification (ITS) for the encoding rules for HL7 Version 3 messages based on the Extensible Markup Language XML. This document represents the method that is recommended by HL7, describing the underlying rules and principles. The corresponding data type descriptions necessary for this specification are described in the "ISO-Harmonized Data Types, Release 1" specification.
Single copy price: Free
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: April 1, 2024

NEMA (ASC C18) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

BSR C18.3M, Part 1-202x, Portable Lithium Primary Cells and Batteries-General and Specifications (revision of ANSI C18.3M, Part 1-2019)
This Standard applies to portable lithium primary cells and batteries. This edition includes the following electrochemical systems: (a) Lithium/carbon monofluoride; (b) Lithium/manganese dioxide; and (c) Lithium/iron disulfide.
Single copy price: $41.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-046.3-202x, NENA Virtual PSAP Management Standard (new standard)
Utilizing lessons learned during the COVID pandemic and other significant events (natural or man-made), the proposed standard will document standardized recommendations for PSAPs to address future needs where traditional brick and mortar operations are not feasible to maintain service delivery to the public. The proposed standard will discuss the operational and technical considerations for working in virtual/remote environments, including but not limited to staffing, workforce management and emergency call handling considerations.
Single copy price: Free
Obtain an electronic copy from: Download and submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=31821&wg_id=1ef43112-072a-4b8b-9035-26485f25b22a
Send comments (copy psa@ansi.org) to: Same

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 16-2018 (R202x), Test Procedure for Hum Modulation (reaffirmation of ANSI/SCTE 16-2018)
This test procedure provides instructions for how to measure hum modulation in active and passive broadband RF telecommunications equipment (taps, line passives, RF Amplifiers, Optical Nodes, etc.) in a laboratory environment. This procedure is not intended for field measurements.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 29-2018 (R202x), Torque Requirements for Bond Wire Penetration of Bonding Set Screw (reaffirmation of ANSI/SCTE 29-2018)
This test procedure will determine the torque required for a bonding fastener to penetrate a bonding wire to the appropriate depth. Bonding wire penetration should be 25 +/-1% of wire diameter.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

Comment Deadline: April 1, 2024

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 106-2018 (R202x), DOCSIS Set-top Gateway (DSG) Specification (reaffirmation of ANSI/SCTE 106 -2018)
The DOCSIS Set-top Gateway (DSG) specification defines an interface and associated protocol that introduces additional requirements on a DOCSIS CMTS and DOCSIS CM to support the configuration and transport of a class of service known as "Out-Of-Band (OOB) messaging" between a Set-top Controller (or application servers) and the customer premise equipment (CPE). In general, the CPE is intended to be a digital Set-top Device, but may include other CPE devices, such as Residential Gateways or other electronic equipment.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 135-1-2018 (R202x), DOCSIS 3.0 Part 1: Physical Layer Specification (reaffirmation of ANSI/SCTE 135 -1-2018)
This specification is part of the DOCSIS family of specifications. In particular, this specification is part of a series of specifications that defines the third generation of high-speed data-over-cable systems. This specification was developed for the benefit of the cable industry and includes contributions by operators and vendors from North America, Europe, China, and other regions.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 191-2018 (R202x), Test Method for Axial Pull Force, Female F Port (reaffirmation of ANSI/SCTE 191 -2018)
This is a test method to determine F Port strength when subjected to axial pull. This test procedure is used to evaluate the mechanical strength of female "F" ports when an axial pull force is applied.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 441-2021 (R202x), Standard for Gas Vents (reaffirmation of ANSI/UL 441-2006 (R2019))
Reaffirmation and continuance of the 11th Edition of the Standard for Gas Vents, UL 441, as an standard
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/
Send comments (copy psa@ansi.org) to: https://csds.ul.com/

Comment Deadline: April 1, 2024

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 959-2021 (R202x), Medium Heat Appliance Factory-Built Chimneys (reaffirmation of ANSI/UL 959-2006 (R2019))
(1) Reaffirmation and continuance of the 9th Edition of the Standard for Medium Heat Appliance Factory-Built Chimneys, UL 959, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/
Send comments (copy psa@ansi.org) to: https://csds.ul.com/

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 1777-2021 (R202x), Chimney Liners (reaffirmation of ANSI/UL 1777-2009a (R2019))
(1) Reaffirmation and continuance of the 5th Edition of the Standard for Chimney Liners, UL 1777, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/
Send comments (copy psa@ansi.org) to: https://csds.ul.com/

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2790-2010 (R202x), Standard for Safety for Commercial Incinerators (reaffirmation of ANSI/UL 2790 -2010 (R2019))
These requirements apply to direct-fed incinerators, including those of the gas and electric ignition types, designed primarily for use as a crematory.
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: April 1, 2024

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL/ULC 567-2021 (R202x), Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Petroleum Products and LP-Gas (reaffirmation and redesignation of ANSI/UL 567-2021)
The following changes in requirements are being proposed for preliminary review and comment only: (1) Clarify product descriptions; (2) Distinguish rotating joint from swivel joint; (3) Revisions to Operation Test; (4) Revisions to Marking Adhesion Test; (5) Revisions to Pull Test with respect to pipe-connecting fittings; (6) Revisions to Electrical Continuity Test; (7) Revisions to Endurance Test; (8) Revisions to marking section; (9) Revisions to the Moist Ammonia-Air Stress Cracking Test; (10) Revisions to the tests of synthetic rubber parts; (11) Editorial revisions.
Single copy price: Free
Obtain an electronic copy from: 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/ProposalRequest/Details/40703

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 153-2023)
This proposal for UL 153 covers updates to the following topics of the UL 153 proposal dated 11-3-23: (1) Clarification on Power Supply for Portable Luminaires with USB/POE Connections; (2) Removal of maximum number of convenience receptacle used in portable luminaires; (4) Clarification of Power Supply Cord Size, Maximum Receptacle Load, and Marking for Portable Work Lights and Portable Hand Lights.
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

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

New Standard

BSR/VITA 91.0-202x, Connector for Higher Density VPX Applications (new standard)
This standard, VITA 91.0 Connector for Higher Density VPX, provides a higher density and higher speed alternative connector to the one specified in the VITA 46.0 VPX Baseline Standard. Because the 46.0 and the 91.0 connectors are not intermateable, a VITA 91.0 plug-in module will not plug into a VITA 46.0 backplane and vice versa.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: April 16, 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 B1.1-202x, Unified Inch Screw Threads (UN, UNR, and UNJ Thread Forms) (revision of ANSI/ASME B1.1-2019)
This Standard specifies the thread form, series, class, allowance, tolerance, and designation for unified screw threads. (In order to emphasize that unified screw threads are based on inch modules, they may be denoted unified inch screw threads.)
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

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 B1.30-202x, Screw Threads: Standard Practice for Calculating and Rounding Dimensions (revision of ANSI/ASME B1.30-2002 (R2022))
The purpose of this Standard is to establish uniform and specific practices for calculating and rounding the numeric values used for inch and metric screw thread design data dimensions and where appropriate for gages.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 1390-202x, Standard for Solid Fuel Fireplace Inserts and Hearth-Mounted Stoves for Installation into Masonry Fireplaces (new standard)
1.1 These requirements cover solid-fuel burning fireplace inserts or hearth-mounted stoves intended to be vented through the throat or damper area of a masonry fireplace and masonry chimney system. The appliances may be installed into new masonry fireplaces, or masonry fireplaces that have been operated for some time, i.e., in these cases the fireplace insert or hearth-mounted stove installations are retrofits. 1.1.1 Requirements for masonry fireplaces equipped with factory-built chimneys are provided in Annex A 1.2 The requirements include testing with a continuous chimney liner from the appliance collar to the point of termination. 1.3 This standard addresses fireplace inserts or hearth-mounted stoves that may also incorporate catalytic combustors and/or secondary combustion systems.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Isabella Brodzinski, isabella.brodzinski@ul.org

Project Withdrawn

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

ASTM (ASTM International)

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

BSR/ASTM WK66071-202x, New Guide for Use of Fire Performance Data in Materials Property Determination (new standard)
Send comments (copy psa@ansi.org) to: Laura Klineburger <accreditation@astm.org>

AWWA (American Water Works Association)

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

BSR/AWWA C214a-202x, Addendum to C214-20, Machine-Applied Polyolefin Tape Coatings for Steel Water Pipe (supplement to ANSI/AWWA C214-2020)
Send comments (copy psa@ansi.org) to: Paul Olson <polson@awwa.org>

AWWA (American Water Works Association)

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

BSR/AWWA C225a-202x, Addendum to C225-20, Fused Polyolefin Coatings for Steel Water Pipe (supplement to ANSI/AWWA C225-2020)
Send comments (copy psa@ansi.org) to: Paul Olson <polson@awwa.org>

CTA (Consumer Technology Association)

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

BSR/CTA 2068.2-202x, Definitions and Characteristics of Consumer Technologies for Monitoring Physical and Psychosocial Stress - Respiration (new standard)
Send comments (copy psa@ansi.org) to: Kerri Haresign <KHaresign@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 2068.3-202x, Definitions and Characteristics of Consumer Technologies for Monitoring Physical and Psychosocial Stress - Skin Conductance (new standard)
Send comments (copy psa@ansi.org) to: Kerri Haresign <KHaresign@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 2091-202x, Measurement by CTDs of environmental factors associated with sleep (new standard)
Send comments (copy psa@ansi.org) to: Kerri Haresign <KHaresign@cta.tech>

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

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

INCITS/ISO/IEC 19794-7:2014 [R202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirm a national adoption INCITS/ISO/IEC 19794-7:2014 [R2019])
Send comments (copy psa@ansi.org) to: Lynn Barra <comments@standards.incits.org>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB BPR 171-2024, Best Practice Recommendations for the Management and Use of Quality Assurance DNA Elimination Databases in Forensic DNA Analysis (new standard) Final Action Date: 2/8/2024 | *New Standard*

AAMI (Association for the Advancement of Medical Instrumentation)

901 North Glebe Road, Suite 300, Arlington, VA 22203 | MWilliams@aami.org, www.aami.org

ANSI/AAMI/ISO 11737-1:2018/A1:2021, Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products - Amendment (addenda to ANSI/AAMI/ISO 11737-1 -2018) Final Action Date: 2/9/2024 | *Addenda*

ANSI/AAMI/ISO 13004-2022, Sterilization of health care products - Radiation - Substantiation of selected sterilization dose: Method VDmaxSD (identical national adoption of ISO 13004:2022) Final Action Date: 2/9/2024 | *National Adoption*

ACCA (Air Conditioning Contractors of America)

1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | david.bixby@acca.org, www.acca.org

ANSI/ACCA 3 Manual S-2023 Addendum A, Residential Equipment Selection (supplement to ANSI/ACCA 3 Manual S -2023) Final Action Date: 2/6/2024 | *Supplement*

HPS (ASC N13) (Health Physics Society)

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | awride-graney@burkinc.com, www.hps.org

ANSI N13.45-2024, Incineration of Low-Level Radioactive Waste (new standard) Final Action Date: 2/8/2024 | *New Standard*

ICC (International Code Council)

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

ANSI/ICC 1300-2024, Standard for the Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings (new standard) Final Action Date: 2/8/2024 | *New Standard*

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

ANSI ICEA S-103-701-2018 (R2024), Riser Cables Technical Requirements (reaffirmation of ANSI ICEA S-103-701-2018) Final Action Date: 2/9/2024 | *Reaffirmation*

NSF (NSF International)

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

ANSI/NSF 5-2024 (i11r1), Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (revision of ANSI/NSF 5-2019) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF 13-2024 (i8r1), Refuse Processors and Processing Systems (revision of ANSI/NSF 13-2020) Final Action Date: 2/3/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 14-2024 (i138r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022) Final Action Date: 2/6/2024 | *Revision*

ANSI/NSF 35-2024 (i11r1), High Pressure Decorative Laminates for Surfacing Food Service Equipment (revision of ANSI/NSF 35-2020) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF 37-2024 (i10r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2020) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF 49-2024 (i190r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF 52-2024 (i9r1), Supplemental Flooring (revision of ANSI/NSF 52-2020) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF 59-2024 (i11r1), Mobile Food Carts (revision of ANSI/NSF 59-2020) Final Action Date: 2/3/2024 | *Revision*

ANSI/NSF/CAN 50-2024 (i168r7), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2023) Final Action Date: 1/31/2024 | *Revision*

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI/SCTE 77-2023, Specifications for Underground Enclosure Integrity (revision of ANSI/SCTE 77-2017) Final Action Date: 2/8/2024 | *Revision*

ANSI/SCTE 144-2023, Test Procedure for Measuring Transmission and Reflection (revision of ANSI/SCTE 144-2017) Final Action Date: 2/6/2024 | *Revision*

ANSI/SCTE 156-2023, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2019) Final Action Date: 2/6/2024 | *Revision*

ANSI/SCTE 160-2023, Specification for Mini F Connector, Male, Pin Type (revision of ANSI/SCTE 160-2018) Final Action Date: 2/8/2024 | *Revision*

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | info@spri.org, www.spri.org

ANSI/SPRI VR-1-2018 (R2024), Procedure for Investigating Resistance to Root or Rhizome Penetration on Vegetative Roofs (reaffirmation of ANSI/SPRI VR-1-2018) Final Action Date: 2/5/2024 | *Reaffirmation*

ULSE (UL Standards & Engagement)

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

ANSI/UL 61010-2-011-2024, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2023) Final Action Date: 2/2/2024 | *National Adoption*

ANSI/UL 1069-2024, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2007) Final Action Date: 2/8/2024 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

AAMI - Association for the Advancement of Medical Instrumentation

Revision of ISO 23500:2019

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

ANSI Accredited Standards Developer

AWS - American Welding Society

D14 Committee on Machinery and Equipment

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

ANSI Accredited Standards Developer

AWS - American Welding Society

C3 Committee on Brazing and Soldering

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

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST SG-OMM-202x, Long-Term Stewardship of Radon and Soil Gas Hazards (new standard)

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

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

BSR/AHRI Standard 1700-202x (SI/I-P), Performance Rating of Air-to-Water Heat Pump Equipment (new standard)

API (American Petroleum Institute)

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

BSR/API 780-202x, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (revision of ANSI/API 780-2013 (R2022))

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

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

BSR/ASHRAE 243P-202x, Safety Standard for Transportation Refrigerating Systems (new standard)

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | LBauerschmidt@assp.org, www.assp.org

BSR/ASSP Z359.1-202x, The Fall Protection Code (revision of ANSI/ASSP Z359.1-2020)

AWS (American Welding Society)

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

BSR/AWS B2.1-23-029-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M- 23/P-23), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, R4043 or R4943, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

AWS (American Welding Society)

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

BSR/AWS B2.1-23-236-202x, Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Spray Metal Transfer Mode) of Aluminum (M-23/P-23), 1/8 inch [3 mm] through 1-1 /2 inch [38 mm] Thick, ER4043 or ER4943, in the As-Welded Condition, Primarily Pipe Applications (new standard)

AWS (American Welding Society)

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

BSR/AWS B2.1-23-237-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M-23/P-23), 1/8 inch [3 mm] through1-1 /2 inch [38 mm] Thick, R4043 or R4943, in the As-Welded Condition, Primarily Pipe Applications (new standard)

AWS (American Welding Society)

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

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (new standard)

NENA (National Emergency Number Association)

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

BSR/NENA STA-046.3-202x, NENA Virtual PSAP Management Standard (new standard)
Interest Categories: NENA is seeking new members in the User, Producer, and General Interest categories participants. A variety of expertise is sought from the public safety and 9-1-1 industries as well as those with experience in irtual/remote environments.

NSF (NSF International)

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

BSR/NSF 42-202x (i131r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i40r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2022)

NSF (NSF International)

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

BSR/NSF 455-4-202x (i44r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455 -4-2022)

NSF (NSF International)

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

BSR/NSF 455-4-202x (i45r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455 -4-2022)

NSF (NSF International)

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

BSR/NSF 536-202x, Portable Water Treatment Systems (PWTS) (new standard)

SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH 44145 | leh@wherryassoc.com, www.wherryassocsteeldoor.org

BSR SDI A250.3-202x, Test Procedure and Acceptance Criteria for Factory Applied Finish Coatings for Steel Doors and Frames (revision of ANSI A250.3-2019)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 91.0-202x, Connector for Higher Density VPX Applications (new standard)

American National Standards (ANS) Announcements

Discontinuance of a standards project

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

INCITS/ISO/IEC 19794-7:2014 [R202x]

The reaffirmation processing for INCITS/ISO/IEC 19794-7:2014[R202x] is cancelled as INCITS/ISO/IEC 19794-7:2014 [R2019] has been superseded by the new adoption of INCITS/ISO/IEC 19794-7:2021[2023].

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

CSA - CSA America Standards Inc.

April 26, 2024 Fuel Cell Technical Committee Meeting

CSA Group will hold the Fuel Cell Technical Committee meeting by teleconference on April 26, 2024 from 1 p. m. to 4 p.m. EST. For more information on the meeting and the agenda, contact Mark Duda at mark.duda@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than March 8, 2024. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Mark Duda at mark.duda@csagroup.org.

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
www.aafs.org

Teresa Ambrosius
tambrosius@aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org

Thomas Kim
tkim@aami.org

AAMI
Association for the Advancement of Medical Instrumentation
901 North Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org

Matthew Williams
MWilliams@aami.org

AARST
American Association of Radon Scientists and Technologists
527 N. Justice Street
Hendersonville, NC 28739
www.aarst.org

Gary Hodgden
StandardsAssist@gmail.com

ACCA
Air Conditioning Contractors of America
1520 Belle View Boulevard, #5220
Alexandria, VA 22307
www.acca.org

David Bixby
david.bixby@acca.org

AGA (ASC B109)
American Gas Association
400 N. Capitol St., NW, Suite 450
Washington, DC 20001
www.aga.org

Luis Escobar
lescobar@aga.org

AGMA
American Gear Manufacturers Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
www.agma.org

Phillip Olson
olson@agma.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201
www.ahrinet.org

Karl Best
kbest@ahrinet.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
www.api.org

Diana Escudero
EscuderoD@api.org

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

Carmen King
cking@ashrae.org

Emily Toto
etoto@ashrae.org

Kai Nguyen
knguyen@ashrae.org

Mark Weber
mweber@ashrae.org

Tanisha Meyers-Lisle
tmlisle@ashrae.org

Thomas Loxley
tloxley@ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue, 6th Floor
New York, NY 10016
www.asme.org

Maria Acevedo
ansibox@asme.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
www.assp.org

Lauren Bauerschmidt
LBauerschmidt@assp.org

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

Jennifer Rosario
jrosario@aws.org

Kevin Bulger
kbulger@aws.org

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

Debbie Chesnik
ansi.contact@csagroup.org

HL7
Health Level Seven
455 E. Eisenhower Parkway, Suite 300
#025
Ann Arbor, MI 48108
www.hl7.org

Lynn Laakso
lynn@hl7.org

HPS (ASC N13)
Health Physics Society
950 Herndon Parkway, Suite 450
Herndon, VA 20170
www.hps.org

Amy Wride-Graney
awride-graney@burkinc.com

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

Karl Aittaniemi
kaittaniemi@iccsafe.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Arlington, VA 22209
www.nema.org

Khaled Masri
Khaled.Masri@nema.org

NENA
National Emergency Number Association
1700 Diagonal Road Suite 500, Suite 500
Alexandria, VA 22314
www.nena.org

Sandy Dyre
crm@nena.org

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

Allan Rose
arose@nsf.org

Jessica Evans
jevans@nsf.org

Monica Milla
mmilla@nsf.org

Rachel Brooker
rbrooker@nsf.org

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

Natasha Aden
naden@scte.org

SDI (ASC A250)
Steel Door Institute
30200 Detroit Road
Westlake, OH 44145
www.wherryassocsteeldoor.org

Linda Hamill
leh@wherryassoc.com

SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road, Suite 421
Waltham, MA 02452
www.spri.org

Linda King
info@spri.org

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

Theodore Shieff
theodore.shieff@ul.org

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

Doreen Stocker
Doreen.Stocker@ul.org

Johnny Hall
johnny.hall@ul.org

Julio Morales
Julio.Morales@UL.org

Vickie Hinton
Vickie.T.Hinton@ul.org

ULSE
UL Standards & Engagement
1603 Orrington Ave, Suite 2000
Evanston, IL 60201
https://ulse.org/

Isabella Brodzinski
isabella.brodzinski@ul.org

Lisette Delgado
Lisette.delgado@ul.org

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

Marcia Kawate
Marcia.M.Kawate@ul.org

VITA
VMEbus International Trade Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com

Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 22002-1, Prerequisite programmes on food safety - Part 1: Food manufacturing - 4/26/2024, $53.00

ISO/DIS 22002-2, Prerequisite programmes on food safety - Part 2: Catering - 4/27/2024, $62.00

ISO/DIS 22002-4, Prerequisite programmes on food safety - Part 4: Food packaging manufacturing - 4/27/2024, $46.00

ISO/DIS 22002-5, Prerequisite programmes on food safety - Part 5: Transport and storage - 4/28/2024, $46.00

ISO/DIS 22002-6, Prerequisite programmes on food safety - Part 6: Feed and animal food production - 4/26/2024, $40.00

ISO/DIS 22002-7, Prerequisite programmes on food safety - Part 7: Retail - 4/26/2024, $46.00

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

ISO/DIS 19338, Performance requirements for standards on concrete structures - 4/28/2024, $67.00

Cranes (TC 96)

ISO/DIS 10972-1, Cranes - Requirements for mechanisms - Part 1: General - 4/29/2024, $58.00

Domestic gas cooking appliances (TC 291)

ISO/DIS 21364-21, Domestic gas cooking appliances - Safety - Part 21: Particular requirements for gas hobs, gas grills and gas griddles - 5/2/2024, $102.00

ISO/DIS 21364-22, Domestic gas cooking appliances - Safety - Part 22: Particular requirements for ovens and compartment grills - 5/2/2024, $107.00

Information and documentation (TC 46)

ISO/DIS 9706, Information and documentation - Paper for documents - Requirements for permanence - 4/28/2024, $53.00

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

ISO/DIS 15589-1, Oil and gas industries including lower carbon energy - Cathodic protection of pipeline systems - Part 1: On-land pipelines - 4/29/2024, $155.00

Non-destructive testing (TC 135)

ISO/DIS 15708-1, Non-destructive testing - Radiation methods for computed tomography - Part 1: Terminology - 4/29/2024, $33.00

ISO/DIS 15708-2, Non-destructive testing - Radiation methods for computed tomography - Part 2: Principles, equipment and samples - 5/2/2024, $67.00

ISO/DIS 15708-4, Non-destructive testing - Radiation methods for computed tomography - Part 4: Qualification - 5/2/2024, $53.00

Paper, board and pulps (TC 6)

ISO/DIS 3035, Corrugated fibreboard - Determination of flat crush resistance - 4/29/2024, $46.00

Pulleys and belts (including veebelts) (TC 41)

ISO/DIS 12046, Synchronous belt drives - Automotive belts - Determination of physical properties - 4/29/2024, $58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 9945, Information technology - Portable Operating System Interface (POSIX®) base specifications - Issue 8 - 4/29/2024, FREE

ISO/IEC DIS 20582, Software and systems engineering - Capabilities of build and deployment tools - 4/29/2024, $102.00

ISO/IEC DIS 29794-5, Information technology - Biometric sample quality - Part 5: Face image data - 4/27/2024, $134.00

IEC Standards

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

46F/659/CDV, IEC 61169-1-9 ED1: Radio-frequency connectors- Part 1-9: Mechanical test methods- Safety wire hole pull-out, 05/03/2024

46F/666/FDIS, IEC 61169-69 ED1: Radio-frequency connectors - Part 69: Sectional specification for RF coaxial connectors with push on mating - Characteristic impedance 50 - (type SMP3), 03/22/2024

46/992/FDIS, IEC 62153-4-15/AMD1 ED2: Amendment 1 - Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) related test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell, 03/22/2024

46/991/FDIS, IEC 62153-4-3/AMD1 ED2: Amendment 1 - Metallic communication cable test methods - Part 4-3: Electromagnetic compatibility (EMC) related test method for measuring surface transfer impedance - Triaxial method, 03/22/2024

46/990/FDIS, IEC 62153-4-9/AMD2 ED2: Amendment 2 - Metallic communication cable test methods - Part 4-9: Electromagnetic compatibility (EMC) related test method for measuring coupling attenuation of screened balanced cables - Triaxial method, 03/22/2024

Capacitors and resistors for electronic equipment (TC 40)

40/3119/FDIS, IEC 60384-21 ED4: Fixed capacitors for use in electronic equipment - Part 21: Sectional specification - Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1, 03/22/2024

40/3120/FDIS, IEC 60384-22 ED4: Fixed capacitors for use in electronic equipment - Part 22: Sectional specification - Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2, 03/22/2024

Documentation and graphical symbols (TC 3)

3/1652/NP, PNW 3-1652 ED1: Industrial systems, installations and equipment and industrial products -- Structuring principles and reference designation -- Part 20: Aircraft systems, 05/03/2024

Electric cables (TC 20)

20/2148/CDV, IEC 60332-1-2 ED2: Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame, 05/03/2024

Electric traction equipment (TC 9)

9/3043/CDV, IEC 62590-1 ED1: Railway applications - Electronic power converters for fixed installations - Part 1: General requirements, 05/03/2024

Electrical equipment in medical practice (TC 62)

62C/905/CDV, IEC 60601-2-64/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-64: Particular requirements for the basic safety and essential performance of light ion beam medical electrical equipment, 05/03/2024

Electrical installations of buildings (TC 64)

64/2651/CDV, IEC 60364-1 ED6: Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions, 04/05/2024

Electromagnetic compatibility (TC 77)

77B/884/CDV, IEC 61000-4-41 ED1: Electromagnetic compatibility (EMC) - Part 4-41: Testing and measurement techniques - Broadband radiated immunity tests, 05/03/2024

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

104/1039/CDV, IEC 60068-3-11 ED2: Environmental testing - Part 3-11: Supporting documentation and guidance - Calculation of uncertainty of conditions in climatic test chambers, 05/03/2024

104/1044/NP, PNW TS 104-1044 ED1: Classification of environmental conditions - Part 4-4: Guidance for the correlation and transformation of environmental condition classes of IEC 60721-3 to the environmental tests of IEC 60068 - Stationary use at non-weatherprotected locations, 04/05/2024

Fibre optics (TC 86)

86A/2437/CD, IEC 60794-1-117 ED1: Optical fibre cables - Part 1-117: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Bending stiffness, Method E17, 04/05/2024

86A/2411/CDV, IEC 60794-1-216 ED1: Optical fibre cables - Part 1-216: Generic specification - Basic optical cable test procedures - Environmental test methods - Compound flow (drip), Method F16, 05/03/2024

86A/2431/FDIS, IEC 60794-2-20 ED4: Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical cables, 03/22/2024

86B/4865(F)/FDIS, IEC 61300-1/AMD1 ED5: Amendment 1 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance, 03/08/2024

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

86B/4853/CDV, IEC 62074-1 ED3: Fibre optic interconnecting devices and passive components - Fibre optic WDM devices - Part 1: Generic specification, 05/03/2024

86C/1913/DTR, IEC TR 61282-14 ED3: Fibre optic communication system design guidelines - Part 14: Determination of the uncertainties of attenuation measurements in fibre plants, 04/05/2024

Flat Panel Display Devices (TC 110)

110/1618/CD, IEC TR 63340-4 ED1: Electronic displays for special applications - Part 4: Public information and signage, 04/05/2024

Fluids for electrotechnical applications (TC 10)

10/1215/FDIS, IEC 62770 ED2: Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment, 03/22/2024

Fuel Cell Technologies (TC 105)

105/1021/CDV, IEC 62282-7-2 ED2: Fuel cell technologies - Part 7-2: Test methods - Single cell and stack performance tests for solid oxide fuel cells (SOFCs), 05/03/2024

Industrial electroheating equipment (TC 27)

27/1182/FDIS, IEC/IEEE 62395-1 ED1: Electrical resistance trace heating systems for industrial and commercial applications - Part 1: General and testing requirements, 03/22/2024

27/1183/FDIS, IEC/IEEE 62395-2 ED1: Electrical resistance trace heating systems for industrial and commercial applications - Part 2: Application guide for system design, installation and maintenance, 03/22/2024

Industrial-process measurement and control (TC 65)

65A/1108/CDV, IEC 61512-1 ED2: Batch control - Part 1: Models and terminology, 05/03/2024

65E/1074/CD, IEC 61987-100 ED1: Industrial-process measurement and control - Data structures and elements, 04/05/2024

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

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

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

65E/1073/CD, IEC 63082-1 ED1: Intelligent Device Management - Part 1: Concepts and Terminology, 04/05/2024

Instrument transformers (TC 38)

38/786/CDV, IEC 61869-20: Safety requirements of Instrument Transformers for High Voltage applications, 05/03/2024

38/788/FDIS, IEC/IEEE 63253-5713-8 ED1: Station Service Voltage Transformers (SSVT), 03/22/2024

Insulators (TC 36)

36/596/DTR, IEC TR 62730/AMD1 ED1: HV polymeric insulators for indoor and outdoor use tracking and erosion testing by wheel test and 5 000h test, 04/05/2024

Measuring equipment for electromagnetic quantities (TC 85)

85/911/CD, IEC 63297 ED1: Sensing devices for non-intrusive load monitoring (NILM) systems, 05/03/2024

Performance of household electrical appliances (TC 59)

59F/485/CDV, IEC 60704-2-20 ED1: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-20: Particular requirements for wet hard floor cleaning appliances, 05/03/2024

59D/510/CD, IEC 60704-2-4 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and spin extractors, 05/03/2024

59F/488/CD, IEC 62885-2 ED3: Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance, 05/03/2024

Power system control and associated communications (TC 57)

57/2639/CDV, IEC 62351-7 ED2: Power systems management and associated information exchange - Data and communications security - Part 7: Network and System Management (NSM) data object models, 05/03/2024

Rotating machinery (TC 2)

2/2175/CDV, IEC 60413 ED2: Test procedures for determining physical properties of brush materials for electrical machines, 05/03/2024

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

116/723/CDV, IEC 62841-2-10/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-10: Particular requirements for hand-held mixers, 05/03/2024

116/724/CDV, IEC 62841-2-14/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-14: Particular requirements for hand-held planers, 05/03/2024

116/725/CDV, IEC 62841-2-17/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-17: Particular requirements for hand-held routers, 05/03/2024

116/726/CDV, IEC 62841-2-21/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-21: Particular requirements for hand-held drain cleaners, 05/03/2024

116/727/CDV, IEC 62841-2-4/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type, 05/03/2024

116/728/CDV, IEC 62841-2-5/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-5: Particular requirements for hand-held circular saws, 05/03/2024

116/729/CDV, IEC 62841-2-8/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-8: Particular requirements for hand-held shears and nibblers, 05/03/2024

116/730/CDV, IEC 62841-2-9/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-9: Particular requirements for hand-held tappers and threaders, 05/03/2024

Safety of household and similar electrical appliances (TC 61)

61/7131/NP, PNW TS 61-7131 ED1: Evaluation methods for protection against risk of fire in electric tumble dryers, 04/05/2024

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

66/818/CD, IEC 61010-1/AMD2 ED3: Amendment 2 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements, 05/03/2024

Semiconductor devices (TC 47)

47D/963/NP, PNW 47D-963 ED1: Required Specification Of Package Substrates For Advanced Semiconductor Packaging - Part 1: Current-Induced Quality Test Method for Package Substrate, 05/03/2024

Solar photovoltaic energy systems (TC 82)

82/2222/NP, PNW TS 82-2222 ED1: Photovoltaic devices - Part 1-3: Measurement of current-voltage characteristics of curved photovoltaic (PV) devices, 04/05/2024

Superconductivity (TC 90)

90/515/FDIS, IEC 61788-23 ED3: Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade Nb superconductors, 03/22/2024

(TC 125)

125/92(F)/FDIS, IEC 63281-3-1 ED1: E-Transporters - Part 3-1: Performance test method for total run time of e-scooters with consideration to environmental conditions of actual use, 03/08/2024

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC25/3215/NP, PNW JTC1-SC25-3215 ED1: Information technology - Home Electronic System (HES) - Communication messages for safe product operation, 05/03/2024

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

Air quality (TC 146)

ISO 19694-7:2024, Stationary source emissions - Determination of greenhouse gas emissions in energy-intensive industries - Part 7: Semiconductor and display industries, $210.00

Aircraft and space vehicles (TC 20)

ISO 26900:2024, Space data and information transfer systems - Orbit data messages, $263.00

Building environment design (TC 205)

ISO 22185-2:2024, Diagnosing moisture damage in buildings and implementing countermeasures - Part 2: Assessment of conditions, $116.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO 18183-2:2024, Geometrical product specifications (GPS) - Partition - Part 2: Nominal model, $51.00

ISO 18183-3:2024, Geometrical product specifications (GPS) - Partition - Part 3: Methods used for specification and verification, $157.00

Health Informatics (TC 215)

ISO 21549-7:2024, Health informatics - Patient healthcard data - Part 7: Medication data, $210.00

Implants for surgery (TC 150)

ISO 12417-1:2024, Cardiovascular implants and extracorporeal systems - Vascular device-drug combination products - Part 1: General requirements, $210.00

Industrial automation systems and integration (TC 184)

ISO 10303-2:2024, Industrial automation systems and integration - Product data representation and exchange - Part 2: Vocabulary, $263.00

Microbeam analysis (TC 202)

ISO 5820:2024, Microbeam analysis - Hyper-dimensional data file specification (HMSA), $237.00

ISO 24173:2024, Microbeam analysis - Guidelines for orientation measurement using electron backscatter diffraction, $210.00

Optics and optical instruments (TC 172)

ISO 7921:2024, Ophthalmic optics and instruments - Near reading charts, $77.00

ISO 10109:2024, Optics and photonics - Guidance for the selection of environmental tests, $157.00

ISO 9211-1:2024, Optics and photonics - Optical coatings - Part 1: Vocabulary, $157.00

ISO 9211-2:2024, Optics and photonics - Optical coatings - Part 2: Optical properties, $116.00

ISO 9211-3:2024, Optics and photonics - Optical coatings - Part 3: Environmental durability, $116.00

Petroleum products and lubricants (TC 28)

ISO 7745:2024, Hydraulic fluid power - Fire-resistant fluids - Requirements and guidelines for use, $157.00

Pigments, dyestuffs and extenders (TC 256)

ISO 3549:2024, Zinc dust pigments for paints - Specifications and test methods, $157.00

Rare earth (TC 298)

ISO 24544:2024, Rare earth - Recyclable Neodymium iron boron (NdFeB) resources - Classification, general requirements and acceptance conditions, $77.00

Road vehicles (TC 22)

ISO 34504:2024, Road vehicles - Test scenarios for automated driving systems - Scenario categorization, $237.00

Ships and marine technology (TC 8)

ISO 19848:2024, Ships and marine technology - Standard data for shipboard machinery and equipment, $263.00

Sustainable development in communities (TC 268)

ISO 37174:2024, Smart community infrastructures - Disaster risk reduction - Guidance for implementing seismometer systems, $116.00

Textiles (TC 38)

ISO 105-C12:2024, Textiles - Tests for colour fastness - Part C12: Colour fastness to industrial laundering, $77.00

ISO 7249:2024, Textiles - Fibres - Determination of burning behaviour by oxygen index, $116.00

Timber (TC 218)

ISO 13061-13:2024, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 13: Determination of radial and tangential shrinkage, $51.00

ISO 13061-14:2024, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 14: Determination of volumetric shrinkage, $51.00

Traditional Chinese medicine (TC 249)

ISO 9319:2024, Traditional Chinese medicine - Poria cocos sclerotium, $116.00

ISO Technical Reports

Paints and varnishes (TC 35)

ISO/TR 5604:2024, Electrochemical noise measurement for assessing the protection of metal afforded by organic coatings, $116.00

ISO/IEC Guides

Other

ISO/IEC Guide 98-1:2024, Guide to the expression of uncertainty in measurement - Part 1: Introduction, $116.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 30107-4:2024, Information technology - Biometric presentation attack detection - Part 4: Profile for testing of mobile devices, $116.00

IEC Standards

Capacitors and resistors for electronic equipment (TC 40)

IEC 60939-3 Ed. 2.0 b:2024, Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate, $417.00

S+ IEC 60939-3 Ed. 2.0 en:2024 (Redline version), Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate, $743.00

Electric cables (TC 20)

IEC 60227-4 Ed. 3.0 en:2024, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 4: Sheathed cables for fixed wiring, $95.00

Lamps and related equipment (TC 34)

IEC 63403-1 Ed. 1.0 b:2024, Horticultural lighting - LED packages for horticultural lighting - Part 1: Specification sheet, $95.00

IEC 63403-2 Ed. 1.0 b:2024, Horticultural lighting - LED packages for horticultural lighting - Part 2: Binning, $25.00

Power system control and associated communications (TC 57)

IEC 61970-457 Ed. 2.0 b:2024, Energy management system application program interface (EMS-API) - Part 457: Dynamics profile, $512.00

Safety of household and similar electrical appliances (TC 61)

IEC 60335-2-120 Ed. 1.0 b:2024, Household and similar electrical appliances - Safety - Part 2-120: Particular requirements for the safety of appliances for the generation of directly inhalable aerosols, $145.00

IEC 60335-2-120 Ed. 1.0 en:2024 EXV, Household and similar electrical appliances - Safety - Part 2-120: Particular requirements for the safety of appliances for the generation of directly inhalable aerosols, $958.00

(TC 125)

IEC 63281-2-1 Ed. 1.0 b:2024, E-Transporters - Part 2-1: Safety requirements and test methods for personal e-Transporters, $278.00

IEC Technical Reports

Power system control and associated communications (TC 57)

IEC/TR 61850-80-5 Ed. 1.0 en:2024, Communication networks and systems for power utility automation - Part 80-5: Guideline for mapping information between IEC 61850 and IEC 61158 -15, $329.00

IEC Technical Specifications

Ultrasonics (TC 87)

IEC/TS 63001 Ed. 2.0 en:2024, Measurement of cavitation noise in ultrasonic baths and ultrasonic reactors, $278.00

S+ IEC/TS 63001 Ed. 2.0 en:2024 (Redline version), Measurement of cavitation noise in ultrasonic baths and ultrasonic reactors, $581.00

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

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

Response Deadline: March 1, 2024

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

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

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

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

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

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

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

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum k
to ANSI/ASHRAE Standard 15-2022

First Public Review Draft

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

First Public Review (February 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).

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

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FOREWORD

This proposed addendum revises the title, purpose, and scope of the standard to resolve a discrepancy in terminology between the terms "refrigeration systems" and "refrigerating systems".

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 15-2022

Modify the Title as follows.

Title: Safety Standard for ~~Refrigeration~~ Refrigerating Systems

Modify Section 1 as follows.

1. PURPOSE

This standard specifies the minimum requirements for safe design, construction, installation, and operation of ~~refrigeration~~ *refrigerating systems*.

Modify Section 2 as follows.

2. SCOPE

2.1 This standard establishes safeguards for life, limb, health, and property and prescribes safety requirements.

2.2 This standard applies to

a. the design, construction, test, installation, operation, and inspection of mechanical and absorption ~~refrigeration~~ *refrigerating systems*, including *heat-pump* systems used in stationary applications;
b. modifications, including replacement of parts or components if they are not identical in function and capacity; and
c. substitutions of *refrigerants* having a different *refrigerant designation*.

2.3 This standard *shall not* apply to ~~refrigeration~~ *refrigerating systems* using ammonia (R-717) as the *refrigerant*.

Informative Note: See ANSI/IIAR 2 [1] for systems using ammonia (R-717).

2.4 This standard does not apply to residential ~~refrigeration~~ *refrigerating systems* serving only a single dwelling unit or sleeping unit complying with ASHRAE Standard 15.2 [2].

BSR/ASHRAE Addendum l
to ANSI/ASHRAE Standard 15-2022

First Public Review Draft

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

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

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FOREWORD

This proposed addendum revises Section 7.3.1 to clarify intent for determination of maximum refrigerant charge limits. This addendum is follow up to committee responses to interpretation requests IC-15-2022-1 and IC-15-2022-2 (available at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-interpretations/interpretations-to-standard-15-2022).

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 shown 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 l 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. […]

7.3.1 EDVC Calculation. The maximum charge permitted for an *effective dispersal volume shall* be calculated using Equation 7-3a or 7-3b, except for *refrigerating systems* covered by Section 7.3.1.1:

[…]

7.3.1.1 EDVC Calculation for High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers using Group A2L Refrigerants. The maximum charge permitted for an *effective dispersal volume shall* be calculated according to Section 7.6 for air conditioners, *heat pumps*, or dehumidifiers classified as a *high-probability system* and using Group A2L *refrigerants*.

[…]

BSR/ASHRAE Addendum m
to ANSI/ASHRAE Standard 15-2022

First Public Review Draft

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

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

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FOREWORD

This proposed addendum provides consistency on the use of relative molar mass throughout ASHRAE Standard 15. It further harmonizes with ASHRAE Standard 34 on the use of relative molar mass, and better defines the connection of several other defined terms within ASHRAE Standard 15 to ASHRAE Standard 34 (i.e., LFL, OEL, RCL).

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 m to Standard 15-2022

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

3. DEFINITONS

3.1 Defined Terms

[…]

****lower flammability limit (LFL):*** see ASHRAE Standard 34 [3].

[…]

****occupational exposure limit (OEL):*** see ASHRAE Standard 34 [3].

[…]

****refrigerant concentration limit (RCL):*** see ASHRAE Standard 34 [3].

[…]

****relative molar mass:*** see ASHRAE Standard 34 [3].

[…]

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

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.2.3.2.1 Natural Ventilation Opening for Group A1 *Refrigerants*. The minimum size of the opening for a Group A1 *refrigerant* (A_{vent}) *shall* be calculated by the following formula:

Note to Reviewers: Equations 7-1a [I-P] and 7-1b [SI] are deleted in their entirety and replaced as shown below.

$$A_{vent} = \frac{m_{rel} - m_{room}}{RCL \times 0.833} \times \sqrt{\frac{A}{g \times m_{room}} \times \frac{M_r}{M_r - M_a}} \quad \text{(7-1a [I-P])}$$

$$A_{vent} = \frac{m_{rel} - m_{room}}{RCL \times 208} \times \sqrt{\frac{A}{g \times m_{room}} \times \frac{M_r}{M_r - M_a}} \quad \text{(7-1b [SI])}$$

where

[…]

M_r = ~~relative molar mass~~*relative molar mass* of the *refrigerant*, dimensionless

[…]

~~29~~M_a = ~~relative molar mass~~*relative molar mass* of air, 29.0, dimensionless

Equations 7-1a and 7-1b are not applicable for *refrigerants* with a *relative molar mass* less than 42.

7.2.3.2.2 Natural Ventilation Opening for Group A2L, A2, or A3 *Refrigerants*. The minimum size of the opening for a Group A2L, A2, or A3 *refrigerant* (A_{vent}) *shall* be calculated using the following formula:

Note to Reviewers: Equations 7-2a [I-P] and 7-2b [SI] are deleted in their entirety and replaced as shown below.

$$A_{vent} = \frac{m_{rel} - m_{room}}{RCL \times 0.417} \times \sqrt{\frac{A}{g \times m_{room}} \times \frac{M_r}{M_r - M_a}} \quad \text{(7-1a [I-P])}$$

$$A_{vent} = \frac{m_{rel} - m_{room}}{RCL \times 104} \times \sqrt{\frac{A}{g \times m_{room}} \times \frac{M_r}{M_r - M_a}} \quad \text{(7-1b [SI])}$$

where

[…]

M_r = ~~relative molar mass~~*relative molar mass* of the *refrigerant*, dimensionless

[…]

~~29~~M_a = ~~relative molar mass~~*relative molar mass* of air, 29.0, dimensionless

Equations 7-2a and 7-2b are not applicable for *refrigerants* with a *relative molar mass* less than 42.

[…]

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

9. DESIGN AND CONSTRUCTION OF EQUIPMENT AND SYSTEMS

[…]

$$r_w = \frac{C_a}{C_r} = \sqrt{\frac{T_r}{T_a}}\sqrt{\frac{M_a}{M_r}} \quad \text{(9-4)}$$

$$C_r = 520\sqrt{k\left(\frac{2}{k+1}\right)^{k+1/k-1}} \quad \text{(9-5)}$$

where

C_a = 356, a dimensionless constant for air

T_r = the absolute dew-point temperature of refrigerant evaluated at a relieving pressure of 1.1 times the relief device set pressure, °R (K)

T_a = the absolute temperature of standard air, 520°R (289 K)

M_r = ~~the relative molar mass of the refrigerant in accordance with ASHRAE Standard 34~~ [3] *relative molar mass* of the *refrigerant*, dimensionless

M_a = ~~the relative molar mass of air, 28.97~~*relative molar mass* of air, 29.0, dimensionless

k = the ratio of specific heats (c_p/c_v) for saturated refrigerant vapor evaluated at a relieving pressure of 1.1 times the relief device set pressure

[…]

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

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

[…]

Section 3.1, "Defined Terms"

lower flammability limit (LFL): the definition of this term and values for individual *refrigerant designations* are taken directly from ASHRAE Standard 34 [3].

[…]

occupational exposure limit (OEL): the definition of this term and values for individual *refrigerant designations* are taken directly from ASHRAE Standard 34 [3].

refrigerant concentration limit (RCL): the definition of this term and values for individual *refrigerant designations* are taken directly from ASHRAE Standard 34 [3].

[…]

relative molar mass: the definition of this term and values for individual *refrigerant designations* are taken directly from ASHRAE Standard 34 [3].

[…]

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

INFORMATIVE APPENDIX B—INFORMATIVE REFERENCES

[…]

~~67. IUPAC. 2013. Atomic Weights of the Elements 2013 (IUPAC Technical Report). International Union of Pure and Applied Chemistry, Research Triangle Park, NC.~~

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

INFORMATIVE APPENDIX C—METHOD FOR CALCULATING DISCHARGE CAPACITY OF POSITIVE DISPLACEMENT COMPRESSOR PRESSURE RELIEF DEVICE

[…]

$$W_a = W_r \times r_w \quad \text{(C-2)}$$

$$r_w = \frac{C_a}{C_r}\sqrt{\frac{T_r}{T_a}}\sqrt{\frac{M_a}{M_r}} \quad \text{(C-3)}$$

where

r_w = *refrigerant*-to-standard-air-mass-flow conversion factor (see Table C-1)

M_a = ~~molar mass of air = 28.97~~ *relative molar mass* of air, 29.0, dimensionless

M_r = ~~molar mass of *refrigerant*~~ *relative molar mass* of the *refrigerant*, dimensionless (see Table C-1)

[…]

Table C-1 Constants for Calculating Discharge Capacity

Refrigerant	k[a]	***Relative Molar Mass*** ~~**Molar Mass**~~[b]	C_r	r_w
R-11	1.137	137.4	330.7	0.49
R-12	1.205	120.9	337.7	0.51
R-13	2.053	104.5	403.6	0.46
R-22	1.319	86.5	348.8	0.59
R-23	2.742	70.0	439.3	0.52
R-113	1.081	187.4	324.7	0.43
R-114	1.094	170.9	326.1	0.45
R-123	1.104	~~152.9~~153.0	327.1	0.47
R-134a	1.196	102.0	336.8	0.56
R-236fa	1.101	152.0	326.8	0.47
R-245fa	1.107	134.0	327.5	0.50
R-290	1.235	~~44.1~~44.0	340.8	0.84
R-404A	1.279	97.6	345.0	0.56
R-407C	1.270	86.2	344.1	0.59
R-410A	1.434	72.6	359.0	0.62
R-500	1.236	99.3	340.8	0.56
R-502	1.264	~~111.6~~112.0	343.6	0.52
R-507A	1.284	98.9	345.5	0.55
R-600	1.122	58.1	329.2	0.76
R-718	1.328	18.0	349.6	1.28
R-744	2.690	44.0	437.0	0.65

a. Source: NIST REFPROP, Standard Reference Database, v9.1, 2013 [66]

~~b. Source: IUPAC Atomic Weights, 2013 [67]~~

BSR/ASHRAE Addendum x
to ANSI/ASHRAE Standard 34-2022

Public Review Draft

Proposed Addendum x to Standard 34-2022, Designation and Safety Classification of Refrigerants

First Public Review (February 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).

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-490A to Tables 4-2 and D-2.

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 x to Standard 34-2022

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 490A
Composition (Mass %) = R-1150/1270 (7.9/92.1)
Composition tolerances = +2.0, –1.0/+1.0, –2.0
OEL = 430 ppm v/v
Safety Group = A3
RCL = 1000 ppm v/v; 0.1 lb/1000 ft^3; 1.7 g/m^3
LFL = 22,000 ppm v/v; 2.4 lb/1000 ft^3; 37 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 490A
Composition (Mass %) = R-1150/1270 (7.9/92.1)
Average Relative Molar Mass = 40.48 g/mol
Bubble Point (°F) = –88.4
Dew Point (°F) = –58.2
Bubble Point (°C) = –66.9
Dew Point (°C) = –50.1

BSR/ASHRAE Addendum y
to ANSI/ASHRAE Standard 34-2022

Public Review Draft

Proposed Addendum y to Standard 34-2022, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-491A to Tables 4-2 and D-2.

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 34-2022

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 491A
Composition (Mass %) = R-1132(E)/152a (35.0/65.0)
Composition tolerances = ±2.0/±2.0
OEL = 600 ppm v/v
Safety Group = A2
RCL = 12,000 ppm v/v; 2.0 lb/1000 ft^3; 30.8 g/m^3
LFL = 46,000 ppm v/v; 7.8 lb/1000 ft^3; 123 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 491A
Composition (Mass %) = R-1132(E)/152a (35.0/65.0)
Average Relative Molar Mass = 65.33 g/mol
Bubble Point (°F) = –39.3
Dew Point (°F) = –24.0
Bubble Point (°C) = –39.6
Dew Point (°C) = –31.1

BSR/ASHRAE Addendum z
to ANSI/ASHRAE Standard 34-2022

Public Review Draft

Proposed Addendum z to Standard 34-2022, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum revises Section 4, "Numbering of Refrigerants" to expand the logic of the ethane series to also include the ethene series. Normative references are also updated.

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 z to Standard 34-2022

Modify Section 4 as follows. The remainder of Section 4 remains unchanged.

4. NUMBERING OF REFRIGERANTS

[…]

4.1.9 In the case of isomers in the ethane and ethene series, each has the same number, with the most symmetrical one indicated by the number alone.

[…]

Modify Section 4 as follows. The remainder of Section 4 remains unchanged.

10. NUMBERING OF REFRIGERANTS

1. ICC. 2021~~2013~~. *International Fire Code* (IFC), Section 202. ~~Fairfax, VA~~Country Club Hills, IL: International Code Council Publications.

~~2. WFCA. 2000. *Uniform Fire Code* (UFC), Sections 209 and 221. Walnut Creek, CA: Western Fire Chiefs Association.~~

2. NFPA. 2024. NFPA 1, *Fire Code*. Sections 3.3.187.7 and 3.3.187.14. Quincy, MA: National Fire Protection Association.

[…]

18. ASHRAE. 2013. ANSI/ASHRAE Standard 15-2022~~2013~~, *Safety Standard for Refrigeration Systems*. ~~Atlanta:~~ Peachtree Corners, GA: ASHRAE.

[…]

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

Public Review Draft

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

(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

Healthcare facilities are unique in that they need to maintain normal operating targets while experiencing atypical conditions, such as temperature extremes beyond the typical ASHRAE 99.6% heating condition, and being required to achieve quick temperature rises in some patient occupied rooms. Heating hot water is a typical medium utilized for this management of these operational targets. The target value of 130°F (54°C) is selected to find the balance between performance of efficient heat generation equipment, such as Heat Recovery Chillers/ Heat Pumps, and reasonable heating coil sizes and pressure drops.

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Addendum h to Standard 189.3-2021

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

7.4.3.12 Heating Hot Water Supply Temperature. Heating hot water coils shall meet the heating capacity at design conditions with a maximum entering water temperature of 130°F (54°C).

Exception to 7.4.3.12: Existing heating hot water coils.

Informative Note: Maximum entering water temperature may be temporarily increased above 130°F (54°C) during extreme temperature conditions that are colder than ASHRAE 99.6% heating design conditions.

BSR/ASHRAE/IES Addendum j
to ANSI/ASHRAE/IES Standard 90.2-2018

Public Review Draft

Proposed Addendum j to Standard 90.2-2018, High-Performance Energy Design of Residential Buildings

Third Public Review (February 2024)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at 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 proposal includes three modifications to the current Standard. First, it allows for the use of offsite power, owned by the building owner, to be counted toward the ERI score. Second, it includes requirements for energy storage when on-site or off-site power are being used to meet the ERI score. Third, it lowers the ERI and CRI requirements when using on-site or off-site power while establishing an efficiency backstop. This new language expands access to renewable power systems when on-site power is not possible. It also ensures that the building incorporating the renewable power is best able to capture the benefits from it.

ERI scores were based on an analysis conducted by PNNL where 4 kW of solar PV were installed on reference housing in each climate zones. CRI scores were lowered by 10 points where renewable power systems are utilized based on the additional carbon free energy and the required energy storage provisions. Both ERI and CRI were separately validated for accuracy and determined to be achievable in each climate zone. Energy storage factors were taken from a 2021 analysis by the U.S. Energy Information Administration (EIA) that found that utility-scale batteries and pumped storage generally return about 80% of the electricity they store. A distance loss factor of 0.0008 was taken from a 2015 Oak Ridge National Laboratory study (ORNL/TM-2015/5) which found that a 345 kV utility line loses 160 MW per 100 miles for 2000 MW transmitted.

This proposal is motivated by the desire of both ASHRAE as an institution and SSPC 90.2, as well as numerous other stakeholders, to approach net zero energy and carbon within the 5 year publication schedule for ASHRAE 90.2. An approach to net zero clearly depends on incorporating more renewable energy into the requirements, and this goal may not be practical with on-site generation alone in many cases. Two examples are where the site is constrained by offsite shading or is small in comparison to the floor area of the building, such as for a 40-story condominium building in a large downtown

The provisions in this Addendum are needed to support a move to encourage renewables more strongly in the Standard. The 2018 version assumed some modest amount of renewable energy in developing the ERI requirements, but the targets are feasible to achieve with efficiency alone, and are required to do so in this Addendum. But the lower ERI and CRI requirements all but require some renewables, and evidently the net zero goals cannot be met by efficiency alone.

We noted in developing this Addendum that the goal of an adoptable net zero standard requires these considerations. On the other hand, we observe, and seek comment on the observation, that a net zero Appendix can be extremely simple when the rules in this Addendum are added to the normative portion of the standard: the net zero requirements are simply to meet the rest of the standard and achieve ERI or CRI ratings of Zero.

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Addendum j to 90.2-2018

Modify the standard as follows

off-site power production: energy that is legally bound to a dwelling unit owner that is generated by one of the following entities:

a. *Community Renewable Energy Facility*,
b. a *Renewable Energy Investment Fund*, or
c. an off-site *renewable energy system* owned by the dwelling unit owner.
d. *Financial renewable power purchase agreement*
e. *Physical renewable power purchase agreement*
f. Utility green power purchase program

renewable energy power purchase agreement (PPA), financial: a financial arrangement between a renewable electricity generator and a purchaser wherein the purchaser pays or guarantees a price to the generator for the project's renewable generation. Also known as a "financial power purchase agreement" and "virtual power purchase agreement."

renewable energy power purchase agreement (PPA), physical: a contract for the purchase of renewable electricity from a specific renewable electricity generator to a purchaser of renewable electricity.

6. PERFORMANCE REQUIREMENTS

…

6.3 Off-Site Power Utilization When *off-site power production* is used, ERI shall be calculated in accordance with BSR/RESNET/ICC 301 with the OPP in Equation 4.1.2 of BSR/RESNET/ICC 301 replaced with OPP_{Adj} as calculated in accordance with Equation 6-1. O*ff-site power production* shall meet the requirements of Section ~~6.3.1~~ 8.7. *RECs* generated in conjunction with off-site power shall be retired on behalf of the dwelling unit owner.

$$OPP_{adj} = OPP + \sum_i^n RE_i \cdot PF_i \qquad (6\text{-}1)$$

OPP_{Adj} On-Site and Off-site power
OPP Electric power produced on the site of a Rated Home as defined in RESNET/ICC 301
RE_i Annual energy procured with the ith procurement method
PF_i Procurement factor for i th procurement method as determined in 6-2

$$PF_i = \frac{1}{\eta_{stor} \cdot \eta_{trans} \cdot (1 - (d_{dist} \cdot d_{loss}))} \qquad PF_i = \eta_{stor} * \eta_{trans} * (1 - (d_{dist} * d_{loss})) \qquad (6\text{-}2)$$

Where:

η_{stor} Round trip efficiency of off-site energy storage.
η_{trans} Efficiency of all transformers between where the electricity is produced and site being evaluated
d_{dist} distance between where the electricity is produced and site being evaluated. Measured in the most direct way possible (miles)
d_{loss} Energy lost per distance (kW/mile)

Table 6-2 Procurement Factor Coefficients

term	Value
η_{stor}	0.80
η_{trans}	0.95
d_{loss}	0.0008 kW/mile

8.7 Renewable Energy Systems and Energy Storage Verification. When on-site power production, off-site power production or energy storage is used for compliance, the following shall be verified:

a. All minimum requirements of Section 6.3.
b. The on-site power production system and/or energy storage system is installed in accordance with the configuration and performance characteristics modeled in the proposed design.
c. A report is available for the off-site power production system and energy storage system demonstrating that it is operational, has the stated capacity installed, and has the stated energy storage system capacity installed (if applicable).
d. Documentation that shall demonstrate that not less than 15 years of annual renewable energy production capacity and energy storage capacity used to comply with this standard is legally bound to the dwelling unit owner and is structured to survive a full or partial transfer of ownership of the dwelling unit.
e. Documentation that shall demonstrate that not less than 15 years of annual renewable energy production capacity and energy storage capacity used to comply with this standard is legally bound to the dwelling unit

BSR/ASHRAE/IES Addendum u
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum u to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

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

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FOREWORD

This addendum address issues that have been reported with the minimum 50% turndown airflow defined in section 6.5.3.2 b which states the following;

6.5.3.2 b. All other units, including DX cooling units and chilled-water units that control the space temperature by modulating the airflow to the space, shall have modulating fan control. Minimum speed shall not exceed 50% of full speed. At minimum speed, the fan system shall draw no more than 30% of the power at full fan speed. Low or minimum speed shall be used during periods of low cooling load and ventilation-only operation.

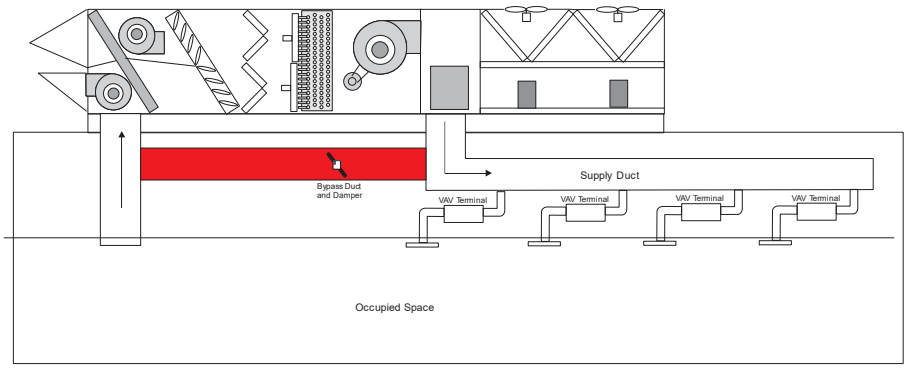
With the addition of occupied standby control as defined in 6.5.3.9 there have been issues reported with VAV systems that control space temperature by modulating airflow to the space (Multi-zone VAV). The current minimum airflow requirements defined in 6.5.3.2 require a minimum turndown fan speed of 50%. The 50% is are not acceptable for periods where the building occupancy is low and ventilation airflow and the required building airflow is significantly lower than the minimum 50% minimum requirement. The 50% is well above the minimum design ventilation rates for typical buildings that use Multi-zone VAV and with occupied standby the ventilation rates can be even lower when operating in ventilation only mode.. The following table shows minimum design ventilation rates for typical multi-zone VAV building applications.

Minimum ASHRAE 62.1 Design Ventilations Rates

Building Type	Average Design Ventilation Rate
Small Office	11.7%
Medium Office	19.2%
Large Office	19.9%
Outpatient	24.8%
Hospital	23.2%
Primary School	50.7%
Secondary School	54.4%

* Values based on ASHRAE 90.1 reference building models

This systems with only a minimum 50% airflow turndown rate can result in cycling of equipment and poor control of the building VAV system and in some cases tripping of unit's safety devices. To solve this problem, some applications have been forced to add a bypass duct as shown in the figure to allow air to recirculate and to keep the unit from tripping on safeties, but this increases annualized fan power and product installation costs.

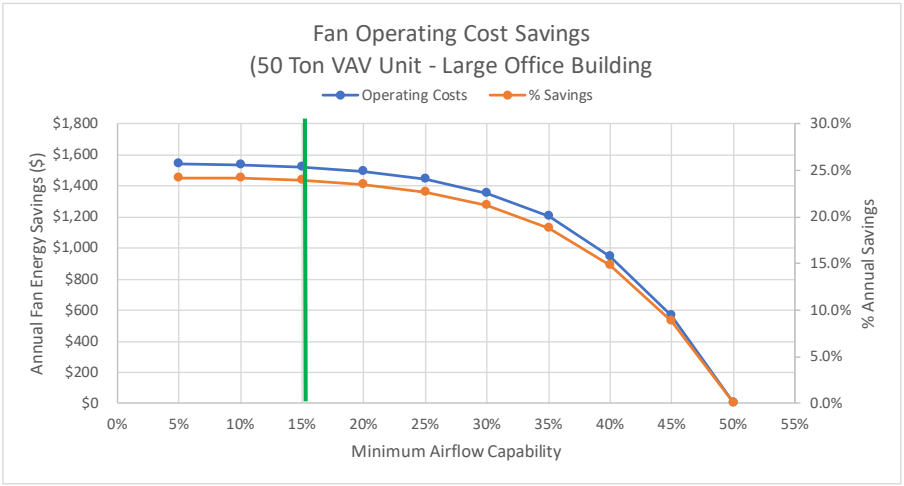


Multi-zone VAV systems today are equipped with inverter fan speed control and are capable of much lower speeds and turndown than the 50%. This addendum proposes to reduce the minimum airflow for Multi-zone VAV systems where the space temperature is controlled by modulating airflow from 50% to 15%. Also the current power reduction requirement of 30% at 50% airflow is much higher than what is delivered by variable speed inverter driver fan systems. Based on this the fan system power requirements will be changed from 30% at 50% airflow to 16% at 15% airflow.

Note that this change only applies to **multi-zone VAV** and does not apply to single-zone VAV that control that control the capacity of the mechanical cooling directly based on space temperature.

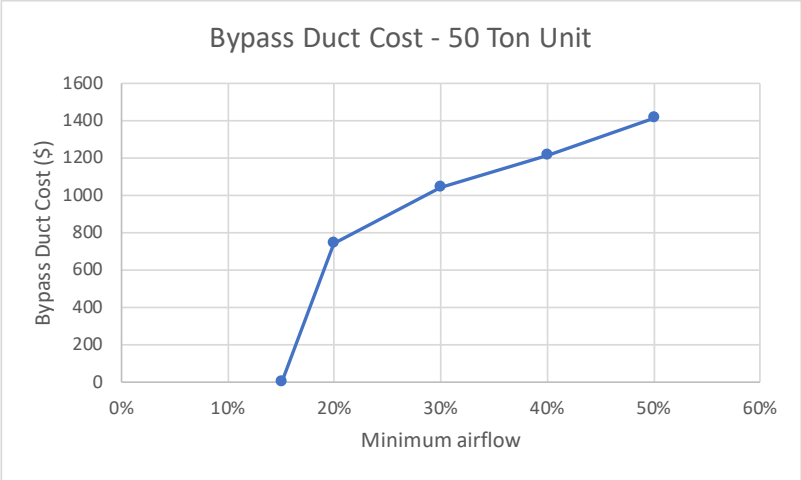
We did a check of capabilities of variable speed drives and ECM motors and confirmed that the 15% minimum turndown is not a problem and can be done. Some qualification may be required for minimum airflow sensors and to insure compressor capacity control will function. Keep in mind this condition occurs at lower loads and ambient and often the unit is operating in integrated or economizer only operation or just ventilations. Compressor cycle will likely occur, but units should be checked for operation without tripping. Also the units should be also using supply air temperature reset control per section 6.5.3.5 and VAV setpoint reset per 6.5.3.2.3 which can help with required building turndown requirements.

Most multi-zone VAV units being sold today are capable of much lower turndown rates. Lower turndown rates will result in significant fan saving vs a unit that uses a bypass duct to meet the required minimum building airflow deliver rates. The following curve shows the annual fan energy savings relative to a unit that only turns down to 50% airflow for a typical 50 Ton Multi-zone VAV unit applied to the large office building. The curve is the average of a detailed study of all 19 climate zones. As you can see the fan energy is reduced 24% relative to the current required minimum turndown of 50%



It is likely that there will not be any cost impact on a properly designed true multi-zone but some are taking single zone VAV systems and trying to apply with full VAV using hot gas bypass and limited airflow modulation that a true multizone VAV system requires and are forced in the field to use bypass ducts. Considering the cost of increases for use of the bypass duct there is actual a cost reduction at the system level by elimination of a bypass duct to allow for proper

system operation. The following curve shows an estimate of the cost for the bypass duct and controls for the a 50 ton unit as a function of the minimum turndown.



Also for limited VAV turn down there is significant energy savings for fans systems that can turn down below the current 50% requirement.

Some added cost may be needed for units that have very limited capacity control meeting the minimum requirements of table 6.5.1.3 but this should easily be covered by the significant fan energy savings and elimination of the bypass duct.

Considering the significant energy savings and the potential elimination of the bypass duct this change essential has less than a zero payback period and even if some units have to add some cost for fan turndown that proposed change is easily cost justified.

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Addendum u to 90.1-2022

Make the following changes to 6.5.3.2.1 Supply Fan Airflow Control for both IP and SI

6.5.3.2 Fan Control
6.5.3.2.1 Supply Fan Airflow Control. Each cooling *system* listed in Table 6.5.3.2.1 shall be designed to vary the supply fan airflow as a function of load and shall comply with the following requirements:

a. Single-zone *VAV* DX and chilled-water cooling units that *control* the capacity of the *mechanical cooling* directly based on *space* temperature shall have a minimum of two stages of fan control. Low or minimum ~~speed~~ airflow shall not exceed 66% of ~~full speed~~ design airflow. At low or minimum ~~speed~~ airflow, the fan *system* shall draw no more than 40% of the fan power at ~~full fan speed~~ design airflow. Low or minimum ~~speed~~ airflow shall be used during periods of low cooling load and *ventilation*-only operation.

b. All other units, including multiple-zone *VAV* DX cooling units and chilled-water units that *control* the *space* temperature by modulating the airflow to the *space*, shall have modulating fan control. Minimum ~~speed~~supply fan airflow shall not exceed ~~50%~~ 15% of design airflow ~~full speed~~. ~~At minimum speed, the fan system shall draw no more than 30% of the power at full fan speed.~~ Low or minimum ~~speed~~ airflow shall be used during periods of low cooling

load and *ventilation*-only operation. *Mechanical cooling,* economizer, and ventilation shall operate at not less than 15% design airflow.

c. Units that include an air economizer to meet the requirements of Section 6.5.1 shall have a minimum of two speeds of fan control during economizer operation.

Exceptions to 6.5.3.2.1:

1. Modulating fan control is not required for chilled-water and evaporative cooling units with <1 hp (0.75 kW) fan motors if the units are not used to provide ventilation air and if the indoor fan cycles with the load.

2. If the volume of *outdoor air* required to meet the *ventilation* requirements of Standard 62.1 at low ~~speed~~ airflow exceeds the air that would be delivered at the ~~speed~~ airflow defined in Section 6.5.3.2.1(a) or 6.5.3.2.1(b) then the minimum ~~speed~~ airflow shall be selected to provide the required *ventilation* air.

BSR/ASHRAE/IES Addendum x
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum x to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

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

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FOREWORD

This addendum addresses the requirement for isolation zones in Section 6.4.3.3.4. It adds an exception to the requirement where ANSI/ASHRAE/ASHE Standard 170-2021 - Ventilation of Health Care Facilities or other standards require continuous airflow to maintain space pressure differential requirements.

There is no change in the cost of construction.

Addendum x to 90.1-2022

Modify the standard as follows (IP and SI Units)

6.4.3.3.4 Zone Isolation. *HVAC systems* serving zones that are intended to operate or be occupied ~~nonsimultaneously~~ non-simultaneously shall be divided into isolation areas. Zones may be grouped into a single isolation area provided it does not exceed 25,000 ft^2 of *conditioned floor area* nor include more than one *story*. Each isolation area shall be equipped with *isolation devices* capable of and configured to *automatically* shut off the supply of conditioned air and *outdoor air* to and exhaust air from the area. Each isolation area shall be controlled independently by a device meeting the requirements of Sections 6.4.3.3.1. For central *systems* and plants, controls and devices shall be provided to allow stable *system* and *equipment* operation for any length of time while serving only the smallest zone group served by the *system* or plant.

Exceptions to 6.4.3.3.4: *Isolation devices* and controls are not required for

1. exhaust air and *outdoor air* connections to isolation zones when the fan *system* to which they connect is 5000 cfm and smaller;
2. exhaust airflow from a single isolation zone of less than 10% of the design airflow of the exhaust *system* to which it connects; ~~or~~
3. zones intended to operate continuously or intended to be inoperative only when all other zones are inoperative~~.~~; or
4. for spaces where the use of isolation is prohibited by local codes, accreditation standards, or ASHRAE 170.

Informative Note: ASHRAE Guideline 36 includes detailed sequences of control for zone isolation using logical groups of zone air *terminal* units serving each isolation area.

BSR/ASHRAE/IES Addendum z
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum z to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

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

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FOREWORD

This addendum addresses the following;

- *An omitted exception in 9.2.2.2 which was identified in a recent official interpretation*
- *Moving the exception from the text into Table 9.5.2.2 so that its placement does not confuse users of the standard.*

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (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 z to 90.1-2022

9.2 Prescriptive Requirements

9.2.2.1 **Interior Lighting Power Allowance.** The *interior lighting power allowance* for a *building* or a separately metered or permitted portion of a *building* shall be determined by either Simplified Building Method described in Section 9.3, the Building Area Method described in Section 9.5.1, or the Space-by-Space Method described in Section 9.5.2.

Trade-offs of *interior lighting power allowance* among portions of the *building* for which a different calculation method has been used for compliance are not permitted.

Exception to 9.2.2.1: When using the compliance methods in Section 9.5.1 or 9.5.2 only, the lighting *equipment* and applications listed in Table 9.2.2.1 shall not be considered when determining the *interior lighting power allowance* developed in accordance with Section 9.5.1 or 9.5.2, nor shall the watt- age for such lighting be included in the *installed interior lighting power* identified in accordance with Section 9.1.3. This exemption shall only apply ~~when~~ <u>where</u> the lighting and controls are in compliance with the requirements of Table 9.2.2.1. Lighting controls noted in this table are the only required controls for this *equipment* and these applications.

9.2.2.2 **Exterior Lighting Power Allowance.** The *exterior lighting power allowance* shall be determined by<u>:</u>

a. Section 9.3.2, "Simplified Building Method of Calculating Exterior Lighting Power Allowance," when using Section 9.3 to determine the *interior lighting power allowance*, or

b. Section 9.5.3, "Exterior Lighting Power."

<u>**Exception to 9.2.2.2:** When using the compliance methods in Section 9.3 or 9.5.3 only, the lighting *equipment* and applications listed in Table 9.2.2.2 shall not be considered when determining the</u>

exterior lighting power allowance developed in accordance with Section 9.3 or 9.5.3, nor shall the wattage for such lighting be included in the *installed exterior lighting power* identified in accordance with Section 9.1.3. This exemption shall only apply where the lighting and controls are in compliance with the requirements of Table 9.2.2.2. Lighting controls noted in this table are the only required controls for this *equipment* and these applications.

[…]

9.5.2.2 Additional Interior Lighting Power. When using the Space-by-Space Method, an increase in the *interior lighting power allowance* is allowed for specific lighting functions. Additional power shall be allowed only if the specified lighting is installed and controlled independently of the *general lighting* in accordance with Table 9.5.2.2. This additional power shall be used only for the specified *luminaires* and shall not be used for any other purpose unless otherwise indicated. Lighting control requirements referenced in Section 9.5.2.2 are the only required controls for these applications.

[…]

~~**Exception to 9.5.2.2:** Other merchandise categories may be included in Retail Areas 2 through 4 above, provided that justification documenting the need for additional lighting power based on visual inspection, contrast, or other critical display is approved by the *authority having jurisdiction*.~~

[…]

Table 9.5.2.2 Additional Lighting Power

Section	Description	Additional Lighting Power	Required Controls
		[…]	
9.5.2.2(b)	Retail sales[a]	750 W + (Retail Area 1 × 0.40 W/ft^2) + (Retail Area 2 × 0.40 W/ft^2) + (Retail Area 3 × 0.70 W/ft^2) + (Retail Area 4 × 1.00 W/ft^2)	Section 9.4.1.1(j)
		[…]	

[…]

(Add footnote a to Table 9.5.2.2 as follows:)

a. Other merchandise categories are permitted to be included in Retail Areas 2 through 4, provided that documentation of the need for additional lighting power based on visual inspection, contrast, or other critical display is approved by the *authority having jurisdiction*.

~~**Exception to 9.5.2.2:** Other merchandise categories may be included in Retail Areas 2 through 4 above, provided that justification documenting the need for additional lighting power based on visual inspection, contrast, or other critical display is approved by the *authority having jurisdiction*.~~

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

NSF/ANSI 42:

Drinking Water Treatment Units – Aesthetic Effects

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7 Elective performance claims – Test methods

7.1 General requirements

7.1.1 Health effects claims

Claims for reduction of health effects contaminants (biological, chemical, physical, or radiological) shall not be verified under this standard. Such claims shall be tested for conformance to NSF/ANSI 53.

7.1.2 Apparatus

A test apparatus capable of providing specified flow rates and static pressures shall be used. Refer to Figure 2 for an example diagram.

7.1.3 Optional Sampling

A manufacturer may elect to take additional sample points at any percentage of the estimated capacity.

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7.3 Chemical reduction testing

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7.3.2 Chloramine reduction testing

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7.3.2.8 Sampling

7.3.2.8.1 Point of use systems rated ≤ 1gpm (including nonplumbed pour through and batch systems)

Collection of the influent challenge and product water samples shall begin during the on portion of the cycle after one unit volume has passed through the test unit. Sampling shall occur after the passage of 10 unit volumes of the influent challenge and at ~~10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%,~~ 25%, 50%, 75%, and 100% of the estimated system capacity. The volume of water collected for each sample shall not exceed 1 L (0.26 gal) or four times the amount required for analysis, whichever is larger. If the on cycle ends before the necessary sample volume has been collected, the remaining sample volume shall be collected in the same manner during the next on cycle.

All sample points shall be taken after a minimum of 1 h of test operation. Manufacturers may elect to pause a test overnight and have the sample point taken after 1 h of test operation the following day if it would otherwise have been taken beyond 1.5 h of test operation. The 25%, 50%, and 75% points may be taken at ± 5% and the 100% point may be taken at +2/-0% of the estimated system capacity to help accommodate the minimum run time requirement.

~~When the below calculation is performed (using the product's estimated system capacity, manufacturer's rated service flow rate, and the on cycle) and is equal to or greater than 1,200 min, the sample points at 20% ± 5%, 40% ± 5%, 60% ± 5%, 80% ± 5%, and 100% +2/-0% of estimated system capacity shall be taken after~~

~~a minimum of 4 h of test operation. The sample point that establishes the system capacity shall be taken after a minimum of 4 h of test operation.~~

~~Calculation:~~

~~1,200 min ≤ *capacity* / (*on cycle* * *RSF*)~~

~~where:~~

~~*capacity* = estimated system capacity in liters (gallons)~~
~~*on cycle* = the percent ON of the on/off cycle expressed in decimal (e.g., 50% on = 0.50)~~
~~*RSF* = the manufacturer's stated rated service flow of the system in the same units as *capacity*, LPM (GPM)~~

Influent challenge water shall be sampled and analyzed for conformance with the pH requirements under Section 7.3.2.6.1 and chloramine reduction requirements under Table 7.2, a minimum of once for each batch of challenge water or every 3,785 L (1,000 gal).

7.3.2.8.2 Sampling for all other systems

Collection of the influent challenge and product water samples shall begin during the on portion of the cycle after one unit volume has passed through the test unit. Sampling shall occur after the passage of 10 unit volumes of the influent challenge and at 25%, 50%, 75%, and 100% of the estimated system capacity. The volume of water collected for each sample shall not exceed 1 L (0.26 gal) or four times the amount required for analysis, whichever is larger. If the on cycle ends before the necessary sample volume has been collected, the remaining sample volume shall be collected in the same manner during the next on cycle.

All sample points shall be taken after a minimum of 4 h of test operation. The 25%, 50%, and 75% points may be taken at ± 5% and the 100% point may be taken at +2%/-0% of the estimated system capacity to help accommodate the minimum run time requirement.

Influent challenge water shall be sampled and analyzed for conformance with the pH requirements under Section 7.3.2.6.1 and chloramine reduction requirements under Table 7.2, a minimum of once for each batch of challenge water or every 3,785 L (1,000 gal).

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Rationale: ***Two updates reflect real-life usage as efficiently as possible for both labs and manufacturers:***

- ***Changes to a 1 hour minimum run time for point of use systems rated ≤ 1gpm (including nonplumbed pour through and batch systems), which is consistent with the language passed in the operational cycles ballot (42i109r5).***
- ***Reduces the number of sample points to five (10uv, 25%, 50%, 75%, and 100%) to help reduce the complexities so points can be taken at the 1 hour run time.***

[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 Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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4 Audit requirements

4.1 Context of the organization

4.1.1 Manufacturers, packers, and distributors of cosmetic products that are in commercial distribution shall be registered with the regulatory agency in the country of manufacture or sale, if required by the relevant jurisdiction(s).

4.1.2 Where manufacturers, packers, and distributors of cosmetic products that are in commercial distribution are the responsibly party, those products shall be registered with the regulatory agency in the country of manufacture or sale, as required by the relevant jurisdiction(s).

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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 Standard
for GMP for Over-the-counter drugs –

Good Manufacturing Practices for Over-the-counter drugs

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4 Audit requirements

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4.4 Support

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4.4.32 Adequate ventilation, air filtration and airflow ~~is~~ are provided in all areas of the facility. [21 C.F.R. § ~~211.42~~ 211.46 ICH Q7 4.2, 4.4]

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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 Standard
for GMP for Over-the-counter drugs –

Good Manufacturing Practices for Over-the-counter drugs

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4 Audit requirements

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4.5 Operations

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4.5.11 Procedures and programs have been established for maintaining equipment. [21 C.F.R. § 211.67, 211.105(b)]

4.5.12 Manufacturing operations shall include the identification of all in process containers, process lines and major equipment used during manufacturing to indicate their contents and when necessary, the phase of manufacturing. [21 C.F.R. § 211.105(a)]

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4.5.35 The batch record follows the master record and each step is performed appropriately. [21 CFR § 211.188, 21 CFR § 211.105(b)]

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BSR/UL 62841-4-4, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws

1. Revision to remove guarding requirements for grass trimmers, brush cutters and brush saws.

PROPOSAL

19.101.4 Guard requirements

The **guards** specified in 19.101.1, 19.101.2 and 19.101.3 shall be

– imperforate in the area of the **guard** beyond 80% of the radius of the largest **cutting means** or **cutting accessory** that can be used with the **guard** in accordance with 8.14.2 a); and

– permanently attached or secured by screws, nuts or snap fits to prevent removal without the aid of a tool.

Compliance is checked by inspection and by measurement.

19.101.4DV D2 ***Modification: Replace Clause 19.101.4 of the Part 4 with the following:***

The guards specified in 19.101.1 and 19.101.2 shall be

– imperforate in the area of the guard beyond 80 % of the radius of the largest cutting means that can be used with the guard in accordance with 8.14.2 a); and

– permanently attached or secured by screws, nuts or snap fits to prevent removal without the aid of a tool.

The guard specified in 19.101.3 shall be permanently attached or secured by screws, nuts or snap fits to prevent removal without the aid of a tool.

2. Revision to clarify impact test requirements for grass trimmers, brush cutters and brush saws.

PROPOSAL

20.3.1 *Replacement:*

*Machines, except for **walk-behind trimmers**, are dropped three times in total on a concrete surface from a height of 1 m.*

*The machine is configured for use according to 8.14.2 a),fitted with the **cutting head** or **cutting accessory** and placed on the concrete surface in a stable resting position.*

For the first drop, the machine is lifted vertically by 1 m and allowed to drop onto the concrete surface.

For the second drop:

– the machine is placed on the concrete surface as in the first test;

– the machine is lifted vertically by 1 m; then

– the machine is rotated about its longitudinal axis approximately 90° in the most unfavourable direction prior to dropping onto the concrete surface.

For the third drop:

– the machine is placed on the concrete surface as in the first test;

– the machine is lifted vertically by 1 m; then

– the machine is rotated about its longitudinal axis approximately 180° prior to dropping onto the concrete surface.

Secondary impacts shall be avoided.

NOTE A method for avoiding secondary impacts is tethering.

For machines with handles having a storage configuration in accordance with 8.14.2 b) 109), the three drops are repeated on a separate sample with the handle adjusted to the storage configuration.

*In addition, **grass trimmers**, **brush cutters** and **brush saws** are subjected to three impacts that result from the machine being tipped over to strike a concrete surface, from the vertical standing position with the **cutting head** or the **cutting accessory** downwards. The sample is rotated to its three most unfavourable positions prior to being released.*

Each drop shall be conducted on a separate machine. At the manufacturer's request, each drop may be conducted on the same machine.

20.3.1DV D2 *Modification*: *Replace the last two paragraphs in Clause 20.3.1 of the Part 4 with the following:*

Each drop shall be conducted on a separate sample, unless a single sample can be subjected to multiple drops without failure. If a sample has been subjected to multiple drops and fails, then the drop in the orientation that resulted in the failure shall be repeated using a new sample. If the new sample passes the test for the drop in that orientation, then the requirements for the drop are considered to be fulfilled. The test shall be continued in this manner until all drops in each of the three orientations are completed.

BSR/UL 1008M, Standard for Safety for Transfer Switch Equipment, Meter-Mounted

1. Revisions to the proposed First Edition of the Standard for Transfer Switch Equipment, Meter-Mounted, UL 1008M

PROPOSAL

1.1 These requirements cover automatic and non-automatic (manual) transfer switch equipment, operating at 600 V ac or less, intended ~~either~~ for installation in a ~~utility~~ meter socket ~~or fabricated as part of a utility meter socket~~ and used in non-hazardous locations ~~only~~ in accordance with the National Electrical Code (NEC), NFPA 70, and the Canadian Electrical Code, Part I, CSA C22.1.