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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.

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## AMCA (Air Movement and Control Association)

Christine Derengowski <cderengowski@amca.org> | 30 West University Drive | Arlington Heights, IL 60004 www.amca.org

***Revision***

BSR/AMCA 207-202x, Fan System Efficiency and Fan System Input Power Calculation (revision of ANSI/AMCA 207 -2017)
Stakeholders: Fan manufacturers, building design engineers and architects, end-users, fan testing labs, motor manufactures, and associations within the HVAC industry

Project Need: To update the establishment of the overall efficiency of an extended fan system using calculational procedures.

Interest Categories: Government Agency; Compliance; Testing Laboratory; User/Purchaser; Technical Manager; Academic Expert; Other Expert; General Interest

This standard provides a method to estimate the input power and overall efficiency of an extended fan system. An extended fan system is composed of a fan and an electric motor but may also include a transmission and a motor controller. While direct measurement of fan system performance is preferred, the large number of fan system configurations often makes testing impractical. This standard offers a standardized method to estimate fan system performance by modeling commonly used components. Calculations reported in accordance with this standard offers fan users a tool to compare alternative fan system configurations in a consistent and uniform manner. This document does not provide selection guidance. Users must assure that selected components have sufficient capacity and are configured to produce the desired results.

## AMCA (Air Movement and Control Association)

Christine Derengowski <cderengowski@amca.org> | 30 West University Drive | Arlington Heights, IL 60004 www.amca.org

***Revision***

BSR/AMCA 208-202x, Calculation of the Fan Energy Index (revision of ANSI/AMCA 208-2018)
Stakeholders: Fan manufacturers, building design engineers and architects, end-users, fan testing labs, motor manufactures, and associations within the HVAC industry

Project Need: To update and clarify the calculational methods to determine the Fan Energy Index which is used to compare fan energy performance.

Interest Categories: Government Agency; Compliance; Testing Laboratory; User/Purchaser; Technical Manager; Academic Expert; Other Expert; General Interest

This standard defines the calculation method for the fan energy index (FEI), which is an energy efficiency metric for fans inclusive of motors and drives. This metric provides a standardized and consistent basis to compare fan energy performance across fan types and sizes at a given fan duty point. Fan specifiers can use FEI to understand and communicate the fan efficiency design intent. Legislative or regulatory bodies can use FEI to define the energy efficiency requirements of fans.

## AMCA (Air Movement and Control Association)

Christine Derengowski <cderengowski@amca.org> | 30 West University Drive | Arlington Heights, IL 60004 www.amca.org

***Revision***

BSR/AMCA 500L-202x, Laboratory Methods of Testing Louvers for Rating (revision of ANSI/AMCA Standard 500-L -2023)
Stakeholders: Fan manufacturers, building design engineers and architects, end-users, fan testing labs, and associations within the HVAC industry

Project Need: To update the standard to include testing with perforated plate on the face of the louver.

Interest Categories: Government Agency; Compliance; Testing Laboratory; User/Purchaser; Technical Manager; Academic Expert; Other Expert; General Interest

The purpose of this standard is to establish uniform laboratory test methods for louvers. Characteristics to be determined include air leakage, air performance (pressure drop), water penetration, wind-driven rain, wind-driven sand, and operational torque. It is not the purpose of this standard to establish minimum or maximum performance ratings.

## APCO (Association of Public-Safety Communications Officials-International)

Crystal Lawrence <lawrencec@apcointl.org; standards@apcointl.org> | 351 N. Williamson Boulevard | Daytona Beach, FL 32114 -1112 www.apcoIntl.org

***Revision***

BSR/APCO/TMA 2.101.4-202X, Alarm Monitoring Company to Emergency Communications Center (ECC) Computer-Aided Dispatch (CAD) Automated Secure Alarm Protocol (ASAP) (revision and redesignation of ANSI/APCO/TMA 2.101.3-2021)
Stakeholders: Users, Producers and General Interest in Public Safety Communications and the Alarm Industry

Project Need: The project includes the introduction of schema version 3.5 including new data fields available to the users of this standard and critical to the mission of public safety.

Interest Categories: User, Producer, General Interest

This standard provides the technical documentation for creating a data exchange to transmit information between an Alarm Monitoring Company (AMC) and an Emergency Communications Center (ECC). The three primary uses include:
(1) Initial notification of an alarm event by an AMC to an ECC;
(2) Update of status by the ECC's CAD system to the AMC;
(3) Bi-directional update of other events between an AMC and an ECC.

## ASME (American Society of Mechanical Engineers)

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

***Revision***

BSR/ASME B18.31.2-202x, Continuous Thread Stud, Double-End Stud, and Flange Bolting Stud (Stud Bolt) (Inch Series) (revision of ANSI/ASME B18.31.2-2014 (R2019))
Stakeholders: Manufacturers, users, and distributors

Project Need: Revisions to increase the chamfer lengths for flange bolting studs to three thread pitches.

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

This Standard covers the complete dimensional and general data for the following types of studs in inch dimensions:
(a) continuous thread studs;
(b) double-end studs;
(c) flange bolting studs (stud bolts).

## ASME (American Society of Mechanical Engineers)

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

***Revision***

BSR/ASME PCC-1-202x, Pressure Boundary Bolted Flange Joint Assembly (revision of ANSI/ASME PCC-1-2022)
Stakeholders: Users, manufacturers, distributors, consultants, and government

Project Need: This standard provides updates to the 2022 edition of the pressure boundary bolted flange joint assembly standard.

Interest Categories: (AC) Designer/Constructor, (AF) General Interest, (AH) Insurance/Inspection, (AK) Manufacturer, (AR) Oil Refining/Production, (AW) User

This Standard covering bolted flange joint assemblies (BFJAs) applies to pressure-boundary flange joints with ring-type gaskets that are entirely within the circle enclosed by the bolt holes and with no contact outside this circle. The principles of this Standard may be selectively applied to other joint geometries. By selecting those features suitable to the specific service or need, this Standard may be used to develop effective joint assembly procedures for the broad range of sizes and service conditions normally encountered in industry.

## ASTM (ASTM International)

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

***New Standard***

BSR/ASTM WK94897-202x, New Specification for Standard Specification for Polyethylene (PE) Mechanical Joint (MJ) Adapter (new standard)
Stakeholders: Fittings Industry

Project Need: MJ adapters are currently produced by several manufacturers and used by water utilities to transition from ductile iron or other piping materials using standard mechanical joint connections. A standard is needed to harmonize dimensions for critical features such as length, pilot nose design, and features for heat fusion joining. Users have reported inconsistent dimensions from one manufacturer to another that cause issues during installation.

Interest Categories: Producer, User, General Interest

Materials and dimensions for polyethylene adapters to connect polyethylene pressure pipe to ductile iron mechanical joints.

## AWS (American Welding Society)

Brenda Boddiger <bboddiger@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

***New Standard***

BSR/AWS B5.22-202x, Specification for the Qualification of Plastics Welding Inspectors (new standard)
Stakeholders: Current market analysis shows that plastics are used in the building/construction, automotive, aerospace, oil & gas, and the semiconductor/electronics industry segments. The welders, installers, and inspectors of plastics weldments in these industries typically do not come from the "metal" welding industry segments and this qualification document will provide industry with a credible, consensus-developed qualification standard that will address these specialized activities.

Project Need: The use of thermoplastics requires specialized knowledge in both the fusion processes and the base materials used that differs from its welded metal counterpart. AWS has published five standards that directly address this specialized technology. Included in the AWS standards are documents that define the qualification of plastic welders and welding procedure specifications, as well as standards for the evaluation of weld discontinuities. Globally, there are several EN and DVS standards that are also used. However, the qualification of plastics welding inspectors has not been addressed. The use of plastics in various industry segments is growing dramatically. The global plastic welding market is projected to experience significant growth in the coming years. For instance, the laser plastic welding segment is expected to reach approximately $1.83 billion by 2027, growing at a compound annual growth rate (CAGR) of 7.59% from 2021. Similarly, the plastic welding machines market was valued at $1.46 billion in 2023 and is anticipated to reach $2.39 billion by 2031, with a CAGR of 6.42%.

Interest Categories: General Interest, Producer, User, Educator

To define the scope, functions, education, experience, and examination requirements for the qualification of inspectors of thermoplastic weldments.

## CTA (Consumer Technology Association)

Kerri Haresign <KHaresign@cta.tech> | 1919 South Eads Street | Arlington, VA 22202 www.cta.tech

***Revision***

BSR/AASHTO/AWS D1.5M/D1.5-202x, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2025)
Stakeholders: Structural Engineers, Designers, Manufacturers, Welders, Qualifiers, Inspectors, and Fabricators involved in welding bridges

Project Need: Update the Bridge Welding Code to meet current industry standards and keep up with the technological advancements that are always in motion.

Interest Categories: User, Producer, Educator, and General Interest

This code covers the welding requirements for welded bridges made from carbon and low-alloy constructional steels and designed to AASHTO or AREMA requirements. This 2025 edition contains dimensions in metric SI Units and U.S. Customary Units. Clauses 1 through 9 constitute a body of rules for the regulation of welding in steel construction. Clauses 10 and 11 do not contain provisions, as their analogue D1.1/D1.1M sections are not applicable to the D1.5 code. Clause 12 contains the requirements for fabricating fracture-critical members.

## CTA (Consumer Technology Association)

Kerri Haresign <KHaresign@cta.tech> | 1919 South Eads Street | Arlington, VA 22202 www.cta.tech

***Revision***

BSR/CTA 2089-B-202x, Definitions and Characteristics of Artificial Intelligence (revision of ANSI/CTA 2089-A-2024)
Stakeholders: Consumers, manufacturers, retailers

Project Need: To expand the defined terms related to artificial intelligence and associated technologies.

Interest Categories: General interest, producer, user

This standard defines terms related to artificial intelligence and associated technologies.

## HL7 (Health Level Seven)

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

***Revision***

BSR/HL7 FHIR R6-202x, HL7 FHIR® Release 6 (revision of ANSI/HL7 FHIR® OBS R1-2019 (R2024), ANSI/HL7 FHIR® R4 PATIENT R1-2019 (R2024), ANSI/HL7 FHIR R4® TERMINOLOGY R1-2019 (R2024); ANSI/HL7 FHIR® R4 INFRASTRUCTURE R1-2019 (R2024) , )
Stakeholders: Healthcare applications, middleware, mobile applications

Project Need: To provide more modern healthcare interoperability mechanisms, particularly supporting mobile solutions

Interest Categories: Government/University, Vendor, Consultant, Provider, General Interest, Pharmaceutical, Payor

FHIR is an interoperability standard intended to facilitate the exchange of healthcare information between healthcare providers, patients, caregivers, payers, researchers, and any one else involved in the healthcare ecosystem. It consists of two main parts – a content model in the form of 'resources', and a specification for the exchange of these resources in the form of real-time RESTful interfaces as well as messaging and Documents.

## ISEA (International Safety Equipment Association)

Aimee Jarrell <ajarrell@safetyequipment.org> | 1101 Wilson Blvd, Suite 1425 | Arlington, VA 22209 www.safetyequipment.org

***New Standard***

BSR/ISEA 401-202x, Classification of Safety Cutting Knives (new standard)
Stakeholders: General industry workers

Project Need: To create an industry standard for safety cutting knives.

Interest Categories: Users, producers, manufacturers, government, general interest

There are many applications where a knife is required on the job to cut something. Employees use knives in factories, distribution centers, and jobsites to cut through tape, corrugate, layers of film, construction materials, etc. These knives were historically fixed blades or manually retractable knives. With a growing emphasis on safety, plant managers and safety managers have sought solutions for safer cutting. However, there are so many types of applications that there isn't one product that works for everyone. For this reason, the goal is to bring clarity on how to define what a safety knife is and then categorize them from a high level based on design criteria. By creating this standard, accidents will be prevented from occurring when the appropriate safety knife is selected.

## SDI (Canvass) (Steel Deck Institute)

Thomas Sputo <tsputo50@gmail.com> | 1731 NW 6th Street, Suite D | Gainesville, FL 32609 www.sdi.org

***Supplement***

BSR/SDI AISI S310-23/S1-202x, Supplement 1 to North American Standard for the Design of Profiled Steel Diaphragm Panels (supplement to ANSI/SDI AISI S310-2023)
Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck and metal roofing panel installers. In the producer category, stakeholders include steel deck and metal roof panel manufacturers.

Project Need: With new research findings and changes to other referenced standards, the current standard will be updated and improved.

Interest Categories: Producer, User, General Interest

This supplement to ANSI/SDI AISI S310-23 incorporates revisions and additions used for steel roof and floor diaphragm design.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***Revision***

BSR/USEMCSC C63.2-202x, Standard for Specifications of Electromagnetic Interference and Field Strength Measuring Instrumentation in the Frequency Range 9 kHz to 40 GHz (revision of ANSI C63.2-2023)
Stakeholders: EMC test laboratories, test equipment manufacturers, EMC software manufacturers, accreditation bodies and regulatory authorities.

Project Need: Since this ancillary equipment is used for emissions tests by many C63 standards, it is beneficial to have the corresponding requirements in a separate C63 standard, which can then be referred to by any C63 product-specific standard.

Interest Categories: Manufacturer, Government, General interest, Professional society, Trade association, Calibration laboratory, Test laboratory

This project will revise C63.2-2023 for adding ancillary equipment used in performing conducted and radiated emission measurements, such as the cables, LISN, the voltage probe for in situ measurements, antennas, preamplifier. Additionally, guidelines and requirements for the use of receivers and spectrum analyzers will be brought in from existing product standards. The revised C63.2 will incorporate, as necessary, corresponding material that is currently in C63.4, C63.10, C63.26, C63.25.x, C63.29, and C63.30. Update the title as necessary.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***New Standard***

BSR/USEMCSC C63.2.2-202x, Specification of Electromagnetic Compatibility Measurement Instrumentation – LISN and voltage probe (new standard)
Stakeholders: EMC test laboratories, test equipment manufacturers, EMC software manufacturers, accreditation bodies and regulatory authorities

Project Need: Since this ancillary equipment (and in particular the LISN) is used for conducted emissions tests by many C63 standards, it is beneficial to have the corresponding requirements in a separate C63 standard, which can then be referred to by any C63 product-specific standard.

Interest Categories: Manufacturer, Government, General interest, Professional society, Trade association, Calibration laboratory, Test laboratory

This project will create a new standard for ancillary equipment used in performing conducted emission measurements. The most important part is the LISN, but the standard will also include other equipment used for conducted emission measurements, such as the voltage probe for in situ measurements. It will incorporate, as necessary, corresponding material that is currently in C63.4, C63.29, and C63.30.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***New Standard***

BSR/USEMCSC C63.2.3-202x, Specification of Electromagnetic Compatibility Measurement Instrumentation – Antennas (new standard)
Stakeholders: EMC test laboratories, test equipment manufacturers, EMC software manufacturers, accreditation bodies and regulatory authorities

Project Need: Since this ancillary equipment (and in particular the antenna) is used for radiated emissions tests by many C63 standards, it is beneficial to have the corresponding requirements in a separate C63 standard, which can then be referred to by any C63 product-specific standard and the C63.25-series of site validation standards.

Interest Categories: Manufacturer, Government, General interest, Professional society, Trade association, Calibration laboratory, Test laboratory

This project will create a new standard for ancillary equipment used in performing radiated emission measurements. The most important part is the antenna, but the standard will also include other equipment used for radiated emission measurements. It will incorporate, as necessary, corresponding material that is currently in C63.4, C63.25.1, and C63.25.2.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***Revision***

BSR/USEMCSC C63.14-202x, Standard Dictionary of Electromagnetic Compatibility (EMC) Including Electromagnetic Environmental Effects (E3) (revision of ANSI C63.14-2023)
Stakeholders: Electronics Equipment Manufacturers, Military Systems, EMC Test Laboratories, Telecommunications Service Providers, Medical Equipment Manufacturers, Test Equipment Manufacturers

Project Need: This consensus standard maintains key definitions and terminology for ANSI/USEMCSC standards and publications including test and measurement techniques, wireless and ISM technology, immunity testing, laboratory accreditation/conformity, spectrum etiquette, and medical device EMC test methods.

Interest Categories: Test and Measurement Equipment Developers, Wireless and ISM Technology Developers, Laboratory Accreditation/Conformity Organizations, Spectrum/Mobile Network Operators, Medical Device Manufacturers, Federal Government

This standard validates key definitions and terminology used in ANSI/USEMCSC standards and publications. Definitions and terminology are scrutinized against the IEEE SA Style Guide for compliance and vetted for copyright approval. Associated quantities, units, multiplying factors, acronyms, and abbreviations are also covered.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***Revision***

BSR/USEMCSC C63.25.1-202x, Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz (revision of ANSI C63.25.1-2018)
Stakeholders: EMC Laboratories; equipment manufacturers including telecommunications, consumer electronics, information technology, and medical; and government

Project Need: Improvements to the current methods in the C63.25.1 standard, including an additional test method for lower measurement uncertainty and shorter test time, and enhancement to the TD SVSWR method to allow wider range of antennas.

Interest Categories: Test and Measurement Equipment Developers, Wireless and ISM Technology Developers, Laboratory Accreditation/Conformity Organizations, Spectrum/Mobile Network Operators, Medical Device Manufacturers, Federal Government

The revision is intended to add cylindrical mode filtered site VSWR method for 1 GHz to 18 GHz. Additionally, the revision is intended to improve time domain site VSWR method by allowing deconvolution algorithm so antennas with longer ringdown time can be used for TD SVSWR. This allows for a wider range of antennas to be used for the time domain method.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***Revision***

BSR/USEMCSC C63.30-202x, Standard for Methods of Measurements of Radio-Frequency Emissions from Wireless Power Transfer Equipment (revision of ANSI C63.30-2021)
Stakeholders: Telecom, consumer, government, test laboratories, certification bodies, manufacturers of equipment incorporating WPT functions, product designers, trade associations

Project Need: (1) WPT technology is developing fast and C63.30 needs to be updated to reflect new products already on the market. (2) C63.30-2021 does not address RBWPT devices, which are already on the market and FCC recently issued a KDB allowing such devices to be authorized under Part 18 provided they operate over a maximum separation distance of 1m. (3) The generic test methods currently in C63.30-2021 are based on an interim draft for the new edition of C63.4. In the last three years, the C63.4 WG made significant changes to these methods, which no longer align with C63.30-2021.

Interest Categories: Manufacturer, Government, General interest, Professional society, Trade association, Calibration laboratory, Test laboratory

Revision of C63.30-2021 for aligning with current wireless power transfer (WPT) technologies and adding procedures for radio-beam WPT (RBWPT). The generic material that already exists in C63.4 (such as measurement instrumentation and generic test methods) will be removed and replaced with a normative reference to C63.4. General updates, such as revising clause 2 to reflect the latest editions of the normative referenced standards.

## USEMCSC (United States EMC Standards Corp.)

Jennifer Santulli <j.santulli@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854

***New Standard***

BSR/USEMCSC C63.36-TPC-202x, Evaluation of Transmit Power Control in Wireless Devices (new standard)
Stakeholders: EMC test laboratories, EMC test equipment manufacturers, Accreditation Bodies, EMC calibration laboratories, and regulatory agencies. Also included are manufacturers of equipment subject to the use of this standard

Project Need: The use of transmit power control algorithms is now mandated in law/regulation for certain frequency bands in some countries. However, there is no standardized measurement method available for manufacturers to use when demonstrating compliance, or for regulatory agencies to reference when ensuring compliance with existing or new regulations.

Interest Categories: Test laboratories, government agencies, wireless device manufacturers

This project will develop a new standard for the evaluation of wireless devices that use transmit power control as part of their function. The standard will detail measurement methods and procedures the enable evaluation of common transmit power control related functions of wireless devices and demonstrate compliance with governing regulations.

# 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

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## Comment Deadline: June 22, 2025

### 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*

ASHRAE Addendum z to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2024)
This proposed addendum better harmonizes the requirements for Group A2L refrigerants in Sections 7.6 and 7.7. It specifically better aligns the requirements on refrigerant charge limits and ventilation.
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

### IIAR (International Institute of All-Natural Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 | tony_lundell@iiar.org, www.iiar.org

#### *New Standard*

BSR/IIAR HC-202x, Safety Standard for Closed-Circuit Refrigeration Systems Utilizing Hydrocarbon Refrigerants (new standard)
This standard provides the minimum safety requirements for design, installation, startup, inspection, testing, and maintenance, as well as decommissioning and general safety requirements for refrigeration systems that use naturally occurring hydrocarbon refrigerants such as propane, N-butane, and isobutane. This standard shall apply to hydrocarbon refrigeration systems that are not regulated by listing agencies.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Tony Lundell <tony_lundell@iiar.org>

# Comment Deadline: June 22, 2025

### ULSE (UL Standards and Engagement)

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

*Revision*

BSR/UL 817-202X, Standard for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2025)
Heater-Use Power-Supply Cords, New Requirements
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

# Comment Deadline: July 7, 2025

### AGMA (American Gear Manufacturers Association)

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

*Reaffirmation*

BSR/AGMA 2111-A98 (R202x), Cylindrical Wormgearing Tolerance and Inspection Methods (Metric) (reaffirmation of ANSI/AGMA 2111-A98 (R2020))
This standard describes and defines variations that may occur in unassembled wormgearing. It displays measuring methods and practices, giving suitable warnings if a preferred probe cannot be used. The applicability of single- or double-flank composite testing is discussed, using a reference gear. Tooth thickness measurement is shown using direct measurement as well as the use of measurements over wires or pins. Equations for the maximum variations are given for the stated ranges, as a function of size, pitch, and tolerance grade.
Single copy price: $230.00 (non-member); $115.00 (member)
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, praneis@agma.org

### AIA (Aerospace Industries Association)

1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209 | chris.carnahan@aia-aerospace.org, www.aia-aerospace.org

*New Standard*

BSR/AIA NAS9945-202x, Airworthiness Engineering Training and Education (new standard)
NAS9945 is intended to support United States (US) aviation and aerospace education programs, colleges and universities, and design, manufacturing and/or maintenance organizations in developing and implementing airworthiness training for engineering students, engineers and Airworthiness Professionals (Airworthiness Engineers and Specialists) involved with the certification and/or continuing airworthiness of aircraft. This standard identifies guidelines, expectations, and curricula for these entities (and/or similar entities) to provide high-quality training and education with the goal of enhancing aviation safety, increasing effectiveness of certification processes, and improving operational performance of organizations involved with certification of and/or continuing airworthiness of aircraft.
Single copy price: Free
Obtain an electronic copy from: chris.carnahan@aia-aerospace.org
Send comments (copy psa@ansi.org) to: Christopher Carnahan <chris.carnahan@aia-aerospace.org>

# Comment Deadline: July 7, 2025

### ANS (American Nuclear Society)

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | kmurdoch@ans.org, www.ans.org

***Reaffirmation***

BSR/ANS 10.8-2015 (R202x), Non-Real-Time, High-Integrity Software for the Nuclear Industry - User Requirements (reaffirmation of ANSI/ANS 10.8-2015 (R2020))
This standard addresses requirements users need to meet to use high-integrity, non-real-time software. High-integrity software includes safety analysis, design, simulation, and other software which can have critical consequences if errors are not detected, but that is so complex that typical peer reviews are not likely to identify errors. It is intended to address the type of software developed under ANS 10.7 and may be used for other software that can have critical consequences.
Single copy price: $50.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: standards@ans.org

### ANS (American Nuclear Society)

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | kmurdoch@ans.org, www.ans.org

***Reaffirmation***

BSR/ANS 58.9-2002 (R202x), Single Failure Criteria for Light Water Reactor Safety-Related Fluid Systems (reaffirmation of ANSI/ANS 58.9-2002 (R2020))
This standard provides criteria for the designer which interpret the requirements of Title 10, Code of Federal Regulations, Part 50, "Licensing of Production and Utilization Facilities," Appendix A, "General Design Criteria for Nuclear Power Plants," with respect to design against single failures in safety-related Light Water Reactor (LWR) fluid systems. Means of treating both active and passive failures are addressed for safety-related fluid systems following various initiating events. Current acceptable practice is used as a basis for these criteria. Failure criteria for the electric power systems and the protection systems are provided in IEEE Std 308-1980 "IEEE Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations", IEEE Std 279-1971 "IEEE Standard Criteria for Protection Systems for Nuclear Power Generating Stations" (N42.7-1972), IEEE Std 379-1977 "IEEE Standard for Application of the Single-Failure Criterion to Nuclear Power Generating Station Class IE Systems", and IEEE Std 603-1980 "Standard Criteria for Safety Systems for Nuclear Power Generating Stations." Failures of structural components, such as braces, supports, or restraints, as well as occurrences involving common mode failures, are excluded.
Single copy price: $50.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: standards@ans.org

# Comment Deadline: July 7, 2025

### 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. 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

### AWS (American Welding Society)

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

***Reaffirmation***

BSR/AWS D18.3/D18.3M-2015 (R202x), Specification for Welding of Tanks, Vessels, and Other Equipment in Sanitary (Hygienic) Applications (reaffirmation of ANSI/AWS D18.3/D18.3M-2015)
This specification provides the requirements for welding of tanks, vessels, and other equipment used in food processing plants and other areas where sanitary (hygienic) applications are required. The document addresses qualification, fabrication, extent of visual examination, acceptance criteria, and documentation requirements.
Single copy price: $30.00 (Member Price); $40.00 (Non-Member Price)
Obtain an electronic copy from: mgills@aws.org
Send comments (copy psa@ansi.org) to: Same

### HI (Hydraulic Institute)

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

***Revision***

BSR/HI 9.6.9-202x, Rotary Pumps Guidelines for Condition Monitoring (revision of ANSI/HI 9.6.9-2018)
This guideline is intended to give the pump user a tool for condition monitoring of rotary positive displacement pumps but does not directly address process management systems or pump drivers.
Single copy price: $85.00
Obtain an electronic copy from: achatterjee@pumps.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: July 7, 2025

### HL7 (Health Level Seven)

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

*Reaffirmation*

BSR/HL7 V2 Conformance, R1-2020 (R202x), HL7 Version 2 Specification: Conformance, Release 1 (reaffirmation and redesignation of ANSI/HL7 V2 Conformance, R1-2020)
This specification provides the rules and documentation requirements for profiling HL7 v2 base message definitions. It also provides guidance on how to assemble a set of message profiles to satisfy the requirements of a set of use cases documented in an implementation guide. A goal is to provide specifiers and implementers the mechanisms to define requirements in a clear and precise manner. The intent is to update the conformance methods used and to separate conformance from the base standard.
Single copy price: $No cost license for logged-in users
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Same

### IAPMO (Z) (International Association of Plumbing and Mechanical Officials)

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

*New Standard*

BSR/IAPMO Z1393-202x, Bathroom Vanity Assemblies with Plumbing Products (new standard)
This Standard covers bathroom vanity assemblies intended for both residential and commercial applications and specifies requirements for materials, physical characteristics, performance testing, and markings. A bathroom vanity assembly shall include but not limited to: (a) vanity sink cabinet; (b) countertop; (c) sink; (d) faucets; (e) drains; (f) drainage fittings and/or traps; (g) supply hoses; and (h) supply stops.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

### ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | lfranke@isa.org, www.isa.org

*New Standard*

BSR/ISA 96.08.01-202x, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)
This standard provides basic requirements for mechanical integrity, selection and sizing of gas over oil actuators, both rotary and linear, provided in double- and single-acting designs. Actuators for rotative applications may include scotch yoke type, rotary vane type, or helical spline. For linear applications, actuators shall be of the linear hydraulic design. This document applies to actuators with a maximum allowable operating pressure from 150 psig to 1500 psig using direct-piped natural or sour gas segregated from the actuator by means of gas-over-oil tanks.
Single copy price: $99.00
Obtain an electronic copy from: lfranke@isa.org
Send comments (copy psa@ansi.org) to: Lynne Franke <lfranke@isa.org>

# Comment Deadline: July 7, 2025

**NECA (National Electrical Contractors Association)**
1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

***Revision***

BSR/NECA 130-202X, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2016)
This Standard describes installation and maintenance procedures for wiring devices.
1.1 Products and Applications Included in This Standard. Covers the installation and maintenance of wiring devices that are rated 600V and less and are intended to be permanently connected to building premises wiring systems on non-hazardous (unclassified) branch circuits for residential, commercial, and industrial applications for new installations, replacements in existing installations, and new branch-circuit extensions in existing installations. It applies to:
- Non-locking- and locking-type receptacles;
- Multi-outlet assemblies;
- Attachment plugs, connector bodies, and motor attachment plugs (inlets), (both non-locking and locking type);
- Pin-and-sleeve devices (receptacles, attachment plugs, connector bodies, and motor attachment plugs (inlets));
- Switches;
- Timers;
- Combination devices;
- Occupancy sensors;
- Dimmers;
- Cover plates and outlet box hoods.

1.2 Products and Applications Excluded This Standard does not cover:
- Design, layout, or code required locations of wiring devices;
- Design or layout of code-compliant wiring methods or branch circuit wiring;
- Wiring devices installed in hazardous locations;
- Wiring devices that are temporary installations;
- Arc-Fault Circuit Interrupters (AFCIs) or Ground-Fault Circuit Interrupters (GFCIs). See NECA 169;
- Floor service outlets;
- Floor poke-through assemblies.

Single copy price: $30.00 (Member Price); $60.00 (Non-Member Price)
Obtain an electronic copy from: neis@necanet.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: July 7, 2025

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

***Revision***

BSR/NECA 169-202X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2016)
This Standard describes the installation and maintenance procedures for Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs).
1.1 Products and Applications Included. This Standard covers the installation and maintenance of Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) permanently installed on building premises wiring systems for residential, commercial, and industrial applications. It applies to:
- Listed combination type AFCIs and listed outlet branch-circuit type (OBC) AFCIs for new installations, for replacement in existing installations, and for new branch-circuit extensions in existing installations;
- Listed GFCIs and dead-front GFCIs for new installations, for replacement in existing installations, and for new branch-circuit extensions in existing installations;
1.2 Products and Applications Excluded This Standard. Does not apply to:
- Temporary installations and portable power distribution units;
- Portable wiring or equipment;
- Cord-connected AFCIs and GFCIs, and listed portable GFCIs used in temporary installations or to supply portable wiring or equipment;
- AFCIs and GFCIs required in mobile homes, manufactured homes, or mobile home parks;
- AFCIs required in cord-and-plug connected air conditioning units;
- Ground-fault protection of equipment.
Single copy price: $30.00 (Member Price); $60.00 (Non-Member Price)
Obtain an electronic copy from: neis@necanet.org
Send comments (copy psa@ansi.org) to: Same

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

***Revision***

BSR/NECA 200-202X, Standard for Installing and Maintaining Temporary Electrical Power at Construction Sites (revision of ANSI/NECA 200-2016)
1.1 Products and Applications Included. This Standard describes temporary electric power equipment and systems, including temporary lighting systems, installed indoors and outdoors at construction sites, operating at 600V or less. It covers the planning, installation, maintenance, expansion, and cutover and removal procedures for temporary electric power systems. This Standard is intended to ensure a safe, adequate, functional, and reliable temporary electric power systems for use by all trades at construction sites.
1.2 Products and Applications Excluded. This Standard does not cover the following:
- Temporary electric power equipment and systems operating at more than 600V;
- Temporary electric power equipment and systems installed for purposes other than construction;
- Use of portable generators for temporary electric power.
Single copy price: $30.00 (Member Price); $60.00 (Non-Member Price)
Obtain an electronic copy from: neis@necanet.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: July 7, 2025

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

*Revision*

BSR/NECA 416-202X, Recommended Practice for Installing Energy Storage Systems (ESS) (revision of ANSI/NECA 416-2016)
This Recommended Practice describes installation practices for Energy Storage Systems (ESS) such as battery systems, flywheels, ultra-capacitors, and smart chargers used for electric vehicle (EV) vehicle-to-grid (V2G) applications. Products and applications that are covered by this Recommended Practice include:
- Battery systems;
- Flywheels;
- Ultra-Capacitors;
- Electric vehicle (EV) smart charger vehicle-to-grid (V2G) applications.

While Compressed Air Energy Storage (CAES), Pumped Hydro Storage (PHS), and Thermal Energy Storage (TES) are not covered by this Recommended Practice (see Section 1.2), electrical equipment and components for use in CAES, PHS, and TES should be installed in accordance with this Recommended Practice.
Products and Applications Excluded. The design of mechanical systems, such as pumps, piping, tanks, and controls for flow battery systems and ventilation systems for battery systems and EVSE, and structural systems, such as foundations and seismic reinforcement, for ESS is beyond the scope of this Recommended Practice and shall be completed by qualified design professionals. The installation of mechanical systems and structural systems for ESS is beyond the scope of this Recommended Practice and shall be completed by skilled tradespersons for the installation of such systems.
Single copy price: $30.00 (Member Price); $60.00 (Non-Member Price)
Obtain an electronic copy from: neis@necanet.org
Send comments (copy psa@ansi.org) to: Same

### NENA (National Emergency Number Association)

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

*New Standard*

BSR/NENA STA-030.1-202x, NENA Standards for Non-Conventional Means of Communicating with E9-1-1 (new standard)
Develops a standard that describes various types of non-traditional E9-1-1 calls, provides standards to third-party providers that implement these solutions, and provides operational guidance to PSAPs.
Single copy price: Free
Obtain an electronic copy from: Download and submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=36771&wg_id=90b6db5d-5b31-409f-9581-02e10e62694d
Send comments (copy psa@ansi.org) to: Download and submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=36771&wg_id=90b6db5d-5b31-409f-9581-02e10e62694d

# Comment Deadline: July 7, 2025

**NFPA (National Fire Protection Association)**
One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

***Revision***

BSR/NFPA 1000-202x, Standard for Fire Service Professional Qualifications Accreditation and Certification Systems (revision of ANSI/NFPA 1000-2022)
This standard establishes the minimum criteria for the following: (1) Accrediting bodies; (2) Assessment and validation of the process used to certify fire and related emergency response personnel to professional qualifications standards; and (3) Non-engineering, fire-related, academic, degree-granting programs offered by institutions of higher education
Obtain an electronic copy from: www.nfpa.org/1000next
Send comments (copy psa@ansi.org) to: Same

**NFPA (National Fire Protection Association)**
One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

***Revision***

BSR/NFPA 1033-202x, Standard for Professional Qualifications for Fire Investigator (revision of ANSI/NFPA 1033 -2022)
This standard shall identify the professional level of job performance requirements for fire investigators.
Obtain an electronic copy from: www.nfpa.org/1033next
Send comments (copy psa@ansi.org) to: Same

**NFPA (National Fire Protection Association)**
One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

***Revision***

BSR/NFPA 1140-202x, Standard for Wildland Fire Protection (revision of ANSI/NFPA 1140-2022)
This standard provides the minimum requirements for wildland fire management and the associated professional qualifications for wildland fire positions.
Obtain an electronic copy from: www.nfpa.org/1140next
Send comments (copy psa@ansi.org) to: Same

**NFPA (National Fire Protection Association)**
One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

***Revision***

BSR/NFPA 1990-202x, Standard for Protective Ensembles for Hazardous Materials and CBRN Operations (revision of ANSI/NFPA 1990-2022)
This standard shall specify the minimum design, performance, testing, documentation, and certification requirements for the following PPE, which is used by emergency responders during hazardous materials emergencies and CBRN terrorism incidents: (1) Vapor-protective ensembles and ensemble elements for hazardous materials emergencies and CBRN terrorism incidents; (2) Liquid splash-protective ensembles and ensemble elements for hazardous materials emergencies; (3) Hazmat/CBRN protective ensembles and ensemble elements for hazardous materials emergencies and CBRN terrorism incidents.
Obtain an electronic copy from: www.nfpa.org/1990next
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: July 7, 2025

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

***Revision***

BSR/TAPPI T 1500 gl-202x, Optical measurements terminology (related to appearance evaluation of paper) (revision of ANSI/TAPPI T 1500 gl-2018)
This glossary defines terms used in the pulp and paper industry relating to both visual and instrumental evaluations of appearance. This technical terminology includes such optical assessments such as brightness, whiteness, color, gloss, opacity, scattering, absorption, etc.
Single copy price: Free
Obtain an electronic copy from: Standards@tappi.org
Send comments (copy psa@ansi.org) to: Same

### TVC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | aszc80@thevisioncouncil.org, www.z80asc.com

***Revision***

BSR Z80.1-202x, Ophthalmics - Prescription Ophthalmic Lenses - Recommendations (revision of ANSI Z80.1 -2020)
This standard reflects the shift in utilization from mass-produced lenses to a basic dependence upon custom-processed lenses at the laboratory level. It does not represent tolerances that describe the state-of-the-art of the ophthalmic laboratory, but provides quality goals for new lenses prepared to individual prescription. The individual performance parameters listed in this standard can be achieved reliably.
Single copy price: $85.00
Obtain an electronic copy from: https://www.z80asc.com/ or email: aszc80@thevisioncouncil.org
Send comments (copy psa@ansi.org) to: Same

### TVC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | aszc80@thevisioncouncil.org, www.z80asc.com

***Revision***

BSR Z80.3-202x, Ophthalmics - Nonprescription Sunglass and Fashion Eyewear Requirements (revision of ANSI Z80.3-2018 (R2023))
This standard applies to all nonprescription sunglasses and fashion eyewear, normally used for casual, dress, and recreational purposes, having lenses of substantially plano power. This standard specifically excludes products covered by ANSI Z87.1, ANSI Z80.1, ASTM F803, and high-impact resistance eyewear designed exclusively for designated sports use. Sunglass needs for aphakics may not be met by this standard.
Single copy price: $65.00
Obtain an electronic copy from: https://www.z80asc.com/ or email: aszc80@thevisioncouncil.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: July 7, 2025

### TVC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | ascz80@thevisioncouncil.org, www.z80asc.com

***Revision***

BSR Z80.7-202x, Ophthalmic Optics - Monofocal Intraocular Lenses (revision of ANSI Z80.7-2013 (R2023))
This standard applies to monofocal intraocular lenses (IOLs) whose primary indication is the correction of aphakia. This standard addresses the vocabulary, optical properties and test methods, mechanical properties and test methods, biocompatibility, sterility, shelf-life and transport stability, and clinical investigations necessary for this type of device.
Single copy price: $60.00
Obtain an electronic copy from: https://www.z80asc.com/ or email: ascz80@thevisioncouncil.org
Send comments (copy psa@ansi.org) to: Same

### ULSE (UL Standards and Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | Jacob.Stewart@ul.org, https://ulse.org/

***Revision***

BSR/UL 1123-202x, UL Standard for Safety for Marine Buoyant Devices (revision of ANSI/UL 1123-2024)
Update and revise a referenced test method.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

### ULSE (UL Standards and Engagement)

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

***Revision***

BSR/UL/ULC 180-202x, Combustible Liquid Tank Accessories (revision of ANSI/UL 180-2023)
This standard covers construction and performance requirements for tank accessories intended for installation in, on or connected to the storage tank or supply tank in accordance with the manufacturer's instructions such as liquid level gauges, fill signal devices, aboveground piping systems, or fill pipe covers and vent pipe caps, for use on atmospheric aboveground tanks not exceeding 19,927 L which are intended for the storage and supply of heating fuels for oil burning equipment, diesel fuels for compression ignition engines, motor oils (new or used) for automotive service stations, and similar combustible liquid applications.
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: July 7, 2025

### ULSE (UL Standards and Engagement)

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

*Revision*

BSR/UL/ULC 1316-202x, Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL/ULC 1316-2019 (R2024))
This Standard sets forth minimum design and construction requirements for fibre-reinforced plastic, non-pressure tanks that are used for the underground storage of flammable and combustible liquids, such as: Petroleum products, including petroleum hydrocarbon fuels with low-biofuels blends, per specifications, and similar flammable or combustible liquid petroleum derivatives, such as fuel components (cetane, hexane, heptane), and oils (lubricating, hydraulic, machine); Oxygenated fuel blends, including all “petroleum product” liquids plus petroleum hydrocarbon fuels with low-biofuels blends; Oxygenates, including all "petroleum product" and “oxygenated fuel blends” liquids plus pure/denatured or highest oxygenated blend stocks for use in mixing of dispensed lower fuel-blends and components, such as biodiesel and ethanol; and Other flammable and combustible liquids that can be demonstrated or determined to be compatible with the reinforced plastic underground tank materials as determined by the certifier. This Standard covers tanks of either single-, double-, or multiple-wall construction. Tanks covered by this Standard are fabricated, inspected, and tested for leakage prior to shipment from the factory as completely assembled vessels. This Standard covers tanks where the primary tank may have a single compartment or have multiple compartments.
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 93.0-202x, QMC - Small Form Factor Mezzanine Draft Standard (new standard)
This standard, referred to as QMC, defines a Small Form Factor mezzanine that is significantly smaller than XMC with both a host Carrier and I/O interface connectors. The QMC Carrier interface supports modern high-speed serial fabrics, such as PCI express. Multiple modules can be installed on various carrier card form factors including 3U/6U Eurocards (VPX, cPCI, VME, etc.), VNX+, PCIe expansion cards, and others. It is suitable for deployment in commercial, industrial, space, or military-grade rugged environments with Air-Cooled or Conduction Cooled formats.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

# Comment Deadline: July 22, 2025

## ASME (American Society of Mechanical Engineers)

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

***Revision***

BSR/ASME Y14.43-202x, Dimensioning and Tolerancing Principles for Gages and Fixtures (revision of ANSI/ASME Y14.43-2011 (R2020))
This Standard presents the design practices for dimensioning and tolerancing of gages and fixtures used for the verification of maximum material condition (MMC) size envelopes and virtual condition boundaries generated by geometric tolerances controlled at maximum material condition. Examples of gages used to inspect workpieces using regardless of feature size (RFS) are shown in an Appendix.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fred Constantino

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

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

***New Standard***

INCITS 574-202x, Information Technology - ATA Command Set - 6 (ACS-6) (new standard)
The set of AT Attachment standards consists of this standard and the ATA implementation standards described in AT Attachment - 8 ATA/ATAPI Architecture Model (ATA8-AAM). This standard specifies the command set that host systems use to access storage devices. This standard provides a common command set for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices. Figure 1 shows the relationship of this standard to other ATA standards as well as related device and host standards and specifications (e.g., SCSI standards and SATA-IO specifications).
Single copy price: Free
Obtain an electronic copy from: https://standards.incits.org/higherlogic/ws/public/document?document_id=172448&wg_id=4eb659ce-fa74-4b5b-a850-018f186797b7
Order from: https://standards.incits.org/higherlogic/ws/public/document?document_id=172448&wg_id=4eb659ce-fa74-4b5b-a850-018f186797b7
Send comments (copy psa@ansi.org) to: incits@itic.org

## ULSE (UL Standards and Engagement)

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

***Revision***

BSR/UL 224-202x, Standard for Extruded Insulating Tubing (revision of ANSI/UL 224-2021)
Revisions, Clarifications, and Improvements - Sunlight Resistance and Higher Voltage Ratings.
Single copy price: Free
Order 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: July 22, 2025

### ULSE (UL Standards and Engagement)

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

***Revision***

BSR/UL 583-202x, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583 -2025)
This proposal covers: (1) Revision to Update Paragraph Reference in 20.3.
Single copy price: Free
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

### ULSE (UL Standards and Engagement)

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

***Revision***

BSR/UL 842-202x, Standard for Valves for Flammable and Combustible Liquids (revision of ANSI/UL 842-2020)
The following is being proposed: (1) Clarifications of requirements relating to liquid-confining parts and materials used with liquid-confining parts; (2) Updates to Standard to align with ULSE Style Manual.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable or https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: "https://csds.ul.comProposalsAvailable"

# 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:

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

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

BSR/ASHRAE Addendum n to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
Send comments (copy psa@ansi.org) to: Kai Nguyen <knguyen@ashrae.org>

### ASTM (ASTM International)

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

BSR/ASTM WK91404-202x, New Practice for Hydrogel Projectile Launcher Playing Field (new standard)
Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

### CTA (Consumer Technology Association)

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

BSR/CTA 2045-B Amendment 1-202x, Modular Communications Interface for Energy Management (addenda to ANSI/CTA 2045-B-2021)
Send comments (copy psa@ansi.org) to: Kerri Haresign <KHaresign@cta.tech>

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

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

### API (American Petroleum Institute)

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

ANSI/API Standard 662, Part 1-2011, Plate Heat Exchangers for General Refinery Services, Part 1 - Plate-and-Frame Heat Exchangers (identical national adoption of ISO 15547-1:2005)
Send comments (copy psa@ansi.org) to: Dane Asuigui <asuiguid@api.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.

## AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | jbrooks@amca.org, www.amca.org

ANSI/AMCA 210/ASHRAE 51-2025, Laboratory Methods of Testing Fans for Aerodynamic Performance Rating (revision of ANSI/AMCA 210-2016, ANSI/ASHRAE 51-2016) Final Action Date: 5/19/2025 | *Revision*

## ASA (ASC S1) (Acoustical Society of America)

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

ANSI/ASA S1.6-2020 (R2025), Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (reaffirmation of ANSI/ASA S1.6-2020) Final Action Date: 5/19/2025 | *Reaffirmation*

ANSI/ASA S1.8-2016 (R2025), Reference Values for Levels Used in Acoustics and Vibrations (reaffirmation of ANSI/ASA S1.8-2016 (R2020)) Final Action Date: 5/19/2025 | *Reaffirmation*

## ASA (ASC S12) (Acoustical Society of America)

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

ANSI/ASA S12.19-1996 (R2025), Measurement of Occupational Noise Exposure (reaffirmation of ANSI/ASA S12.19 -1996 (R2020)) Final Action Date: 5/19/2025 | *Reaffirmation*

## ASA (ASC S3) (Acoustical Society of America)

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

ANSI/ASA S3.35-2025, Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (revision of ANSI/ASA S3.35-2021) Final Action Date: 5/19/2025 | *Revision*

## ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B107.17-2020 (R2025), Gages and Mandrels for Wrench Openings (reaffirmation of ANSI/ASME B107.17 -2020) Final Action Date: 5/14/2025 | *Reaffirmation*

ANSI/ASME B30.5-2025, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2021) Final Action Date: 5/12/2025 | *Revision*

## ASTM (ASTM International)

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

ANSI/ASTM E3407-2025, Classification for Ignitable Liquids Encountered in Fire Debris Analysis (new standard) Final Action Date: 5/15/2025 | *New Standard*

## AWWA (American Water Works Association)

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

ANSI/AWWA C519-2025, High-Performance Waterworks Butterfly Valves-3 In. (75 mm) Through 60 In. (1,500 mm) (revision of ANSI/AWWA C519-2018) Final Action Date: 5/15/2025 | *Revision*

## CSA (CSA America Standards Inc.)

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

ANSI/CSA NGV 4.4 (R2025), Breakaway devices for natural gas dispensing hoses and systems (reaffirmation of ANSI/CSA NGV 4.4-2021) Final Action Date: 5/14/2025 | *Reaffirmation*

ANSI/CSA NGV 4.6 (R2025), Manually operated valves for natural gas dispensing systems (reaffirmation of ANSI/CSA NGV 4.6-2020) Final Action Date: 5/14/2025 | *Reaffirmation*

ANSI/CSA NGV 4.7 (R2025), Automatically pressure operated valves for natural gas dispensing systems (reaffirmation of ANSI/CSA NGV 4.7-2020) Final Action Date: 5/14/2025 | *Reaffirmation*

## IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 3333.1.2-2025, Approved Draft Standard for the Perceptual Quality Assessment of Three Dimensional (3D), Ultra High Definition (UHD) and High Dynamic Range (HDR) Contents (new standard) Final Action Date: 5/14/2025 | *New Standard*

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

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

INCITS/ISO/IEC 8632-1:1999/COR 1:2006 [S2025], Information Technology - Computer Graphics - Metafile for the Storage and Transfer of Picture Description Information - Part 1: Functional Specification - Technical Corrigendum 1 (stabilized maintenance of INCITS/ISO/IEC 8632-1:1999/COR 1:2006 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 8632-1:1999/COR 2:2007 [S2025], Information Technology - Computer Graphics - Metafile for the Storage and Transfer of Picture Description Information - Part 1: Functional Specification - Technical Corrigendum 2 (stabilized maintenance of INCITS/ISO/IEC 8632-1:1999/COR 2:2007 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 9593-1:1990/COR 1:1993 [S2025], Information Processing Systems - Computer Graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 1: FORTRAN - Technical Corrigendum 1 (stabilized maintenance of INCITS/ISO/IEC 9593-1:1990/COR 1:1993 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 9593-1:1990/COR 2:1994 [S2025], Information Processing Systems - Computer Graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 1: FORTRAN - Technical Corrigendum 2 (stabilized maintenance of INCITS/ISO/IEC 9593-1:1990/COR 2:1994 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 9593-3:1990/COR 1:1993 [S2025], Information Technology - Computer Graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 3: ADA - Technical Corrigendum 1 (stabilized maintenance of INCITS/ISO/IEC 9593-3:1990/COR 1:1993 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 9593-3:1990/COR 2:1994 [S2025], Information Technology - Computer Graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 3: ADA - Technical Corrigendum 2 (stabilized maintenance of INCITS/ISO/IEC 9593-3:1990/COR 2:1994 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

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

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

INCITS/ISO/IEC 9593-4:1991/COR 1:1994 [S2025], Information Technology - Computer Graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 4: C Technical Corrigendum 1 (stabilized maintenance of INCITS/ISO/IEC 9593-4:1991/COR 1:1994 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 12087-2:1994/COR 1:1997 [S2025], Information Technology - Computer Graphics and Image Processing - Image Processing and Interchange (IPI) - Functional Specification - Part 2: Programmers Imaging Kernel System Application Programme Interface - Technical Corrigendum 1 (stabilized maintenance of INCITS/ISO/IEC 12087 -2:1994/COR 1:1997 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 14772-1:1997 [S2025], Information Technology - Computer Graphics and Image Processing - The Virtual Reality Modeling Language - Part 1: Functional Specification and UTF-8 Encoding (stabilized maintenance of INCITS/ISO/IEC 14772-1:1997 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 14772-1:1997/AM 1:2003 [S2025], Information Technology - Computer Graphics And Image Processing - The Virtual Reality Modeling Language - Part 1: Functional Specification And UTF-8 Encoding - Amendment 1: Enhanced interoperability (stabilized maintenance of INCITS/ISO/IEC 14772-1:1997/AM 1:2003 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 9496:2003 [S2025], CHILL - The ITU-T Programming Language (stabilized maintenance of INCITS/ISO/IEC 9496:2003 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 14977:1996 [S2025], Information Technology - Syntactic Metalanguage - Extended BNF (stabilized maintenance of INCITS/ISO/IEC 14977:1996 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 15145:1997 [S2025], Information technology - Programming languages - FORTH (stabilized maintenance of INCITS/ISO/IEC 15145:1997 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 16509:1999 [S2025], Information technology - Year 2000 terminology (stabilized maintenance of INCITS/ISO/IEC 16509:1999 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 18026:2009 [S2025], Information Technology - Spatial Reference Model (SRM) (stabilized maintenance of INCITS/ISO/IEC 18026:2009 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 24747:2009 [S2025], Information technology - Programming languages, their environments and system software interfaces - Extensions to the C Library to support mathematical special functions (stabilized maintenance of INCITS/ISO/IEC 24747:2009 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

INCITS/ISO/IEC 25436:2006 [S2025], Information technology - Eiffel: Analysis, Design and Programming Language (stabilized maintenance of INCITS/ISO/IEC 25436:2006 [R2020]) Final Action Date: 5/14/2025 | *Stabilized Maintenance*

## NEMA (ASC C137) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

ANSI C137.2-2019 (R2025), Cybersecurity Requirements for Lighting Systems - Parking Lots (reaffirmation of ANSI C137.2-2019) Final Action Date: 5/15/2025 | *Reaffirmation*

ANSI C137.7-2020 (R2025), Lighting Systems - Networked Parking Lot Lighting Systems (reaffirmation of ANSI C137.7 -2020) Final Action Date: 5/15/2025 | *Reaffirmation*

## NEMA (ASC C18) (National Electrical Manufacturers Association)

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

ANSI C18.1M, Part 1-2025, Portable Primary Cells and Batteries with Aqueous Electrolyte - General and Specifications (revision of ANSI C18.1M, Part 1-2021) Final Action Date: 5/19/2025 | *Revision*

## NSF (NSF International)

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

ANSI/NSF/CAN 60-2025 (i101r2), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60 -2021) Final Action Date: 5/6/2025 | *Revision*

ANSI/NSF/CAN 60-2025 (i102r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60 -2021) Final Action Date: 5/9/2025 | *Revision*

ANSI/NSF/CAN 60-2025 (i103r2), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60 -2021) Final Action Date: 5/16/2025 | *Revision*

ANSI/NSF/CAN 61-2025 (i191r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 5/10/2025 | *Revision*

## SDI (ASC A250) (Steel Door Institute)

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

ANSI A250.3-2025, Test Procedure and Acceptance Criteria for Factory Applied Finish Coatings for Steel Doors and Frames (revision of ANSI A250.3-2019) Final Action Date: 5/13/2025 | *Revision*

ANSI A250.10-2025, Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames (revision of ANSI A250.10-2020) Final Action Date: 5/13/2025 | *Revision*

## ULSE (UL Standards and Engagement)

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

ANSI/UL 48-2025, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2023) Final Action Date: 5/14/2025 | *Revision*

ANSI/UL 827-2025, UL Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2023) Final Action Date: 5/12/2025 | *Revision*

ANSI/UL 1647-2025, Standard for Safety for Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2020) Final Action Date: 5/15/2025 | *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.

### AGMA (American Gear Manufacturers Association)

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

BSR/AGMA 2111-A98 (R202x), Cylindrical Wormgearing Tolerance and Inspection Methods (Metric) (reaffirmation of ANSI/AGMA 2111-A98 (R2020))

### AIA (Aerospace Industries Association)

1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209 | chris.carnahan@aia-aerospace.org, www.aia-aerospace.org

BSR/AIA NAS9945-202x, Airworthiness Engineering Training and Education (new standard)

### AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004 | cderengowski@amca.org, www.amca.org

BSR/AMCA 207-202x, Fan System Efficiency and Fan System Input Power Calculation (revision of ANSI/AMCA 207 -2017)

### AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004 | cderengowski@amca.org, www.amca.org

BSR/AMCA 208-202x, Calculation of the Fan Energy Index (revision of ANSI/AMCA 208-2018)

### AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004 | cderengowski@amca.org, www.amca.org

BSR/AMCA 500L-202x, Laboratory Methods of Testing Louvers for Rating (revision of ANSI/AMCA Standard 500-L -2023)

### APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | lawrencec@apcointl.org; standards@apcointl.org, www.apcoIntl.org

BSR/APCO/TMA 2.101.4-202X, Alarm Monitoring Company to Emergency Communications Center (ECC) Computer-Aided Dispatch (CAD) Automated Secure Alarm Protocol (ASAP) (revision and redesignation of ANSI/APCO/TMA 2.101.3-2021)

### ASME (American Society of Mechanical Engineers)

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

BSR/ASME PCC-1-202x, Pressure Boundary Bolted Flange Joint Assembly (revision of ANSI/ASME PCC-1-2022)

### AWS (American Welding Society)

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

BSR/AWS B5.22-202x, Specification for the Qualification of Plastics Welding Inspectors (new standard)

### CTA (Consumer Technology Association)

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

BSR/CTA 2089-B-202x, Definitions and Characteristics of Artificial Intelligence (revision of ANSI/CTA 2089-A-2024)

### HI (Hydraulic Institute)

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

BSR/HI 9.6.9-202x, Rotary Pumps Guidelines for Condition Monitoring (revision of ANSI/HI 9.6.9-2018)

### ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | lfranke@isa.org, www.isa.org

BSR/ISA 96.08.01-202x, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)

### ISEA (International Safety Equipment Association)

1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | ajarrell@safetyequipment.org, www.safetyequipment.org

BSR/ISEA 401-202x, Classification of Safety Cutting Knives (new standard)

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

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

INCITS 574-202x, Information Technology - ATA Command Set - 6 (ACS-6) (new standard)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 130-202X, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2016)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 169-202X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2016)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 200-202X, Standard for Installing and Maintaining Temporary Electrical Power at Construction Sites (revision of ANSI/NECA 200-2016)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 416-202X, Recommended Practice for Installing Energy Storage Systems (ESS) (revision of ANSI/NECA 416-2016)

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

BSR/SDI AISI S310-23/S1-202x, Supplement 1 to North American Standard for the Design of Profiled Steel Diaphragm Panels (supplement to ANSI/SDI AISI S310-2023)

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 1500 gl-202x, Optical measurements terminology (related to appearance evaluation of paper) (revision of ANSI/TAPPI T 1500 gl-2018)

### ULSE (UL Standards and Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | Jacob.Stewart@ul.org, https://ulse.org/

BSR/UL 1123-202x, UL Standard for Safety for Marine Buoyant Devices (revision of ANSI/UL 1123-2024)

### ULSE (UL Standards and Engagement)

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

BSR/UL/ULC 180-202x, Combustible Liquid Tank Accessories (revision of ANSI/UL 180-2023)

### ULSE (UL Standards and Engagement)

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

BSR/UL/ULC 1316-202x, Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL/ULC 1316-2019 (R2024))

### VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 93.0-202x, QMC - Small Form Factor Mezzanine Draft Standard (new standard)

# Call for Comment of ANS Limited Substantive Changes

## ANSI Accredited Standards Developers

### MSS - Manufacturers Standardization Society

**ANSI/MSS SP-135-2021 - 30-Day Comment Deadline By June 23, 2025**

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **June 23, 2025**

## ANSI/MSS SP-135-2021

*High Pressure Knife Gate Valves*

(revision of ANSI/MSS SP-135-2016)

This Standard Practice covers the construction requirements for wafer- and flange-type knife gate valves made from ASME Code materials and meeting the applicable gate valve requirements of ASME B16.34. This Standard Practice covers flanged body designs compatible with ASME B16.5 flanges for NPS 2 (DN 50) through NPS 24 (DN 600) and ASME B16.47 Series A flanges for NPS 26 (DN 650) through NPS 48 (DN 1200). As an alternative to Section 1.1, this Standard Practice also covers valves that do not meet the body wall thickness of ASME B16.34 but shall be qualified by analysis per Boiler and Pressure Vessel Code (BPVC), Section VIII, Division 2, Part 5 or by a proof test per BPVC, Section, VIII, Division 1, UG-101. The Class 150, 300, and 600 dimensional, material, and other requirements of this Standard Practice, shall apply to these valves.

Send comments (with optional copy to psa@ansi.org) to: standards@msshq.org

Click here to view these changes in full

# 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

# American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

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.

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

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# 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 the USNC/IEC team at ANSI's New York offices (usnc@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

### Ageing societies (TC 314)

ISO/DIS 25553, Ageing Societies - Framework for smart multigenerational neighbourhoods - Requirements and recommendations - 8/2/2025, $155.00

### Air quality (TC 146)

ISO/DIS 16702, Workplace air quality - Determination of total organic isocyanate groups in air using 1-(2-methoxyphenyl) piperazine and liquid chromatography - 8/4/2025, $98.00

### Biotechnology (TC 276)

ISO/DIS 23494-1, Biotechnology - Provenance information model for biological material and data - Part 1: Design concepts and general requirements - 8/3/2025, $62.00

ISO/DIS 23494-2, Biotechnology - Provenance information model for biological material and data - Part 2: Common Provenance Model - 8/2/2025, $125.00

### Carbon dioxide capture, transportation, and geological storage (TC 265)

ISO/DIS 27916, Carbon dioxide capture, transportation and geological storage - Carbon dioxide storage using enhanced oil recovery (C02-EOR) - 8/3/2025, $125.00

### Essential oils (TC 54)

ISO/DIS 24609.2, Essential oil of carrot seed (Daucus carota L.) - 5/26/2025, $40.00

### Fertilizers and soil conditioners (TC 134)

ISO/DIS 5314, Fertilizers - Determination of ammoniacal nitrogen content - Titrimetric method after distillation - 8/3/2025, $67.00

### Fluid power systems (TC 131)

ISO 6358-1:2013/DAmd 2, - Amendment 2: Pneumatic fluid power - Determination of flow-rate characteristics of components using compressible fluids - Part 1: General rules and test methods for steady-state flow - Amendment 2: Annex C - Evaluation of measurement uncertainty - 8/4/2025, $40.00

ISO 6358-2:2019/DAmd 1, - Amendment 1: Pneumatic fluid power - Determination of flow-rate characteristics of components using compressible fluids - Part 2: Alternative test methods - Amendment 1: Annex A - Evaluation of measurement uncertainty - 8/4/2025, $46.00

### Geographic information/Geomatics (TC 211)

ISO/DIS 19157-3, Geographic information - Data quality - Part 3: Data quality measures register - 8/1/2025, $88.00

### Indirect, temperature-controlled refrigerated delivery services – land transport of parcels with intermediate transfer (TC 315)

ISO/DIS 31513, Temperature validation methods of temperature-controlled storage and land transport - 8/3/2025, $62.00

### Mechanical contraceptives (TC 157)

ISO/DIS 11249, Copper-bearing intrauterine contraceptive devices - Guidance on the design, execution, analysis and interpretation of clinical studies - 8/7/2025, $82.00

### Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 15384, Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing - 8/4/2025, $67.00

### Plastics (TC 61)

ISO/DIS 877-3, Plastics - Methods of exposure to solar radiation - Part 3: Intensified weathering using concentrated solar radiation - 8/1/2025, $58.00

ISO/DIS 19062-2, Plastics - Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 8/4/2025, $46.00

**Rubber and rubber products (TC 45)**

ISO/DIS 7663, Halogenated isobutene-isoprene rubber (BIIR and CIIR) - Evaluation procedures - 8/2/2025, $46.00

ISO/DIS 21396, Rubber - Determination of the mass concentration of tyre and road wear particles (TRWP) in soil and sediment - Pyrolysis-gas chromatography/mass spectrometry (GC/MS) method - 8/1/2025, $93.00

**Security (TC 292)**

ISO/DIS 22353, Security and resilience - Guidelines for crowd management - 8/2/2025, $88.00

**Steel (TC 17)**

ISO/DIS 629, Steel and cast iron - Determination of manganese content - Spectrophotometric method - 8/1/2025, $40.00

**Textiles (TC 38)**

ISO/DIS 9092, Nonwovens - Vocabulary - 8/4/2025, $33.00

ISO/DIS 20999, Textiles - Determination of total halogens from textile products - Method using combustion and ion chromatography (C-IC) - 8/2/2025, $53.00

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

ISO/DIS 11040-8, Prefilled syringes - Part 8: Requirements and test methods for finished prefilled syringes - 8/3/2025, $88.00

**Water quality (TC 147)**

ISO/DIS 5667-15, Water quality - Sampling - Part 15: Preservation and handling of samples of sludge, sediment and suspended matter - 8/2/2025, $98.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23090-5, Information technology - Coded representation of immersive media - Part 5: Visual volumetric video-based coding (V3C) and video-based point cloud compression (V-PCC) - 8/1/2025, $245.00

ISO/IEC DIS 23090-14/DAmd 1, Information technology - Coded representation of immersive media - Part 14: Scene description - Amendment 1: Support of MPEG-I audio, scene understanding and other extensions - 8/4/2025, $71.00

ISO/IEC DIS 29110-5-3, Systems and software engineering - Life cycle profiles for very small entities (VSEs) - Part 5-3: Service delivery guidelines - 8/4/2025, $107.00

# IEC Standards

**Automatic controls for household use (TC 72)**

72/1488/FDIS, IEC 60730-2-12 ED4: Automatic electrical controls - Part 2-12: Particular requirements for electrically operated door locks, 06/27/2025

72/1487/FDIS, IEC 60730-2-13 ED4: Automatic electrical controls - Part 2-13: Particular requirements for humidity sensing controls, 06/27/2025

72/1486/FDIS, IEC 60730-2-6 ED4: Automatic electrical controls - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements, 06/27/2025

**Documentation and graphical symbols (TC 3)**

3/1731/NP, PNW 3-1731 ED1: Generic specification of information of products by properties - Part 2: Structure of specification, 08/08/2025

**Electric road vehicles and electric industrial trucks (TC 69)**

69/1050(F)/FDIS, IEC 63119-1 ED2: Information exchange for electric vehicle charging roaming service - Part 1: General, 05/30/2025

69/1057/FDIS, IEC 63380-2 ED1: Standard Interface for Connecting Charging Stations to Local Energy Management Systems - Part 2 Specific Data Model Mapping, 06/27/2025

**Electric traction equipment (TC 9)**

9/3220(F)/FDIS, IEC 63341-2 ED1: Railway applications - Hydrogen and fuel cell systems for rolling stock - Part 2: Hydrogen fuel system, 06/06/2025

**Electrical accessories (TC 23)**

23B/1573(F)/FDIS, IEC 61995-1 ED2: Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements, 05/30/2025

23B/1574(F)/FDIS, IEC 61995-2 ED2: Devices for the connection of luminaires for household and similar purposes - Part 2: Standard sheets, 05/30/2025

23B/1577/NP, PNW TS 23B-1577 ED1: Direct current (DC) plugs and socket-outlets for household and similar purposes - Part 1: General requirements, 08/08/2025

23B/1578/NP, PNW TS 23B-1578 ED1: Direct current(DC)plugs and socket-outlets for household and similar purposes - Part 2: Standard sheets and gauges, 08/08/2025

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

18/1980/FDIS, IEC 60092-301 ED4: Electrical installations in ships - Part 301: Equipment - Generators and motors, 06/27/2025

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

104/1107(F)/FDIS, IEC 60068-2-1 ED7: Environmental testing - Part 2-1: Tests - Test A: Cold, 05/30/2025

104/1108(F)/FDIS, IEC 60068-2-2 ED6: Environmental testing - Part 2-2: Tests - Test B: Dry heat, 05/30/2025

104/1109(F)/FDIS, IEC 60068-2-78 ED3: Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state, 05/30/2025

**Environmental standardization for electrical and electronic products and systems (TC 111)**

111/822A/CD, IEC 63333-3 ED1: Assessment of circular content in products - Part 3: Proportion of recycled materials, 05/30/2025

**Fibre optics (TC 86)**

86A/2573(F)/FDIS, IEC 60794-1-119 ED1: Optical fibre cables - Part 1-119: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Aeolian Vibration, Method E19, 06/06/2025

86A/2587/FDIS, IEC 60794-1-218 ED1: Optical fibre cables - Part 1-218: Generic specification - Basic optical cable test procedures - Environmental test methods - Mid-span temperature cycling test for exposed optical units, Method F18, 06/27/2025

86A/2558/CDV, IEC 60794-1-302 ED1: Optical fibre cables - Part 1-302: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions and geometry - Visual method, Method G2, 07/11/2025

86B/5071/CD, IEC 61753-382-02 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 382-2: Non-connectorized single-mode bidirectional G-PON-NGA WWDM devices for category C - Controlled environment, 07/11/2025

86B/5072/CD, IEC 63267-3-1 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macrobend multimode fibres - Part 3-1: Connector parameters of physically contacting 50 µm core diameter fibres - Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 07/11/2025

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

110/1757/CDV, IEC 62908-12-10 ED3: Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, 08/08/2025

**Industrial-process measurement and control (TC 65)**

65A/1178/FDIS, IEC 61512-1 ED2: Batch control - Part 1: Models and terminology, 06/27/2025

65E/1165/CDV, IEC 62264-4 ED2: Enterprise-control system integration - Part 4: Objects models attributes for manufacturing operations management integration, 08/08/2025

**Nuclear instrumentation (TC 45)**

45/1001/CDV, IEC 63506 ED1: Calibration of the prompt fission neutron logging tools, 08/08/2025

45/1002/CDV, IEC 63589-1 ED1: Linear accelerator - Electron linear accelerator for radiation processing - Part 1: General requirement and testing method, 08/08/2025

**Performance of household electrical appliances (TC 59)**

59L/290/CDV, IEC 61254 ED2: Electric shavers for household use - Evaluation of experience and user satisfaction, 08/08/2025

59F/529/NP, PNW 59F-529 ED1: Surface cleaning appliances - Part XX: Cleaning machines for commercial use - Requirements for conducting a life cycle assessment (LCA), 07/11/2025

**Power electronics (TC 22)**

22E/290/CDV, IEC 63497 ED1: Shunt-Connected Active Correction Devices (ACD), 08/08/2025

**Power system control and associated communications (TC 57)**

57/2786/DTR, IEC TR 61850-90-20 ED1: Communication networks and systems for power utility automation - Part 90-20: Guideline to redundancy systems, 07/11/2025

57/2785/CD, IEC TS 62351-15 ED1: Power systems management and associated information exchange - Data and communications security - Part 15: Deep Packet Inspection (DPI) of encrypted communications, 07/11/2025

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

116/896/CDV, IEC 62841-3-17 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-17: Particular requirements for transportable table masonry saws, 08/08/2025

**Safety of machinery - Electrotechnical aspects (TC 44)**

44/1061/FDIS, IEC 61496-3 ED4: Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR), 06/27/2025

**Semiconductor devices (TC 47)**

47F/512/NP, PNW 47F-512 ED1: Micro-electromechanical systems-Part 57: RF MEMS Directional Coupler, 08/08/2025

**Standard voltages, current ratings and frequencies (TC 8)**

8B/249/CD, IEC TS 63427 ED1: Guideline for the adjustment potential evaluation of demand side resources, 07/11/2025

**Surge arresters (TC 37)**

37A/432/FDIS, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Requirements and test methods, 06/27/2025

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

121/224/FDIS, IEC 62683-2-2 ED1: Low-voltage switchgear and controlgear - Product data and properties for information exchange - Engineering data - Part 2-2: Switchgear and controlgear assembly objects for building information modelling, 06/27/2025

**(TC )**

CIS/D/507(F)/FDIS, CISPR 12 ED7: Vehicles, boats and devices with internal combustion engines or traction batteries - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers, 05/30/2025

**UHV AC transmission systems (TC 122)**

122/196/CD, IEC TR 63042-203 ED1: Evaluation of Lightning Protection Performance of UHV AC Transmission Lines, 07/11/2025

**Ultrasonics (TC 87)**

87/902/CD, IEC TS 63588 ED1: Ultrasonics - Field characterization - Specification and measurement of field parameters at high pressure therapeutic levels in water, 08/08/2025

**Wearable electronic devices and technologies (TC 124)**

124/321/CDV, IEC 63203-201-4/AMD1 ED1: Amendment 1 - Wearable electronic devices and technologies - Part 201-4: Electronic textile - Test method for determining sheet resistance of conductive fabrics after abrasion, 08/08/2025

**Wind turbine generator systems (TC 88)**

88/1101/CD, IEC TS 61400-28-2 ED1: Decommissioning and preparation for recycling, 07/11/2025

88/1098/NP, PNW TS 88-1098 ED1: Wind energy generation systems - Part 80: Airborne Wind Energy Systems (AWES) (proposed IEC TS 61400-80), 08/08/2025

88/1099/NP, PNW TS 88-1099 ED1: Wind energy generation systems - Part 12-80: Power performance measurements of electricity producing Airborne Wind Energy Systems (AWES) (Proposed IEC TS 61400-12-80), 08/08/2025

## ISO/IEC JTC 1, Information Technology

**(TC )**

JTC1-SC41/511/CD, ISO/IEC 30202 ED1: Internet of Things (IoT) - General requirements of IoT system for seized asset management, 07/11/2025

# Newly Published ISO & IEC Standards

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

## ISO Standards

**Acoustics (TC 43)**

ISO 13472-2:2025, Acoustics - Measurement of sound absorption properties of road surfaces in situ - Part 2: Spot method for reflective surfaces, $172.00

**Air quality (TC 146)**

ISO 12219-11:2025, Interior air of road vehicles - Part 11: Thermal desorption analysis of organic emissions for the characterization on non-metallic materials for vehicles, $201.00

**Analysis of gases (TC 158)**

ISO 14912:2025, Gas analysis - Conversion of gas mixture composition data, $259.00

**Microbeam analysis (TC 202)**

ISO 25498:2025, Microbeam analysis - Analytical electron microscopy - Selected area electron diffraction analysis using a transmission electron microscope, $230.00

**Optics and optical instruments (TC 172)**

ISO 19741:2025, Optics and photonics - Optical materials and components - Test method for striae in infrared optical materials, $84.00

**Paints and varnishes (TC 35)**

ISO 16276-2:2025, Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 2: Cross-cut testing and X-cut testing, $84.00

**Photography (TC 42)**

ISO/PAS 18940-1:2025, Imaging materials - Image permanence specification of reflection photographic prints for indoor applications - Part 1: Test methods, $127.00

**Plastics (TC 61)**

ISO 4504:2025, Plastics - Polyethylene (PE) - Determination of co-monomer content by solution state 13C-NMR spectrometry, $201.00

ISO 18177:2025, Plastics - Test method for estimation of the short chain branching distribution of semicrystalline ethylene 1-olefin copolymers - Differential scanning calorimetry (DSC), $172.00

**Rubber and rubber products (TC 45)**

ISO 2007:2025, Rubber, unvulcanized - Determination of plasticity - Rapid-plastimeter method, $84.00

**Solid mineral fuels (TC 27)**

ISO 157:2025, Coal - Determination of forms of sulfur, $127.00

ISO 609:2025, Coal and coke - Determination of carbon and hydrogen - High temperature combustion method, $127.00

ISO 10329:2025, Hard coal - Determination of plastic properties - Constant-torque Gieseler plastometer method, $127.00

**Steel (TC 17)**

ISO 5002:2025, Hot-rolled and cold-reduced electrolytic zinc-coated carbon steel sheet of commercial and drawing qualities, $127.00

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

ISO 7176-25:2022/Amd 1:2025, - Amendment 1: Wheelchairs - Part 25: Lead-acid batteries and chargers for powered wheelchairs - Requirements and test methods - Amendment 1: Range of charging voltage and range of the minimum and maximum rated DC output voltage for testing, $23.00

**Tourism and related services (TC 228)**

ISO 11956:2025, Adventure tourism - Cyclotourism - Requirements and recommendations, $230.00

## ISO Technical Reports

**Building construction (TC 59)**

ISO/TR 16214:2025, Review of geospatial and building information modelling (BIM) terminological entries, $230.00

**Chain of custody of wood and wood-based products (TC 287)**

ISO/TR 25078:2025, Wood and wood-based products - Examples of calculating displacement potentials for wood-based products and considerations for further analyses, $172.00

ISO/TR 25080:2025, Wood and wood-based products - Background and examples of calculating contributions to carbon stored in harvested wood products (HWP), $201.00

### ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 10822-1:2025, Cloud computing - Multi-cloud management - Part 1: Overview and use cases, $259.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC 27031:2025, Cybersecurity - Information and communication technology readiness for business continuity, $201.00

ISO/IEC 9594-1:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 1: The Directory: Overview of concepts, models and services - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-2:2020/Amd 2:2025, - Amendment 2: Information technology - Open systems interconnection - Part 2: The Directory: Models - Amendment 2: Miscellaneous enhancements, $201.00

ISO/IEC 9594-3:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 3: The Directory: Abstract service definition - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-4:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 4: The Directory: Procedures for distributed operation - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-5:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 5: The Directory: Protocol specifications - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-6:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types - Amendment 1, $230.00

ISO/IEC 9594-7:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 7: The Directory: Selected object classes - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-8:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-9:2020/Amd 1:2025, - Amendment 1: Information technology - Open systems interconnection - Part 9: The Directory: Replication - Amendment 1: Miscellaneous enhancements, $23.00

ISO/IEC 9594-12:2025, Information technology - Open systems interconnection - Part 12: The Directory: Key management and public-key infrastructure establishment and maintenance, $287.00

ISO/IEC 14496-34:2025, Information technology - Coding of audio-visual objects - Part 34: Syntactic description language, $259.00

ISO/IEC TS 6010:2025, Programming languages - C - A provenance-aware memory object model for C, $172.00

## IEC Standards

**Automatic controls for household use (TC 72)**

IEC 60730-2-8 Ed. 4.0 b:2025, Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements, $361.00

IEC 60730-2-8 Ed. 4.0 en:2025 EXV, Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements, $1150.00

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

IEC 61196-1-101 Ed. 2.0 en:2025, Coaxial communication cables - Part 1-101: Electrical test methods - Test for conductor DC resistance of cable, $26.00

**Electric traction equipment (TC 9)**

IEC 62590-1 Ed. 1.0 b:2025, Railway applications - Electronic power converters for fixed installations - Part 1: General requirements, $412.00

**Fibre optics (TC 86)**

IEC 61754-36 Ed. 1.0 b:2025, Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 36: Type SAC connector family, $322.00

IEC 61300-3-46 Ed. 2.0 b:2025, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-46: Examinations and measurements - Bore diameter in rectangular ferrules, $52.00

### IEC Technical Specifications

**Electrical Energy Storage (EES) Systems (TC 120)**

IEC/TS 62933-2-3 Ed. 1.0 en:2025, Electric Energy Storage (EES) Systems - Part 2-3: Unit parameters and testing methods - Performance assessment test during site operation, $148.00

**Safety of household and similar electrical appliances (TC 61)**

IEC/TS 63457-1 Ed. 1.0 en:2025, Household and similar appliances - Subsequent safety testing after repair, refurbishment, and remanufacturing - Part 1: General requirements, $258.00

**(TC 123)**

IEC/TS 63224 Ed. 1.0 en:2025, Management of network assets in power systems - Management aspects, $322.00

# Registration of Organization Names in the United States

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

## Public Review

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

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

# Proposed Foreign Government Regulations

## Call for Comment

U.S. manufacturers, exporters, 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 z**
**to ANSI/ASHRAE Standard 15-2024**

**Second Public Review Draft**

# Proposed Addendum z to Standard 15-2024, Safety Standard for Refrigeration Systems

**Second Public Review (February 2025)**
**(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)**

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

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

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



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

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

## FOREWORD

*This proposed addendum better harmonizes the requirements for Group A2L refrigerants in Sections 7.6 and 7.7. It specifically better aligns the requirements on refrigerant charge limits and ventilation.*

---

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

**Addendum z to Standard 15-2024**

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

## 7. RESTRICTIONS ON REFRIGERANT USE

[ … ]

**7.7* High-Probability Commercial Refrigeration Systems Using Group A2L Refrigerants.**

[ … ]

7.7.2.1 Where a *high-probability refrigeration system* using Group A2L *refrigerants* has either

a. *air circulation* initiated by a *refrigerant detector* in compliance with Section 7.6.2.4 or

b. continuous *air circulation*,

*EDVC* shall be calculated in accordance with Section 7.6.1.1. Control of continuous *air circulation shall* be performed by the *listed* equipment and *shall* operate continuously other than for short periods for maintenance and service.

7.7.2.2 For any *high-probability refrigeration system* not meeting the requirements of Section 7.7.2.1, *EDVC* shall be calculated in accordance with Section 7.3.1. The floor area used to calculate the value of *effective dispersal volume*, $V_{eff}$, used in Equation 7-8 *shall* be the smaller of 2,691 ft2 (250 m2) or the actual floor area of the space into which *refrigerant* disperses.

[ … ]

**Note to Reviewer:** The following content shows a clean copy of how modified sections of this standard would appear after incorporating updates from the 2022 to 2024 edition, and the net effect of accepted changes from PPR1 and the associated approved comment responses. This includes items that are not independent substantive changes, and that are not open for review.

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

## 7. RESTRICTIONS ON REFRIGERANT USE

[ … ]

**7.7* High-Probability Commercial Refrigeration Systems using Group A2L Refrigerants.** *High-probability systems* using Group A2L *refrigerants* for commercial refrigeration applications within the scope of UL 60335-2-89 [7]/CSA C22.2 No. 60335-2-89 [8] *shall* comply with this section.

**7.7.1 Refrigerant Charge Limits.** *Refrigerant* charge *shall* be limited as follows:

a. *Refrigeration systems* containing a *releasable refrigerant charge* more than 0.141 × *LFL* (lb) (4 × *LFL* [kg]) in an *independent circuit shall not* be installed within 20 ft (6 m) of an open flame.

[ … ]

**7.7.2 Refrigerant Quantity Limits**

7.7.2.1 Where a *high-probability refrigeration system* using Group A2L *refrigerants* has either

a. *air circulation* initiated by a *refrigerant detector* in compliance with Section 7.6.2.4 or

b. continuous *air circulation*,

*EDVC* shall be calculated in accordance with Section 7.6.1.1. Control of continuous *air circulation shall* be performed by the *listed* equipment and *shall* operate continuously other than for short periods for maintenance and service.

7.7.2.2 For any *high-probability refrigeration system* not meeting the requirements of Section 7.7.2.1, *EDVC* shall be calculated in accordance with Section 7.3.1. The floor area used to calculate the value of *effective dispersal volume*, $V_{eff}$, used in Equation 7-8 *shall* be the smaller of 2,691 ft$^2$ (250 m$^2$) or the actual floor area of the space into which *refrigerant* disperses.

7.7.2.3 Mechanical ventilation for *refrigerant* safety mitigation *shall* comply with section 7.6.4.

[ … ]

# IIAR HC-202x

## Safety Standard for Closed-Circuit Refrigeration Systems Utilizing Hydrocarbon Refrigerants

## IIAR HC

## Public Review #3 Draft

## Working Document

Only striked-through [(removals) e.g., ~~heat~~]
or underlined [(additions) e.g., mixtures]
can be commented on.

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# Safety Standard for Closed-Circuit Refrigeration Systems Utilizing Hydrocarbon Refrigerants

## Chapter 1. Purpose, Scope, and Applicability

**1.2 Scope.**

1.2.2 This standard also applies to:

1. *The part of closed-circuit refrigeration systems utilizing a hydrocarbon as the lowside or highside refrigerant within a cascade system.

Appendix A, Section A.1.2.2, Item 1:

**A.1.2.2, Item 1:** The standard only applies to stationary closed-circuit refrigeration systems where a hydrocarbon is used as a refrigerant or secondary fluid and not as a fossil fuel for ~~heating~~ combustion.

---

1.2.3 This standard does not apply to:

5. Refrigerant mixtures, including mixtures containing refrigerants listed in Section 1.2.1.

## Chapter 2. Definitions

**2.1** General. Definitions shall be in accordance with this chapter and ANSI/IIAR 1-2022, *American National Standard for Definitions and Terminology Used in IIAR Standards*.

**Fail Safe:** Is a design feature that, in the event of a failure of the electrical control system, inherently responds in a way that will cause minimal or no harm to other equipment, to the environment, or to personnel.

## Chapter 6. Machinery Rooms

**6.2 Construction.** Machinery rooms shall be constructed in accordance with the building code and the requirements of this section.

6.2.1 ***Separation and Fire Protection.** The machinery room shall be separated from the remainder of the building by tight-fitting construction having a one-hour fire-resistance rating. Doors shall comply with Section 6.10.

Appendix A, Section A.6.2.1:

**A.6.2.1** See Section 6.6 for requirements related to doors and Section 6.4.2 for pipe penetrations. Also see the definitions of tight construction and tight-fitting door in IIAR-1.

Designers may choose to install deflagration vents to provide additional protection in a machinery room. Deflagration venting involves the provision of a predesigned escape route to vent the combustion gases and pressures from within a building or structure so that structural or mechanical damage is minimized after a deflagration event. If deflagration vents are installed, they should be designed at a ratio of not less than 0.09 $m^2$ (1$ft^2$) of vent area for 0.85 $m^3$ (30 $ft^3$) of room volume. In addition, the deflagration vents should relieve to a safe location to avoid injury to personnel and to minimize property damage.

## 6.7 Electrical Safety

6.7.1 **Hazardous (Classified) Locations.** Machinery rooms shall be designated as not less than NFPA 70, *National Electrical Code* (NEC), Class 1, Division 2 Hazardous (Classified) Locations, and electrical equipment installed or used in machinery rooms shall be designed to meet this requirement.

~~**EXCEPTION:** Areas within 5 ft (1.5 m) in all directions from connections which will be specifically used for refrigeration system refrigerant loading or unloading shall be designated as not less than NFPA 70, National Electrical Code (NEC), Class 1, Division 1 Hazardous (Classified) Locations, and electrical equipment installed or used withing these areas shall be designed to meet this requirement.~~

~~**EXCEPTION:** Areas within 5 ft (1.5 m) in all directions from piping and connections which will be used for operational bleeds, drips, vents, or drains shall be designated as not less than NFPA 70, National Electrical Code (NEC), Class 1, Division 1 Hazardous (Classified) Locations, and electrical equipment installed or used withing these areas shall be designed to meet this requirement.~~

## 6.10 Entrances and Exits

~~6.10.5 **Windows.** Windows installed in the machinery rooms shall be designed to withstand pressures greater than the burst pressure of the deflagration venting required by Section 6.16.~~

 

~~**6.16 Deflagration Venting.**~~

~~6.16.1 Deflagration venting shall be provided in all machinery rooms.~~

~~**EXCEPTION:** In machinery rooms where deflagration venting cannot be installed, a deflagration suppression system that meets the requirements of NFPA 69, Standard on Explosion Prevention Systems, shall be installed.~~

~~6.16.2 Deflagration venting shall be designed at a ratio of not less than 0.09 $m^2$ (1$ft^2$) of vent area for 0.85 $m^3$ (30 $ft^3$) of room volume.~~

~~6.16.3 Deflagration vents shall relieve to a safe location to avoid injury to personnel and to minimize property damage.~~

# Chapter 7. Refrigeration Equipment Located Outdoors

7.2.7 **Electrical Safety.**

7.2.7.1 **Hazardous (Classified) Locations.** The area within 15 feet (4.6 m) in all directions from the refrigeration equipment shall be designated as not less than a NFPA 70, *National Electrical Code* (NEC), Class 1, Division 2 Hazardous (Classified) Location, and electrical equipment installed or used within 15 feet (4.6 m) shall be designed to meet this requirement.

~~**EXCEPTION:** Electrical equipment installed or used within 5 ft. (1.5 m) in all directions from connections used to charge or pump down a refrigeration system shall be designed to meet NFPA 70, *National Electrical Code* (NEC), Class 1, Division 1 Hazardous (Classified) requirements.~~

# Chapter 12. Instrumentation and Controls

**12.3 *Electric and Pneumatic Sensor Controls.** Sensing devices that initiate control pulses or signals for refrigeration systems shall comply with this section.

12.3.1 ***Design.** Sensing devices that initiate control pulses or signals shall have a design pressure that is not less than the design pressure required by Section 5.4, ~~and~~ shall be in accordance with the ultimate strength requirement in Section 5.13.2, and shall be designed to fail safe.

Appendix A, Section A.12.3.1:

**A.12.3.1** An example of a sensing device that should be designed to fail safe is a high-liquid-level shutdown system that is designed to prevent the carryover of liquid refrigerant to compressors. If the

high-liquid-level shutdown system were to fail, a control should be activated to cause the associated compressors to shut down until the failed component is repaired or replaced.

# Chapter 13. Refrigerant Detection and Alarms

## 13.2 Installation Design Requirements.

13.2.5 *__Detection System.__ The system shall be designed to fail safe and activate an appropriate response until repair or replacement of the failed component.

Appendix A, Section A.13.2.5:

**A.13.2.5** An example of a detection system that should be designed to fail safe is a Level 1 hydrocarbon detection system. If a Level 1 detection system were to fail, an alarm that reports to a monitored location should be activated until the failed component is repaired or replaced.

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

**Heater-Use Power-Supply Cords, New Requirements**

## PROPOSALS

7.4.2.2 A welded electrical connection of a heater use attachment plug shall comply with the following:

a) The welded connection shall be mechanically secured before being welded. A welded connection that is crimped before being welded is considered to be mechanically secured, and

b) Welding shall be applied at ~~within~~ zone **X** shaded area in Figure 7.6:

10.17.2 Heater-use power-supply cord sets shall employ flexible cord of the Type S, SJ, SJO, SJT, SJTO, SO, SP, SPT, SRDT, ST, STO, SV, SVO, SVT, SVTO, HPD, HPN, HS, HSJ, HSJO, or HSO as applicable for intended application or shall be of type having such properties that it will be at least equally serviceable for the particular application. Cord types provided with the suffix "-R" shall be permitted.

22.10 Unless specifically indicated otherwise, all markings in Sections 23 – ~~34~~ 35, inclusive, that are required to be attached to the flexible cord shall be suitable for the intended cord type, and be rated for the intended environmental conditions, such as indoor use or outdoor use or exposure to oil. The markings shall be considered permanent, tear-resistant, and legible in compliance with:

a) Section 16, Test for Permanence of Warning Tag; or

b) UL 969A and rated for limited slippage.

22.11 Unless specifically indicated otherwise, all markings in Sections 23 – ~~34~~ 35, inclusive, required to be provided on an enclosure shall be considered permanent and legible if it is:

a) Die-stamped into the unit;

b) Molded as part of the unit; or

c) Indelibly stamped or printed on a tag or pressure sensitive adhesive-backed label. An adhesive-backed label shall comply with the requirements in UL 969, and be for the temperature, type of surface, and environment, such as indoor or outdoor, for which it is intended.

**~~35~~ ~~33~~ Heater-Use Power-Supply Cords**

~~35.1~~ ~~33.1~~ The face of the attachment plug shall be permanently and legibly marked ~~"Heater Use" and~~ with a red dot. The red dot shall be ink stamped, painted, or otherwise applied in a manner determined to be indelible, shall be a minimum of 4.8 mm (3/16 inch) and a maximum of 6.4 mm (1/4 inch) in diameter, and shall be a contrasting shade of red if on a red-bodied device. ~~One or both markings on the face of the plug shall be permitted. The marking "Heater Use" shall also be permitted on other external surfaces of the plug.~~

~~*Exception: The manufacturer may abbreviate "Heater Use" with "H-U" or "Heater".*~~

~~33.2 The red dot shall be a minimum of 4.8 mm (3/16 inch) and a maximum of 6.4 mm (1/4 inch) in diameter and shall be a contrasting shade of red if on a red-bodied device. Additionally, the dot shall be ink stamped, painted, or otherwise applied in a manner determined to be indelible. A label or sticker marked with the red dot shall be accompanied by the marking "Heater Use" and shall be attached by an adhesive or other means to the device so that it is not readily removable without destroying its significance if reapplied.~~

35.2 The attachment plug shall be marked on any surface with the marking "Heater Use", "Heater", or "H-U".

35.3 In addition to the markings required in 35.1 and 35.2, a label marked with the red dot and the marking “Heater Use”, “Heater”, or “H-U” shall be permitted. When provided, the label shall be attached by an adhesive or other means to the device or on a tag attached to the flexible cord such ~~so~~ that it is not readily removable without destroying its significance if reapplied.

**Limited substantive changes to:**

**ANSI/MSS SP-135-2021, High Pressure Knife Gate Valves**

**Send comments on these revisions only by the comment deadline to:** standards@msshq.org

NOTE THE FOLLOWING CORRECTIONS (UNDERLINED):

- Page 6, Table 1, ASME Class 150 Valve Dimensions, Inches. Correct the data under Bolt Circle Diameter column for the NPS 16 row to read as “21.25” instead of “21.75”.

- Page 7, Table 1M, ASME Class 150 Valve Dimension, Millimeters. Correct the data under the Bolt Circle Diameter column for the NPS 12 row to read as “431.8” instead of “421.8”. No other corrections.