ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 W43RD STREET NY, NY 10036

VOL. 55, NO. 42 OCTOBER 18, 2024

CONTENTS

ISSN 0038-9633

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.

ABTG (Applied Building Technology Group)

Mindy Caldwell <mcaldwell@qualtim.com> | 6300 Enterprise Lane | Madison, WI 53719 www.appliedbuildingtech.com

Revision

BSR/ABTG FS 100-202x, Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (revision of ANSI/SBCA FS 100-2012 (R2018))
Stakeholders: Foam sheathing manufacturers, chemical suppliers, building component manufacturers, energy code users, builders, designers, codes officials, framers, DOE

Project Need: Revision in accordance with ANSI procedures.

Interest Categories: User, Producer and General Interest

This standard establishes wind pressure resistance requirements for Foam Plastic Insulating Sheathing (FPIS) products used as exterior wall sheathing, including use as continuous insulation, in exterior wall covering assemblies.

API (American Petroleum Institute)

Lanaya Bankins <bankinsl@api.org> | 200 Massachusetts Avenue | Washington, DC 20001 www.api.org

Revision

BSR/API MPMS Chapter 21.1 3rd Ed.-202X, Flow Measurement Using Electronic Metering Systems - Electronic Gas Measurement (revision of ANSI/API MPMS Ch. 21.1-2011 (R2021))
Stakeholders: Hydrocarbon measurement companies, oil extraction lessors, manufacturers of hydrocarbon measurement technology, operators of hydrocarbon measurement technology, hydrocarbon extraction operators, government agencies.

Project Need: To update the current standard to include additional averaging methods, incorporating recalculation methodologies for each and guidance for the user to implement the averaging methods. These additional methods will increase industry options in the use for diagnostics, issue identification, and business process needs.

Interest Categories: Manufacturer-Service Supplier, Operator-User, General Interest

This standard describes the minimum specifications for electronic gas measurement systems used in the measurement and recording of flow parameters of gaseous phase hydrocarbon and other related fluids for custody transfer applications utilizing industry recognized primary measurement devices.

AWS (American Welding Society)

Stephen Borrero <sborrero@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

New Standard

BSR/AWS G2.6M/G2.6-202x, Guide for the Welding and DED Additive Manufacturing (AM) of Tool Steels Exposed to High Temperatures (new standard)
Stakeholders: Tool and die manufacturers (small machine shops), automotive OEMs' die manufacturing and maintenance operations, industrial forging OEMs, hot work tool steel suppliers, welding and DED AM equipment suppliers, and consumable suppliers.

Project Need: This document is needed to address a lack of data when using AWS D20 and other metal AM standards since AM material properties must be specified before machines and procedures can be qualified, and components can be produced. This guide fills a property data gap for different process – filler material combinations that can be used for additive manufacturing hot work tooling. This guide will address both fusion welding and DED AM.

Interest Categories: User, Producer, General Interest, Educator

The purpose of this standard is to develop recommended practices for welding and Directed Energy Deposition (DED) additive manufacturing of tool steels exposed to high temperatures widely used to make die casting dies, forging dies, hot forming dies, and high temperature molds used in forging and casting operations. DED AM uses fusion welding processes (arc, laser, and electron beam) to digital manufacture or repair. It will provide recommendations for tool steel alloys, substrate base materials, electrode/rod/wire consumables, fusion welding and DED AM processes, AM build methods, and heat treatment. It will also focus on process derivatives using electrode/rod/wire consumables rather than powder since use of the latter is not core to AWS standards.

NAAMM (National Association of Architectural Metal Manufacturers)

Ike Flory <ifnaamm@gmail.com> | 1533 Pine Grove Lane | Chesapeake, VA 23321 www.naamm.org

Revision

BSR/NAAMM MBG 533-2X-202X, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (revision of ANSI/NAAMM MBG 533-2021)
Stakeholders: Engineers, architects, manufacturers, building owners, municipalities.

Project Need: The NAAMM Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating provide architects and engineers with current technical data on bar grating and stair treads. The information presented is based on sound engineering principles and reflects practices recommended by leading manufacturers in the industry.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products. General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

This welding standard is being revised by the MBG Division of NAAMM to provide the most current opinions and guidance for architects and engineers. This is supported by current technical data on bar grating and stair treads.

NAAMM (National Association of Architectural Metal Manufacturers)

Ike Flory <ifnaamm@gmail.com> | 1533 Pine Grove Lane | Chesapeake, VA 23321 www.naamm.org

Revision

BSR/NAAMM MBG 534-2X-202x, Metal Bar Grating Engineering Design Manual (revision of ANSI/NAAMM MBG 534 -2024)
Stakeholders: Engineers, architects, manufacturers, building owners, municipalities.

Project Need: This Metal Bar Grating Engineering Design Manual sets forth procedures used in design calculations for metal bar gratings. Table entries are in need of updating to more clearly identify the correlation with ANSI/NAAMM MBG 531-24. In the cases which the standard tables do not cover a particular design application, the document provides engineering guidance.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products. General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

This design manual is being revised by the MBG Division of NAAMM to provide opinion and guidance on the procedures used in design calculations for metal bar grating.

NSF (NSF International)

Andrea Burr <aburr@nsf.org> | 789 N. Dixboro Road | Ann Arbor, MI 48105-9723 www.nsf.org

New Standard

BSR/NSF-202x, Commercially Compostable Verification Program (new standard)
Stakeholders: State and Federal regulators, manufacturers, supply chain, users, recyclers, and public health

Project Need: The commercial compostability of single-use products is a growing concern in sustainability and climate health. The standard will help to ensure public health, and guide industries as they seek to mitigate their impact on the planet.

Interest Categories: Regulatory members, consumers, industry representatives, testing laboratories

The purpose of this standard is to provide a framework for qualifying Commercially Compostable claims. Multiple criteria and best practices fail to create the standards that are necessary to ensure the safe and hygienic post-use treatment of single-use consumer products. The standard will be developed in accordance the with requirements of 16 CFR Part 260 and ISO 14021, in that an environmental claim shall not be misleading.

NW&RA (ASC Z245) (National Waste & Recycling Association)

Kirk Sander <ksander@wasterecycling.org> | 1550 Crystal Drive, Suite #804 | Arlington, VA 22202 www.wasterecycling.org

New Standard

BSR/Z245.23-202x, Stationary Compactors - Uncontrolled public access compactors (new standard)
Stakeholders: Manufacturers of Equipment, Consultants, Machine Operators, Engineers, Regulators,customers, safety professionals, trade and professional associations and institutes, quick-service restaurants, airports, writers with an interest in the scope, all other stake holders not specified

Project Need: The DOL W&H division has approached the Z245 committee to address compactors that are in uncontrolled public spaces. These compactors have a different use case than the intent of the Z245.2 standard for industrial-type equipment meant for use by personnel in controlled access areas. The committee also realized the previous designation of Z245.21 could create confusion of a previous standard. The move to Z245.23 would remove the confusion from the previously retired standard.

Interest Categories: Manufacturer, user, trade association or professional society, regulatory agency, insurance, labor, distributor or dealer, consultant, general industry

Technology has progressed to enable compactors to be built smaller and placed in uncontrolled access areas that enables the public to use them. The new standard will address the safety features and differentiate compactors meant to be used in uncontrolled public areas and controlled industrial areas

RESOLVE (Resolve, Inc.)

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

New Standard

BSR/RESOLVE RES-005-202x, Reusable packaging systems design standard: System operation and performance (new standard)
Stakeholders: Businesses including consumer goods companies, restaurant and food service companies, retailers, reuse service providers, product manufacturers or component suppliers. Consumers: Individual consumers, organizations that represent consumers, or community groups. Workers: Individuals or organizations that represent formal or informal workers in roles related to or impacted by reusable packaging, including but not limited to workers at manufacturing facilities, food service and retail businesses, container sorting and washing facilities, transport and logistics companies, and workers in recycling or waste collection. Government: Representatives from national or local government agencies, including food and drug agencies, health or environmental agencies, public utilities, or other agencies that may be involved in aspects of packaging regulation, production, use, or end-of-life. Testing and Standards: Organizations that test and/or certify products, services, or systems covered by the standards, or that develop standards/codes related to the products, services, or systems covered by the standards. General interest: Community activists, academia, scientists, expert consultants, etc. that are not covered by the other participation categories, such as representatives from groups impacted by packaging production or waste, professional societies and trade associations, attorneys, or food safety experts.

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

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

This standard specifies requirements and recommendations for operators of reusable packaging systems. The document provides a set of requirements that are intended to help the organization that coordinates the movement of reusable containers through open or closed loops, including coordinating actors involved in container collection, transport, sorting, washing, redistribution, and/or digital tracking.

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE IPS SP 924-202x, Full Duplex DOCSIS Broadband Radio Frequency Hardline Amplifiers for Cable Systems (new standard)
Stakeholders: Cable Telecommunications Industry

Project Need: Create new standard.

Interest Categories: Producers, Users, General Interest

The purpose of this document is to identify common characteristics of Radio Frequency hardline amplifiers to be used in Full Duplex DOCSIS (FDX) broadband hybrid fiber coax (HFC) networks. This document recommends mechanical, environmental, and electrical standards for broadband radio frequency (RF) amplifiers that support DOCSIS® 4.0 FDX capabilities (echo cancellation), with synchronous downstream and upstream operation at frequencies from 108 to 684 MHz, including all sub-band options as defined in the DOCSIS 4.0 FDX specifications with D3.0/D3.1 upstream operation at frequencies of 5 to 85 MHz and D3.0/D3.1 downstream operation from 684-1218 MHz.

USEMCSC (United States EMC Standards Corp.)

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

Revision

BSR/USEMCSC C63.27-Corrigendum 1-202x, Standard for Evaluation of Wireless Coexistence – Corrigendum 1 (revision of ANSI C63.27-2021)
Stakeholders: Manufacturers of wireless devices, network operators, IT enterprise managers, regulators of wireless devices (e.g., FDA), test laboratories, laboratory accreditation organizations

Project Need: This corrigendum will correct two issues in Annex A of C63.27-2021 to improve the clarity and usability of the standard.

Interest Categories: Calibration Lab, General, Government, Manufacturer, Professional Society, Test Lab, Trade Association

This corrigendum will correct an error in Annex A of C63.27-2021 that appears to limit specifications of the unintended signal. It will also correct wording in Annex A that leads some readers to believe that other parts of the standard can be disregarded. Current recommendations require the user to generate a custom signal that can be overly burdensome. This corrigendum will make clear what the recommendations are, including the use of existing test signals standardized by others (e.g., 3GPP).

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: November 17, 2024

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

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 90.4-2022, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022)
Addendum a to standard 90.4-2022 provides alignment between Standard 90.4, ASHRAE's Strategic Plan and contemporary industry needs. Standard 90.4 currently regulates data center energy consumption. However, under its current purpose statement, it does not clearly encompass related data center greenhouse gas emissions, environmental impact, water consumption, or other resources or considerations beyond energy. Addendum a expands the purpose statement to include resources and considerations beyond direct energy use that contribute to data center sustainability and decarbonization. The second public review draft, ISC, offers changes to the previous addendum which address comments from the first public review and other industry leaders.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170r-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)
Proposed Addendum r revises Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: November 17, 2024

PCI (Precast/Prestressed Concrete Institute)

8770 W. Bryn Mawr Ave., Suite 1150, Chicago, Illinois 60631 | egallandorm@pci.org, www.pci.org

Revision

BSR/PCI 128-202x, Specification for Glass-Fiber-Reinforced Concrete Panels (revision of ANSI/PCI 128-2019)
There were substantive changes due to public comment review. Changes are shown in redline/strike through format. Only these sections of the proposed document are available for public comment, as these are the only substantive changes since the last public comment period. This design specification provides minimum requirements for design, manufacture, and installation of glass-fiber-reinforced concrete (GFRC) panels.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: standards@pci.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 486C-202x, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2023)
Recirculation of the following balloted items: (1) Addition of Optional Testing for the Line Side of Service Qualification; (5) Revisions to Clarify Requirements Associated with Copper-Clad Aluminum.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60201 | christina.riemer@ul.org, https://ulse.org/

Revision

BSR/UL 1059-202x, UL Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2022)
Recirculation of the following topic: 1. Expanded Provisions for Evaluating Current-Limiting Breakers for Short-Circuit Ratings
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2227-202x, Standard for Overfilling Prevention Devices (revision of ANSI/UL 2227-2019)
1. Update to Nipple Adaptor Size for Testing in UL 2227 2. Inclusion of BTU Flowrate Exception in UL 2227 3. Editorial Updates in UL 2227
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: December 2, 2024

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 2004-C08, Gear Materials, Heat Treatment and Processing Manual (reaffirmation of ANSI/AGMA 2004-C08 (R2020))
This standard provides information pertaining to ferrous and nonferrous materials used in gearing. Factors in material selection, including material forms, properties, and associated processing and heat treatments, are discussed. Manufacturing procedures to prepare materials for machining and final heat treatment are included. Heat treating procedures used for gearing are covered in detail, including process descriptions, product specifications, process controls, and characteristics of heat treated gearing. Post-heat treatment processes to meet gearing requirements are discussed. Product inspection methods and documentation are covered. Term definitions, test methods, distortion and residual stress, sources for additional information, and a bibliography are included.
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, tech@agma.org

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 6033-C08, Materials for Marine Propulsion Gearing (reaffirmation of ANSI/AGMA 6033-C08 (R2020))
This document identifies commonly used alloy steels, heat treatments and inspection requirements for through hardened, case-hardened and surface-hardened gearing for main propulsion marine service over 1500 hp. Forged and hot-rolled alloy steel bar stock are specified to two metallurgical quality grades (1 and 2) according to cleanliness and test requirements. Cast steel gearing is specified to a single metallurgical quality level. Mechanical, metallurgical, and nondestructive test requirements are provided for various heat treat processes and metallurgical quality grades of gearing.
Single copy price: $270.00 non-member; $135.00 member
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 6133-C08, Materials for Marine Propulsion Gearing (Metric Edition) (reaffirmation of ANSI/AGMA 6133-C08 (R2020))
This document identifies commonly used alloy steels, heat treatments, and inspection requirements for through hardened, case-hardened, and surface-hardened gearing for main propulsion marine service over 1100 kW. Forged and hot-rolled alloy steel bar stock are specified to two metallurgical quality grades (1 and 2) according to cleanliness and test requirements. Cast steel gearing is specified to a single metallurgical quality level. Mechanical, metallurgical, and nondestructive test requirements are provided for various heat treat processes and metallurgical quality grades of gearing.
Single copy price: $270.00 non-member; $135.00 member
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

Comment Deadline: December 2, 2024

AGMA (American Gear Manufacturers Association)

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

Revision

BSR/AGMA 6011-Kxx, Specification for High Speed Helical Gear Units (revision of ANSI/AGMA 6011-J14)
This standard includes design, lubrication, bearings, testing and rating for single and double helical external tooth, parallel shaft speed reducers or increasers. Units covered include those operating with at least one stage having a pitch line velocity equal to or greater than 35 meters per second or rotational speeds greater than 4500 rpm and other stages having pitch line velocities equal to or greater than 8 meters per second.
Single copy price: $270.00 non-member; $135.00 member
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S642-SEPT2018 (R202x), Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (reaffirmation of ANSI/ASABE S642-SEPT2018)
This document describes methods for measurement and testing of LED packages and arrays or modules, LED lamps, and any other LED optical radiation devices, with a spectral range between 280 nm and 800 nm, used for plant growth and development. These methods are necessary to obtain information about device characteristics and long-term change behaviors.
Single copy price: Free
Obtain an electronic copy from: wall@asabe.org
Send comments (copy psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S648-1-MAR2020 (R202x), Agricultural Field Equipment Braking - Part 1: General Requirements (reaffirmation of ANSI/ASABE S648-1-MAR2020)
This part of ANSI/ASABE S648 provides normative references, defines terms and definitions and establishes general test procedures for the performance of braking systems used on agricultural field equipment (as defined in ANSI/ASAE S390).
Single copy price: Free
Obtain an electronic copy from: Sadie Stell; stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell; stell@asabe.org

Comment Deadline: December 2, 2024

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S648-2-MAR2020 (R202x), Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors (reaffirmation of ANSI/ASABE S648-2-MAR2020)
This part of ANSI/ASABE S648 establishes test procedures and performance requirements for braking of agricultural tractors. The requirements and minimum performance criteria are directed to operation and parking of agricultural equipment having a maximum design ground speed greater than 6 km/h (3.7 mile/h) and not exceeding 50 km/h (31 mile/h).
Single copy price: Free
Obtain an electronic copy from: Sadie Stell; stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell; stell@asabe.org

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE S607 OCT2007 (R202x), Ventilating Manure Storages to Reduce Entry Risk (reaffirmation of ANSI/ASABE S607 OCT2007 (R2019))
This Standard specifies the forced-ventilation times required to evacuate contaminant gases (H2S, CH4, and CO2) from on-farm, confined-space, manure storages with either solid, totally slotted or partially slotted covers to concentrations below American Conference of Governmental Industrial Hygienists (ACGIH) recommended 8-hr. Threshold Limit Values (TLVs). This Standard specifies the forced-ventilation times required to replenish oxygen levels from 0% to 20% by volume at sea level in on-farm, confined-space, manure storages with either solid, totally slotted or partially slotted covers.
Single copy price: Free
Obtain an electronic copy from: Sadie Stell; stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell; stell@asabe.org

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE/ISO TS 28924-2007 SEP2015 (R202x), Agricultural machinery - Guards for moving parts of power transmission - Guard opening without tool (reaffirm a national adoption ANSI/ASABE/ISO TS 28924-2007 SEP2015 (R2019))
This Technical Specification gives safety requirements, and the means of verifying them, for the design and construction of guards, able to be opened without a tool, which are used to guard the moving parts of the power transmission of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. ASABE/ISO TS28924:2007 SEP2015 (R2019) Copyright American Society of Agricultural and Biological Engineers 2 It deals with the significant hazards (as listed in Annex A), hazardous situations and events relevant to guards of moving parts of power transmission used as intended and under the conditions foreseen by the manufacturer (see Clauses 4 and 5). It is not applicable to guards for moving parts of the power transmission of tractors, aircraft, air cushion vehicles, or lawn and garden equipment.
Single copy price: Free
Obtain an electronic copy from: wall@asabe.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 2, 2024

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASAE EP389.2 JUN1993 (R202x), Auger Flighting Design Considerations (reaffirmation of ANSI/ASAE EP389.2 JUN1993 (R2019))
This Engineering Practice is a guide for designing conveyor augers using steel helicoid flighting and for specifying helicoid flighting as generally used in agricultural equipment. The following standard contains provisions which, through reference in this text, constitute provisions of this Engineering Practice. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this Engineering Practice are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Standards organizations maintain registers of currently valid standards. ANSI B32.3, Preferred Metric Sizes for Flat Metal Products
Single copy price: Free
Obtain an electronic copy from: wall@asabe.org
Send comments (copy psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASAE S418.1 OCT2010 (R202x), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2019))
This Standard covers only cylindrical couplers where interchange between makes is recommended. This Standard does not preclude other types of hydraulic couplers used for similar purposes.
Single copy price: Free
Obtain an electronic copy from: Sadie Stell; stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell; stell@asabe.org

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S647.1 MONYEAR-202x, Seed Cotton Module Identification System (revision and redesignation of ANSI/ASABE S647-OCT2018 (R2022))
The scope of the standard is limited to identification of seed cotton modules and the technology to read the identifiers. It does not address data transfer beyond the identifier such as area harvested, location, or ownership information. The identifier is meant to provide a link between the field and the gin and to also allow association of bale related data back to the module. Actual use of the association between the bale numbers and module identifier is at the discretion of the gin and producer. This standard is designed for global applications so that manufacturers of the enabling technologies and others should expect that if the system defined in this standard is followed, it can be applied to any cotton production system in the world.
Single copy price: Free
Obtain an electronic copy from: wall@asabe.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: December 2, 2024

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 B30.27-202x, Material Placement Systems (revision of ANSI/ASME B30.27-2019)
Volume B30.27, Material Placement Systems, includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of trailer and truck-mounted material placement systems. Included in this are mechanical and hydraulic pea gravel systems, mobile telescoping boom conveyors, separate placing booms, and material placement accessories.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Kathleen Peterson <petersonk@asme.org>

ASSP (ASC A10) (American Society of Safety Professionals)

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

New Standard

BSR/ASSP A10.2-202X, Safety, Health and Environmental Training for the Construction and Demolition Operations (new standard)
This standard establishes best practices in safety, health, and environmental training for the construction industry.
Single copy price: $125.00
Obtain an electronic copy from: Tim Fisher <tfisher@assp.org>
Send comments (copy psa@ansi.org) to: Same

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

Revision

BSR/ATIS 0600329-202x, Network Equipment - Earthquake Resistance (revision of ANSI ATIS 0600329-2014 (R2019))
This standard, when used with established earthquake qualification practices, sets forth test methods, performance requirements, and acceptance criteria for determining the earthquake resistance of telecommunications equipment. Earthquake resistance is the equipment's ability to maintain a defined level of functionality without physical damage, disruption of service, or personnel hazard, during and after an earthquake. The purpose of this standard is to establish minimum levels of robustness for telecommunications equipment that may provide a level of survivability to preserve telecommunications services during and after an earthquake. This standard establishes methods for determining equipment functionality within a defined earthquake environment. The test processes and performance requirements described in this standard apply to all telecommunications equipment fastened to the floor, walls, or other structural elements of telecommunications infrastructure.
Single copy price: Free
Obtain an electronic copy from: masefa@atis.org
Send comments (copy psa@ansi.org) to: masefa@atis.org

Comment Deadline: December 2, 2024

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 discusses some of the indicators that can be monitored or reviewed on rotary pumps to predict and identify pump failure modes. Common means of measuring those indicators have been defined. Control limits have been recommended, where appropriate, for those indicators whose limits are not defined in other Hydraulic Institute Standards. 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.
Single copy price: $50.00
Obtain an electronic copy from: achatterjee@pumps.org
Send comments (copy psa@ansi.org) to: Same

HPS (ASC N13) (Health Physics Society)

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

Reaffirmation

BSR N13.3-2013 (R202x), Dosimetry for Criticality Accidents (reaffirmation of ANSI N13.3-2013 (R2019))
This Standard provides requirements and performance criteria for implementation and maintenance of a dosimetry system capable of providing personnel dose estimates in the event of a criticality accident.
Single copy price: $50.00
Obtain an electronic copy from: awride-graney@burkinc.com
Send comments (copy psa@ansi.org) to: awride-graney@burkinc.com

HPS (ASC N13) (Health Physics Society)

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

Revision

BSR N13.41-202x, Criteria for Performing Multiple Dosimetry (revision of ANSI N13.41-2011 (R2018))
This standard provides criteria for when and how to use multiple dosimeters under conditions incident to routine activities that may involve non-uniform exposures to ionizing radiation. It also contains the recommended methodology for determining the effective dose from external sources when the use of multiple dosimeters has been deemed necessary by radiation protection professionals. This revision will address inconsistencies and variations observed between ICRPs while granting flexibility to those who wish to adhere to a standard.
Single copy price: $70.00
Obtain an electronic copy from: awride-graney@burkinc.com
Send comments (copy psa@ansi.org) to: awride-graney@burkinc.com

Comment Deadline: December 2, 2024

PHTA (Pool and Hot Tub Alliance)

1650 King Street, Suite 602, Alexandria, VA 22314 | anowicki@phta.org, www.PHTA.org

Revision

BSR/PHTA/ICC/NPC-12-202x, Standard for the Plastering of Swimming Pools, Spas, and Hot Tubs (revision, redesignation and consolidation of ANSI/APSP/ICC/NPC-12 2016 (Consolidate with ANSI/APSP/ICC/NPC 12, Supplement A-2019))
The purpose of this Standard is to provide recommended minimum guidelines for the material and application for the plastering of cementitious finish coatings for public and residential in-ground swimming pools, spas, hot tubs, or other cementitious water-containment vessels.
Single copy price: Free
Obtain an electronic copy from: https://www.phta.org/standards
Send comments (copy psa@ansi.org) to: https://www.phta.org/standards

RESOLVE (Resolve, Inc.)

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

New Standard

BSR/RESOLVE RES-002-202x, Reusable packaging systems design standard: Container washing, inspection, and packing for distribution (new standard)
This standard specifies minimum requirements and recommendations for washing, rinsing, sanitization, and drying of reusable foodware containers. It also provides requirements and recommendations for the handling processes for these containers during their collection and distribution.
Single copy price: Free
Obtain an electronic copy from: https://static1.squarespace.com/static/66b0e66e0e93f74bb7dc5618/t/66fc4a24b8d8b63c432180b0/1727810085180/Recirculation+Ballot_+Washing_PR3.pdf
Send comments (copy psa@ansi.org) to: https://forms.gle/JeWEPrd5f1PG4piC8

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-2-7-202x, Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirement for hand-held spray guns (identical national adoption of IEC 62841-2-7)
Proposed adoption of the First Edition of IEC 62841-2-7, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirement for hand-held spray guns, as the First Edition of UL 62841-2-7.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx.
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: December 2, 2024

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 1395-202X, Standard for Transients Test Method (new standard)
ULSE proposes a recirculation to the UL 1395 proposal dated 3-15-24.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 921-2020 (R202x), Standard for Safety for Commercial Dishwashers (reaffirmation of ANSI/UL 921 -2020)
(1) Reaffirmation and continuance of the 8th Edition of the Standard for Commercial Dishwashers, UL 921, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2061-2020 (R202x), Standard for Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies (reaffirmation of ANSI/UL 2061-2020)
Reaffirmation of UL 2061.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 61058-1-1-2017 (R202x), Standard for Safety for Switches for Appliances - Part 1-1: Requirements for Mechanical Switches (reaffirmation of ANSI/UL 61058-1-1-2017)
(1) Reaffirmation and continuance of the 1st Edition of the Standard for Switches for Appliances – Part 1-1: Requirements for Mechanical Switches, UL 61058-1-1, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalRequest
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: December 2, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 142-202x, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2021)
UL 142 is being proposed for revisions including: Addition of Stainless-Steel Pipe to Table 7.1; Inclusion of Alternate Pipe Standards; Clarification of Emergency Venting Requirements; Update Emergency Vent Sizing Definition; Inclusion of Alternate Manway Constructions; Clarification of Maximum Height in Table 9.3; Table 15.3 Correction; Editorial Correction for Table 17.1; Additional Requirements for Vertical Tanks with Low-Sloped Bottoms; Double-Walled Horizontal AST; Clarification on Longitudinal Standoff Requirements; Addition of Calculation Option for Accessories Other than Ladders; Revise Pressure Gauge Specification in Hydrostatic Strength Test; Add Calculation Option for Top Load Test; Revision of Marking Section 52.5; and Editorial Corrections.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 514D-202x, Cover Plates for Flush-Mounted Wiring Devices (revision of ANSI/UL 514D-2023)
1. Increase wire range from 14-12 awg to 14-10 awg to assure functionality with devices connected to 10awg Copper Clad wire 2. Revisions proposed by CSA
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area "https://csds.ul.com/ProposalAvailable"

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1769-202x, Standard for Cylinder Valves (revision of ANSI/UL 1769-2022)
(1) Remove MAPP reference in UL 1769; (2) Editorial updates in UL 1769; (3) Alternate connections in UL 1769.
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: December 17, 2024

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 Y14.35-202x, Revision of Product Definition Data Sets (revision of ANSI/ASME Y14.35-2014 (R2019))
This Standard defines the practices for revising product definition data sets and documents, data files, or both within those data sets. This Standard also establishes methods for identification and recording revisions. The revision practices of this Standard apply to any form of original document or data file.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fred Constantino

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 268-202x, Standard for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2024)
This Standard sets forth requirements for smoke detectors and accessories, including mechanical guards to be employed in ordinary indoor locations in accordance with the following:
(a) In Canada only:
(1) Standard for the Installation of Fire Alarm Systems, ULC-S524;
(2) National Building Code of Canada; and
(3) National Fire Code of Canada;
(b) In the United States only:
(1) National Fire Alarm and Signaling Code, NFPA 72.
Single copy price: Free
Order from: csds.ul.com
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1191-202x, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2024)
Revisions to Standard for Components for Personal Flotation Devices, UL 1191 including revising the scope, adding additional controls and test parameters.
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: December 17, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 9595-202x, Standard for Safety - Factory Follow-Up on Personal Flotation Devices (PFDs) (revision of ANSI/UL 9595-2024)
Revisions to Standard for Factory Follow-Up on Personal Flotation Devices (PFDs), UL 9595, including revising the Vertical load test only for belt and chest style inflatables and a Correction of Table in A7 Horizontal Load Test for UL 1123 Youth Devices.
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.

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

HL7 (Health Level Seven)

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

ANSI/HL7 V3 PAPRSNREG, R1-2015 (R2020), HL7 Version 3 Standard: Patient Administration; Person Registry, Release 1 (reaffirmation of ANSI/HL7 V3 PAPRSNREG, R1-2015)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Lynn Laakso <lynn@hl7.org>

HL7 (Health Level Seven)

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

ANSI/HL7 V3 SECPRONT, R1-2014 (R2019), HL7 Version 3 Standard: Security and Privacy Ontology, Release 1 (reaffirmation of ANSI/HL7 V3 SECPRONT, R1-2014)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Lynn Laakso <lynn@hl7.org>

Final Actions on American National Standards

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

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.80-2019/Part 1/ISO 20816-1-2016 (R2024), Mechanical vibration - Measurement and evaluation of machine vibration - Part 1: General guidelines (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S2.80-2019/Part 1/ISO 20816-1-2016) Final Action Date: 10/9/2024 | *Reaffirmation*

ANSI/ASA S2.80-2019/Part 2/ISO 20816-2-2017 (R2024), Mechanical vibration - Measurement and evaluation of machine vibration - Part 2: Land-based gas turbines, steam turbines and generators in excess of 40 MW, with fluid-film bearings and rated speeds of 1500 r/min, 1800 r/min, 3000 r/min and 3600 r/min (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S2.80-2019/Part 2/ISO 20816-2-2017) Final Action Date: 10/9/2024 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME OM-2-2024, Code on Component Testing Requirements at Nuclear Facilities (new standard) Final Action Date: 10/11/2024 | *New Standard*

ANSI/ASME B31T-2024, Standard Toughness Requirements for Piping (revision of ANSI/ASME B31T-2021) Final Action Date: 10/8/2024 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM F3722-2024, Practice for Heat Fusion Joining Polypropylene (PP) Pipe and Fittings (new standard) Final Action Date: 10/1/2024 | *New Standard*

CSA (CSA America Standards Inc.)

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

ANSI CSA/Z21.104/CSA 9.2, Manual and automatic gas selector devices for use with gas-fired appliances (reaffirmation of ANSI Z21.104-2019) Final Action Date: 10/8/2024 | *Reaffirmation*

ANSI CSA/Z21.90-2019/CSA 6.24 (R2024), Gas convenience outlets and optional enclosures (reaffirmation of ANSI Z21.90-2019 and ANSI Z21.90a-2021/CSA 6.24A-2021) Final Action Date: 10/9/2024 | *Reaffirmation*

ANSI CSA Z21.19/CSA 1.4 (R2024), Refrigerators using gas fuel (reaffirmation of ANSI Z21.19-2019) Final Action Date: 10/8/2024 | *Reaffirmation*

ANSI CSA Z21.96/CSA 11.6 (R2024), Portable water heaters for outdoor use (reaffirmation of ANSI Z21.96-2019) Final Action Date: 10/8/2024 | *Reaffirmation*

IES (Illuminating Engineering Society)

85 Broad Street, 17th Floor, New York, NY 10004 | pmcgillicuddy@ies.org, www.ies.org

ANSI/IES RP-40-19 (R24), Recommended Practice: Lighting Port Terminals (reaffirmation of ANSI/IES RP-40-19) Final Action Date: 10/9/2024 | *Reaffirmation*

ISA (International Society of Automation)

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

ANSI/ISA 75.27.01-2024, Cryogenic and Low Temperature Seat Leakage Testing of Control Valves (new standard) Final Action Date: 10/9/2024 | *New Standard*

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

ANSI NEMA WC 66/ICEA S-116-732 (R2024), Standard for Category 6 and 6A, 100 Ohm, Individually Unshielded Twisted Pairs, Indoor Cables (with or without an Overall Shield) for Use in LAN Communication Wiring Systems (reaffirmation of ANSI/NEMA WC 66/ICEA S-166-732-2019) Final Action Date: 10/9/2024 | *Reaffirmation*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 1970-2024, Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel and Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS) (revision, redesignation and consolidation of NFPA 1971, NFPA 1975, NFPA 1981 and NFPA 1982) Final Action Date: 9/18/2024 | *Revision*

NISO (National Information Standards Organization)

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

ANSI/NISO Z39.96-2024, JATS: Journal Article Tag Suite (1.4) (revision of ANSI/NISO Z39.96-2021) Final Action Date: 10/9/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 305-2024 (i33r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2023) Final Action Date: 9/17/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i188r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 10/1/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i189r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 10/4/2024 | *Revision*

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA 22202 | ksander@wasterecycling.org, www.wasterecycling.org

ANSI Z245.42-2024, Equipment Technology and Operations for Wastes and Recyclable Materials: Waste Transfer Station - Safety Requirements (new standard) Final Action Date: 10/11/2024 | *New Standard*

ULSE (UL Standards & Engagement)

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

ANSI/UL 962A-2024, Standard for Furniture Power Distribution Units (revision of ANSI/UL 962A-2023) Final Action Date: 10/10/2024 | *Revision*

ANSI/UL 1029-2024, Standard for High-Intensity-Discharge Lamp Ballasts (revision of ANSI/UL 1029-2012 (R2022)) Final Action Date: 10/11/2024 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 1424-2024, Standard for Safety for Cables for Power-Limited Fire-Alarm Circuits (revision of ANSI/UL 1424 -2020) Final Action Date: 10/8/2024 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI Accredited Standards Developer

IICRC - The Institute of Inspection, Cleaning and Restoration Certification

ANS Consensus Body - User Outreach

(IICRC) is seeking volunteers from the “User” interest category to serve on the S300 Standard for Professional Upholstery Cleaning Consensus Body.

IICRC S300 has been written using reliable principles, research, and practical experience, plus consultation with and information obtained from numerous sources. These include allied tradespersons; cleaning chemical and equipment formulators and manufacturers; upholstery and furniture manufacturers; international, national and regional trade associations; organizations serving the professionals cleaning industry, both independent and franchise; cleaning industry training schools; cleaning service companies; and others with specialized experience. IICRC S300 provides a specific set of practical standards for upholstery cleaning. It does not attempt to teach comprehensive upholstery cleaning procedures; rather, it provides the foundational principle for proper cleaning practice.

IICRC is seeking volunteers for this Standard specifically from the “User” interest category, which is defined as a person or organization using professional upholstery cleaning services rather than producing or selling the service.

Those interested in applying to serve on the S300 Consensus Body in the User interest category should contact IICRC Standards at standards@iicrcnet.org

ANSI Accredited Standards Developer

SFIA - Steel Framing Industry Association

Please respond by November 29, 2024

SFIA, a relatively new ANSI-accredited SDO, will be the body responsible for the development of the cold-formed steel framing standards previously promulgated by the American Iron and Steel Institute (AISI).

SFIA is actively seeking participation in the following standards development work:
• AISI S202, Code of Standard Practice for Cold-Formed Steel Structural Framing
• AISI S220, North American Standard for Cold-Formed Steel Nonstructural Framing
• AISI S230, Standard for Cold-Formed Steel Framing – Prescriptive Method for One- and Two-Family Dwellings
• AISI S240, North American Standard for Cold-Formed Steel Structural Framing
• AISI S250, North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing
• AISI S400, North American Standard for Seismic Design of Cold-Formed Steel Structural Systems
• AISI S9XX, a suite of eleven (11) test standards for Cold-Formed Steel Framing

SFIA is actively seeking participation for each of the above standards in each the following interest categories:
• *Producer* - An individual employed by or otherwise representing an organization that produces or supplies Cold-Formed Steel Framing or Cold-Formed Steel Framing accessories.
• *User* - An individual employed by or otherwise representing an organization that purchases, uses, or specifies Cold-Formed Steel Framing or Cold-Formed Steel Framing accessories. This category includes, but is not limited to, design engineers, architects, representatives of government agencies that purchase or specify Cold-Formed Steel Framing, owners, builders, fabricators, installers, or distributors.
• *General Interest* - General Interest members are neither Producers nor Users. This category includes, but is not limited to, educators, researchers, representatives of regulatory agencies, software developers, technical or professional societies, and manufacturers of related products.

To apply or obtain additional information please contact Meredith Perez at meredith@steelframing.org by November 29, 2024. For more information, see www.steelframing.org.

ABTG (Applied Building Technology Group)

6300 Enterprise Lane, Madison, WI 53719 | mcaldwell@qualtim.com, www.appliedbuildingtech.com

BSR/ABTG FS 100-202x, Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (revision of ANSI/SBCA FS 100-2012 (R2018))

API (American Petroleum Institute)

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

BSR/API MPMS Chapter 21.1 3rd Ed.-202X, Flow Measurement Using Electronic Metering Systems - Electronic Gas Measurement (revision of ANSI/API MPMS Ch. 21.1-2011 (R2021))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S642-SEPT2018 (R202x), Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (reaffirmation of ANSI/ASABE S642-SEPT2018)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S648-1-MAR2020 (R202x), Agricultural Field Equipment Braking - Part 1: General Requirements (reaffirmation of ANSI/ASABE S648-1-MAR2020)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S648-2-MAR2020 (R202x), Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors (reaffirmation of ANSI/ASABE S648-2-MAR2020)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S607 OCT2007 (R202x), Ventilating Manure Storages to Reduce Entry Risk (reaffirmation of ANSI/ASABE S607 OCT2007 (R2019))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S647.1 MONYEAR-202x, Seed Cotton Module Identification System (revision and redesignation of ANSI/ASABE S647-OCT2018 (R2022))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE/ISO TS 28924-2007 SEP2015 (R202x), Agricultural machinery - Guards for moving parts of power transmission - Guard opening without tool (reaffirm a national adoption ANSI/ASABE/ISO TS 28924-2007 SEP2015 (R2019))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE EP389.2 JUN1993 (R202x), Auger Flighting Design Considerations (reaffirmation of ANSI/ASAE EP389.2 JUN1993 (R2019))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE S418.1 OCT2010 (R202x), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2019))

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

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

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 90.4-2022, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022)

ASSP (ASC A10) (American Society of Safety Professionals)

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

BSR/ASSP A10.2-202X, Safety, Health and Environmental Training for the Construction and Demolition Operations (new standard)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

BSR/ATIS 0600329-202x, Network Equipment - Earthquake Resistance (revision of ANSI ATIS 0600329-2014 (R2019))

AWS (American Welding Society)

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

BSR/AWS G2.6M/G2.6-202x, Guide for the Welding and DED Additive Manufacturing (AM) of Tool Steels Exposed to High Temperatures (new standard)

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)

NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org

BSR/NAAMM MBG 533-2X-202X, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (revision of ANSI/NAAMM MBG 533-2021)

NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org

BSR/NAAMM MBG 534-2X-202x, Metal Bar Grating Engineering Design Manual (revision of ANSI/NAAMM MBG 534 -2024)

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA 22202 | ksander@wasterecycling.org, www.wasterecycling.org

BSR/Z245.23-202x, Stationary Compactors - Uncontrolled public access compactors (new standard)

PCI (Precast/Prestressed Concrete Institute)

8770 W. Bryn Mawr Ave., Suite 1150, Chicago, Illinois 60631 | egallandorm@pci.org, www.pci.org

BSR/PCI 128-202x, Specification for Glass-Fiber-Reinforced Concrete Panels (revision of ANSI/PCI 128-2019)

PHTA (Pool and Hot Tub Alliance)

1650 King Street, Suite 602, Alexandria, VA 22314 | anowicki@phta.org, www.PHTA.org

BSR/PHTA/ICC/NPC-12-202x, Standard for the Plastering of Swimming Pools, Spas, and Hot Tubs (revision, redesignation and consolidation of ANSI/APSP/ICC/NPC-12 2016 (Consolidate with ANSI/APSP/ICC/NPC 12, Supplement A-2019))

RESOLVE (Resolve, Inc.)

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

BSR/RESOLVE RES-005-202x, Reusable packaging systems design standard: System operation and performance (new standard)

ULSE (UL Standards & Engagement)

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

BSR/UL 142-202x, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2021)

ULSE (UL Standards & Engagement)

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

BSR/UL 921-2020 (R202x), Standard for Safety for Commercial Dishwashers (reaffirmation of ANSI/UL 921-2020)

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60201 | christina.riemer@ul.org, https://ulse.org/

BSR/UL 1059-202x, UL Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2022)

ULSE (UL Standards & Engagement)

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

BSR/UL 61058-1-1-2017 (R202x), Standard for Safety for Switches for Appliances - Part 1-1: Requirements for Mechanical Switches (reaffirmation of ANSI/UL 61058-1-1-2017)

American National Standards (ANS) Announcements

Pricing and source information for the below proposed actions were listed incorrectly when initially published in the 9/20/24 or 10/11/24 issues of Standards Action. Please note the corrected information. Please direct any questions to Tommy Kim at tkim@aami.org.

Corrections

AAMI - Association for the Advancement of Medical Instrumentation

AAMI Proposed Actions - Updated Prices and Sources

1. BSR/AAMI/ISO 11135-2015 (R202x), Sterilization of health care products - Ethylene oxide - Requirements for the development, validation and routine control of a sterilization process for medical devices (reaffirm a national adoption ANSI/AAMI/ISO 11135-2015)
· Single copy price: $319.00 (non-member) / $181.00 (Member Price)
· Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rwQAA

2. BSR/AAMI/ISO 11140-1-2014 (R202x), Sterilization of health care products-Chemical indicators-Part 1: General requirements (reaffirm a national adoption ANSI/AAMI/ISO 11140-1-2014)
· Single copy price: $183.00 (non-member) / $106.00 (Member Price)
· Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v6QAA

3. BSR/AAMI/ISO 11140-3 (R202x), Sterilization of health care products - Chemical indicators - Part 3: Class 2 indicator systems for use in the Bowie and Dick-type steam penetration test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2012 (R2015))
· Single copy price: $183.00 (non-member) / $106.00 (Member Price)
· Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v7QAA

4. BSR/AAMI/ISO 11140-04 (R202x), Sterilization of health care products - Chemical indicators - Part 4 - Class 2 indicators as an alternative to the Bowie and Dick-type test for detection of steam penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2012 (R2015))
· Single copy price: $226.00 (non-member) / $129.00 (Member Price)
· Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v8QAA

5. BSR/AAMI/ISO 11140-5 (R202x), Sterilization of health care products-Chemical indicators-Part 5: Class 2 indicators for Bowie and Dick-type air removal tests (reaffirm a national adoption ANSI/AAMI/ISO 11140-5-2012 (R2015))
· Single copy price: $183.00 (non-member) / $106.00 (Member Price)
· Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v9QAA

Rescind ANS Approval

ASTM - ASTM International

ANS/ASTM E3445-2024

At the request of the ANSI-Accredited Standards Developer ASTM, the Jul 23, 2024 approval of ANSI/ASTM E3445-2024, Practice for Image Processing to Improve Automated Facial Recognition Search Performance, as an American National Standard has been rescinded.
Please direct inquiries to: Lauren Daly <accreditation@astm.org>

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)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

ABTG
Applied Building Technology Group
6300 Enterprise Lane
Madison, WI 53719
www.appliedbuildingtech.com

Mindy Caldwell
mcaldwell@qualtim.com

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

Todd Praneis
praneis@agma.org

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

Lanaya Bankins
bankinsl@api.org

ASA (ASC S2)
Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
www.acousticalsociety.org

Raegan Ripley
standards@acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2590 Niles Road
Saint Joseph, MI 49085
https://www.asabe.org/

Sadie Stell
stell@asabe.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
https://www.asabe.org/

Britni Wall
wall@asabe.org

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

Mark Weber
mweber@ashrae.org

Thomas Loxley
tloxley@ashrae.org

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

Maria Acevedo
ansibox@asme.org

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

Terrell Henry
ansibox@asme.org

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

Tim Fisher
TFisher@ASSP.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

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

Mignot Asefa
masefa@atis.org

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

Stephen Borrero
sborrero@aws.org

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

Debbie Chesnik
ansi.contact@csagroup.org

HI
Hydraulic Institute
300 Interpace Parkway, Building A, 3rd Floor, #280
Parsippany, NJ 07054
www.pumps.org

Arunima Chatterjee
achatterjee@pumps.org

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

Amy Wride-Graney
awride-graney@burkinc.com

IES
Illuminating Engineering Society
85 Broad Street, 17th Floor
New York, NY 10004
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

ISA (Organization)
International Society of Automation
3252 S. Miami Blvd, Suite 102
Durham, NC 27703
www.isa.org

Lynne Franke
lfranke@isa.org

NAAMM
National Association of Architectural Metal Manufacturers
1533 Pine Grove Lane
Chesapeake, VA 23321
www.naamm.org

Ike Flory
ifnaamm@gmail.com

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

Khaled Masri
Khaled.Masri@nema.org

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

Dawn Michele Bellis
dbellis@nfpa.org

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

Keondra Bailey
kbailey@niso.org

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

Allan Rose
arose@nsf.org

Amy Jump
ajump@nsf.org

Andrea Burr
aburr@nsf.org

NW&RA (ASC Z245)
National Waste & Recycling Association
1550 Crystal Drive, Suite #804
Arlington, VA 22202
www.wasterecycling.org

Kirk Sander
ksander@wasterecycling.org

PCI
Precast/Prestressed Concrete Institute
8770 W. Bryn Mawr Ave., Suite 1150
Chicago, Illinois 60631
www.pci.org

Edith Gallandorm
egallandorm@pci.org

PHTA
Pool and Hot Tub Alliance
1650 King Street, Suite 602
Alexandria, VA 22314
www.PHTA.org

April Nowicki
anowicki@phta.org

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

Hannah Alday
halday@resolve.ngo

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

Natasha Aden
naden@scte.org

ULSE
UL Standards & Engagement
100 Queen Street, Suite 1040
Ottawa, Canada, ON https://ulse.org/

Jacob Stewart
Jacob.Stewart@ul.org

ULSE
UL Standards & Engagement
100 Queen Street, Suite 1040
Ottawa, ON K1P 1
https://ulse.org/

Celine Eid
celine.eid@ul.org

Sabrina Khrebtov
sabrina.khrebtov@ul.org

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

Doreen Stocker
Doreen.Stocker@ul.org

Grayson Flake
Grayson.Flake@ul.org

Johnny Hall
johnny.hall@ul.org

Michael Niedermayer
michael.niedermayer@ul.org

Nicolette Weeks
Nicolette.A.Weeks@ul.org

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

Christina Riemer
christina.riemer@ul.org

ULSE
UL Standards & Engagement
1603 Orrington Ave
Evanston, IL 60210
https://ulse.org/

Alan McGrath
alan.t.mcgrath@ul.org

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

Mitchell Gold
mitchell.gold@ul.org

USEMCSC
United States EMC Standards Corp.
445 Hoes Lane
Piscataway, NJ 08854

Jennifer Santulli
j.santulli@ieee.org

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO 16140-3:2021/DAmd 1, - Amendment 1: Microbiology of the food chain - Method validation - Part 3: Protocol for the verification of reference methods and validated alternative methods in a single laboratory - Amendment 1: Validated identification methods of microorganisms - Technical protocol for verification - 12/28/2024, $62.00

ISO 16140-4:2020/DAmd 2, - Amendment 2: Microbiology of the food chain - Method validation - Part 4: Protocol for method validation in a single laboratory - Amendment 2: Protocol for single-laboratory validation of identification methods of microorganisms - 12/26/2024, $33.00

Aircraft and space vehicles (TC 20)

ISO/DIS 14303, Space systems - Launch-vehicle-to-spacecraft interfaces - 12/27/2024, $125.00

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 12487, Medical electrical equipment - Clinical performance evaluation of clinical thermometers - 12/27/2024, $88.00

ISO/DIS 80601-2-74, Medical electrical equipment - Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment - 12/30/2024, $165.00

ISO/DIS 80601-2-90, Medical electrical equipment - Part 2-90: Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment - 12/30/2024, $165.00

Building construction (TC 59)

ISO/DIS 29481-1, Building information models - Information delivery manual - Part 1: Methodology and format - 12/29/2024, $102.00

Learning services for non-formal education and training (TC 232)

ISO/DIS 29997, Internships - Quality guidelines for host organizations - 12/29/2024, $62.00

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

ISO/DIS 16530, Oil and gas industries including lower carbon energy - Well integrity - Life cycle governance - 12/26/2024, $175.00

Mechanical testing of metals (TC 164)

ISO/DIS 23296, Metallic materials - Fatigue testing - Force controlled thermo-mechanical fatigue testing method - 12/27/2024, $93.00

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

ISO/DIS 10471, Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions - 1/2/2025, $53.00

Railway applications (TC 269)

ISO/DIS 18318, Railway applications - Wheel-rail contact geometry parameters - Definitions and methods for evaluation - 12/27/2024, $165.00

Refrigeration (TC 86)

ISO/DIS 22043, Ice-cream freezers - Classification, requirements and test conditions - 1/2/2025, $112.00

ISO/DIS 22044, Commercial beverage coolers - Classification, requirements and test conditions - 12/28/2024, $125.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1077/FDIS, IEC 63522-6 ED1: Electrical relays - Tests and Measurements - Part 6: Contact-circuit resistance or voltage drop, 11/22/2024

Documentation and graphical symbols (TC 3)

3D/411/ED, IEC 61360-C00169: IEC CDD: C00169 - Maintenance of language identifiers, 11/08/2024

3/1689/CD, IEC 81346-2 ED3: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 2: Classification of objects and codes for classes, 01/31/2025

Electrical Energy Storage (EES) Systems (TC 120)

120/387(F)/FDIS, IEC 62933-4-2 ED1: Electric Energy Storage Systems - Part 4-2- Assessment of the environmental impact of battery failure in an electrochemical based storage system, 10/25/2024

Electrical equipment in medical practice (TC 62)

62A/1619/CD, IEC TR 60601-4-9 ED1: Medical electrical equipment - Part 4-9: Guidance and interpretation - essential performance fault safety, 01/03/2025

Electrical installations of buildings (TC 64)

64/2701/CD, IEC 60364-7-722 ED3: Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles, 01/24/2025

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

18/1913/CDV, IEC 60092-302-2 ED2: Electrical installations in ships - Part 302-2: Low voltage switchgear and controlgear assemblies - Marine power, 01/03/2025

Electromagnetic compatibility (TC 77)

77A/1230/CD, IEC 61000-4-7 ED3: Electromagnetic compatibility (EMC) - Part 4-7: Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto, 12/20/2024

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

48B/3119/CDV, IEC 61076-2 ED3: Connectors for electronic equipment - Product requirements - Part 2: Sectional specification for circular connectors, 01/03/2025

Fluids for electrotechnical applications (TC 10)

10/1249/FDIS, IEC 61039 ED3: Classification of insulating liquids, 11/22/2024

Lamps and related equipment (TC 34)

34D/1743/CDV, IEC 60598-2-1 ED3: Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires, 01/03/2025

34D/1744/CDV, IEC 60598-2-2 ED5: Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires, 01/03/2025

Magnetic components and ferrite materials (TC 51)

51/1522(F)/FDIS, IEC 62024-2 ED3: High frequency inductive components - Electrical characteristics and measuring methods - Part 2: Rated current of inductors for DC-to-DC converters, 10/25/2024

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

113/867/CD, IEC TS 62607-6-24 ED1: Nanomanufacturing - Key control characteristics - Part 6-24: Graphene-related products - Number of layer distribution of graphene films: Optical contrast method, 12/06/2024

Performance of household electrical appliances (TC 59)

59K/400(F)/FDIS, IEC 60705 ED5: Household microwave ovens - Methods for measuring performance, 10/25/2024

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

49/1467/CD, IEC 60444-11 ED2: Measurement of quartz crystal unit parameters - Part 11: Standard method for the determination of the load resonance frequency fL and the effective load capacitance CLeff using automatic network analyzer techniques and error correction, 12/06/2024

Power system control and associated communications (TC 57)

57/2719(F)/FDIS, IEC 62746-4 ED1: Systems interface between customer energy management system and the power management system - Part 4: Demand Side Resource Interface, 10/25/2024

Primary cells and batteries (TC 35)

35/1571(F)/FDIS, IEC 60086-4 ED6: Primary batteries - Part 4: Safety of lithium batteries, 10/25/2024

Quantities and units, and their letter symbols (TC 25)

25/811/FDIS, IEC 80000-13 ED2: Quantities and units - Part 13: Information science and technology, 11/22/2024

Safety of household and similar electrical appliances (TC 61)

61/7301(F)/FDIS, IEC 60335-2-75 ED4: Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, 10/25/2024

Secondary cells and batteries (TC 21)

21A/905/CD, IEC 62259 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Nickel-cadmium prismatic rechargeable cells with partial gas recombination and batteries for use in industrial applications., 12/06/2024

21/1226A/NP, PNW 21-1226 ED1: Secondary lithium batteries for light EV (electric vehicle) applications - Part 1: General safety requirements and test methods, 11/29/2024

Standard voltages, current ratings and frequencies (TC 8)

8C/117/DTR, IEC TR 63515 ED1: Conceptual framework of power system resilience, 12/06/2024

8/1724/CD, IEC TS 62786-42 ED1: Distributed energy resources connection with the grid - Part 42 Requirements for voltage measurement used to control DER and loads, 12/06/2024

8C/114/CD, IEC TS 63384-2 ED1: Power System Stability Control - Part 2: Guideline for quantitative assessment of power system stability and security, 12/06/2024

Surface mounting technology (TC 91)

91/1977/CDV, IEC 61249-2-52 ED1: Materials for printed boards and other interconnecting structures - Part 2-52: Reinforced base materials clad and unclad - Thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad, 01/03/2025

91/1978/CDV, IEC 61249-2-53 ED1: Materials for printed boards and other interconnecting structures - Part 2-53: Reinforced base materials clad and unclad - PTFE unfilled laminate sheets of defined flammability (vertical burning test), copper-clad, 01/03/2025

Terminology (TC 1)

1/2627/CDV, IEC 60050-193 ED1: International Electrotechnical Vocabulary (IEV) - Part 193: Circular economy and material efficiency, 01/03/2025

1/2630/CD, IEC 60050-311 ED1: International Electrotechnical Vocabulary (IEV) - Part 311: Electrical and electronic measurements - General terms relating to measurements, 01/03/2025

1/2631/ED, IEC 60050-C00092: Updates to 871-01, 02 and 05 parts of IEC 60050-871, 11/22/2024

Ultrasonics (TC 87)

87/879(F)/FDIS, IEC 61846 ED2: Ultrasonics - Therapeutic focused short pressure pulse sources - Characteristics of fields, 10/25/2024

Wind turbine generator systems (TC 88)

88/1045/CDV, IEC 61400-40 ED1: Wind energy generation systems - Part 40: Electromagnetic Compatibility (EMC) - Requirements and test methods, 01/03/2025

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

Aircraft and space vehicles (TC 20)

ISO 7661:2024, Aerospace fluid systems - Clamp blocks for tube lines having axial alignment - Design requirements and qualification testing (metric series), $81.00

Environmental management (TC 207)

ISO 14071:2024, Environmental management - Life cycle assessment - Critical review processes and reviewer competencies, $81.00

ISO 14072:2024, Environmental management - Life cycle assessment - Requirements and guidance for organizational life cycle assessment, $166.00

ISO 14075:2024, Environmental management - Principles and framework for social life cycle assessment, $194.00

Ergonomics (TC 159)

ISO 9241-920:2024, Ergonomics of human-system interaction - Part 920: Tactile and haptic interactions, $166.00

Lifts, escalators, passenger conveyors (TC 178)

ISO 8103-1:2024, Escalators and moving walks - Part 1: Safety requirements, $278.00

Other

ISO/CIE 23603:2024, Standard method of assessing the spectral quality of daylight simulators for visual appraisal and measurement of colour, $166.00

Packaging (TC 122)

ISO 7683:2024, Design criteria and test methods for removable shrink labels applied to PET bottles, $81.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 13997:2024, Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects, $166.00

ISO 24232:2024, Protective clothing - Protection against rain, $81.00

Petroleum products and lubricants (TC 28)

ISO 4266-3:2024, Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 3: Measurement of level in pressurized storage tanks (non-refrigerated), $124.00

Plastics (TC 61)

ISO 899-2:2024, Plastics - Determination of creep behaviour - Part 2: Flexural creep by three-point loading, $124.00

Security (TC 292)

ISO 22336:2024, Security and resilience - Organizational resilience - Guidelines for resilience policy and strategy, $166.00

Ships and marine technology (TC 8)

ISO 7061:2024, Ships and marine technology - Aluminium shore gangways for seagoing vessels, $81.00

Small tools (TC 29)

ISO 21949:2024, Coated abrasives - Plain sheets with holes for dust extraction, $54.00

ISO 21951:2024, Coated abrasives - Plain discs with holes for dust extraction, $54.00

Solid mineral fuels (TC 27)

ISO 20905:2024, Coal preparation - Determination of dust/moisture relationship for coal, $81.00

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

ISO 11334-4:2024, Assistive products for walking, manipulated by one arm - Requirements and test methods - Part 4: Walking sticks with three or more legs, $124.00

Wood-based panels (TC 89)

ISO 10033-1:2011/Amd 1:2024, - Amendment 1: Laminated Veneer Lumber (LVL) - Bonding quality - Part 1: Test methods - Amendment 1, $23.00

ISO Technical Reports

Transport information and control systems (TC 204)

ISO/TR 17748-1:2024, Intelligent transportation systems - Energy-based green ITS services for smart city mobility applications via nomadic and mobile devices - Part 1: General information and use case definitions, $81.00

ISO Technical Specifications

Security (TC 292)

ISO/TS 22386:2024, Security and resilience - Authenticity, integrity and trust for products and documents - Guidelines for brand protection and enforcement procedures, $124.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 20248:2022/Amd 1:2024, - Amendment 1: Information technology - Automatic identification and data capture techniques - Digital signature data structure schema - Amendment 1: Domain authority identifier (DAID) specification for the GS1 legal entity identifier and encoding clarifications, $23.00

ISO/IEC/IEEE 41062:2024, Software engineering - Life cycle processes - Software acquisition, $278.00

IEC Standards

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

IEC 60721-3-1 Ed. 3.0 b Cor.1:2024, Corrigendum 1 - Classification of environmental conditions - Part 3-1: Classification of groups of environmental parameters and their severities - Storage, $0.00

Flat Panel Display Devices (TC 110)

IEC 62977-3-5 Ed. 1.0 en Cor.1:2024, Corrigendum 1 - Electronic displays - Part 3-5: Evaluation of optical performance - Colour capabilities, $0.00

Industrial-process measurement and control (TC 65)

IEC 63339 Ed. 1.0 b:2024, Unified reference model for smart manufacturing, $483.00

Other

CISPR/TR 16-4-6 Ed. 1.0 en:2024, Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-6: Uncertainties, statistics and limit modelling - Statistics on radio frequency interference (RFI) and verification by measurements in the field, $303.00

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

IEC 62841-3-8 Ed. 1.0 b:2024, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders, $386.00

IEC 62841-3-8 Ed. 1.0 en:2024 EXV, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders, $932.00

Safety of household and similar electrical appliances (TC 61)

IEC 60335-2-111 Ed. 2.0 b:2024, Household and similar electrical appliances - Safety - Part 2-111: Particular requirements for electric ondol mattress with a non-flexible heated part, $193.00

IEC 60335-2-111 Ed. 2.0 en:2024 EXV, Household and similar electrical appliances - Safety - Part 2-111: Particular requirements for electric ondol mattress with a non-flexible heated part, $975.00

S+ IEC 60335-2-111 Ed. 2.0 en:2024 (Redline version), Household and similar electrical appliances - Safety - Part 2 -111: Particular requirements for electric ondol mattress with a non-flexible heated part, $329.00

Solar photovoltaic energy systems (TC 82)

IEC 61730-2 Ed. 3.0 b Cor.1:2024, Corrigendum 1- Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, $0.00

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

S+ IEC 60947-2 Ed. 6.0 en:2024 (Redline version), Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, $932.00

International Electrotechnical Commission (IEC)

Call for Members (USNC)

Advisory Committee on Electricity Transmission and Distribution (ACTAD) - US Representative Needed

Comment Deadline: October 30, 2024

ACTAD, which reports to the SMB (Standardization Management Board), deals with all matters concerning electricity transmission and distribution (T&D) which concern, or may potentially concern, more than one TC (Technical Committee) or SC (SubCommittee)of the IEC.

Individuals interested in serving as the US Representative on ACTAD are invited to contact **Betty Barro at bbarro@ansi.org** by October 30th 2024.

Please see the scope for ACTAD below:

Scope

ACTAD deals with all matters concerning electricity transmission and distribution (T&D) which concern, or may potentially concern, more than one TC or SC. It may also have to deal with emerging broader subjects that may impact the T&D industry and IEC technical committees. ACTAD's responsibilities include:

to recommend standardization activities and their relative importance in order to help TCs/SCs in their development;
to identify technologies to be standardized in order to guide TCs/SCs in taking into account market needs;
to advise the SMB in the coordination of TC/SC activities so as to improve their effectiveness.

NOTE: To see the recent ACTAD activity and workshop, click HERE.

USNC Technical Advisor Needed

Response Deadline: November 1, 2024

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

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

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

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

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

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Ayurveda and Yoga

Comment Deadline: November 15, 2024

BIS, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Ayurveda and Yoga, with the following scope statement:

Standardization in the field of Ayurveda and Yoga. Both traditional and modern aspects of products and services of these systems are covered. The committee will focus on following fields including but not limited to Terminology; Quality and Safety of ingredients, extracts, finished products, Ayurveda based dietary supplements and nutraceuticals, Ayurveda Pharmaceutical equipment and procedures; Health and Wellness service requirements; Health Assessment tools/equipment; Rejuvenative procedures and tools/equipment /devices; Yoga accessories, Yoga props and common yoga protocol practices.

Excluded: Standardization covered by
- *ISO/TC 54 - Essential oils*
- *ISO/TC 215 - Health Informatics*
- *ISO/TC 249 - Traditional Chinese Medicine*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, November 15, 2024.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Contact Centers

Comment Deadline: November 8, 2024

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Contact Centers, with the following scope statement:

Standardization in the field of terminology, requirement, guidance, practices, evaluation for contact centers management and services provision.

Excluded: Relevant work within the scopes of the following committees:

- *ISO/IEC JTC 1 Information technology*
- *ISO/IEC JTC 1/SC 40 IT service management and IT governance*
- *ISO/TC 176 Quality management and quality assurance*
- *ISO/TC 176/SC 3 Quality management and quality assurance —Supporting technologies*
- *ISO/TC 290 Online reputation*
- *ISO/TC 312 Excellence in service*
- *ISO/PC 317 Consumer protection: privacy by design for consumer goods and services*

Note: In parallel, the proposed TC works in cooperation with existing committees on subjects that may support contact centers.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, November 8, 2024.

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 90.4-2022

Public Review Draft

Proposed Addendum *a* to Standard 90.4-2022, *Energy Standard for Data Centers*

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

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

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

Addendum a aims to provide alignment between Standard 90.4 and ASHRAE's plans to strengthen the decarbonization components of ASHRAE standards. Standard 90.4 currently regulates data center energy consumption, but cannot regulate data center greenhouse gas emissions, environmental impact, water consumption, and other resources or considerations beyond energy under its current purpose. *Addendum a* expands the purpose to include resources and considerations beyond energy that contribute to data center sustainability and decarbonization.

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

Addendum a to 90.4-2022

Modify the Purpose and Scope as follows:

1. PURPOSE

The purpose of this standard is to establish the minimum *energy efficiency* and resource requirements ~~of *data centers*~~ for design, *construction*, and planned operation and maintenance of *data centers,* in service of decarbonization and reduction of greenhouse gas emissions.

Resources include but are not limited to:

~~a. design, *construction*, and a plan for operation and maintenance; and~~

~~b. use of on-site or off-site renewable *energy* resources.~~

a. non-renewable *energy*
b. renewable *energy*
c. water

2. SCOPE

2.1 This standard applies to

a. new *data centers*, or portions thereof, and their *systems*;
b. new *additions* to *data centers*, or portions thereof, and their *systems*; and
c. modifications to *systems* and *equipment* in existing *data centers* or portions thereof.

2.2 The provisions of this standard do not apply to

a. *telephone exchanges*,
b. *essential facilities*, and
c. *information technology equipment* (*ITE*).

2.3 Where specifically noted in this standard, certain other buildings or elements of buildings shall be exempt.

2.4 This standard shall not be used to circumvent any safety, health, or environmental requirements.

BSR/ASHRAE/ASHE Addendum r
to ANSI/ASHRAE/ASHE Standard 170-2021

Public Review Draft

Proposed Addendum r to Standard 170-2021, Ventilation of Health Care Facilities

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

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

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

Proposed Addendum r revises Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces.

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

Addendum r to 170-2021

Revise Table 9-1 as shown. The remainder of Table 9-1 is unchanged.

Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	AII Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (c)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
RESIDENTIAL HEALTH									
NURSING HOMES									
Resident living/activity/dining *(FGI 3.1–2.3.3)*	NR	42	4	NR	NR	Yes	MERV-13	Max 60	70–78/21–29

Informative Note: NR = No requirement

BSR/UL 486C, Standard for Safety for Splicing Wire Connectors

1. Addition of Optional Testing for the Line Side of Service Qualification

PROPOSAL

I.3 Markings

I.3.1 Connectors complying with Annex I shall be permitted to be marked on the connector, the smallest unit container, or on an information sheet placed in the smallest unit container, with the following -- ~~"SR"~~ ~~or~~ "SVC", "Suitable for use on the line side of the service equipment" or equivalent.

5. Revisions to Clarify Requirements Associated with Copper-Clad Aluminum

PROPOSAL

Table 7.3
Conductor material to be used in test sequences and suitable combinations based on markings

Marking (or equivalent)	Conductor used in test sequences	Type of conductor suitable for use with	
		Single conductor in an opening	Two or more conductors in an opening
"CU"	Copper	Copper	Copper to copper
"AL"	Aluminum	Aluminum	Aluminum to aluminum
"CC"	Copper-clad aluminum	Copper-clad aluminum	Copper-clad aluminum to copper-clad aluminum
"AL-CU" or "CU-AL"	Copper and aluminum	Copper Aluminum Copper-clad aluminum	Copper to copper, Aluminum to aluminum, Copper-clad aluminum to copper-clad aluminum,
"CC-CU" for single conductor in an opening or "CC-CU (intermixed – dry locations)" for two or more conductors in an opening	Copper and copper-clad aluminum	Copper Copper-clad aluminum	Copper-clad aluminum to copper-clad aluminum, Copper to copper-clad aluminum (intermixed and in direct physical contact)
"CC-AL" for single conductor in an opening or "CC-AL (intermixed – dry locations)" for two or more conductors in an opening	Copper-clad aluminum and aluminum	Copper-clad aluminum Aluminum	Copper-clad aluminum to copper-clad aluminum, Copper-clad aluminum to aluminum (intermixed and in direct physical contact)
"AL-CU" for single conductor in an opening or "AL-CU (intermixed - dry locations)" for two or more conductors in an opening	Copper and aluminum	Copper Copper-clad Aluminum Aluminum	Copper to copper, Aluminum to aluminum, Copper to aluminum (intermixed and in direct physical contact), Copper-clad aluminum to copper-clad aluminum, Copper to copper-clad aluminum (intermixed and in direct physical contact), Aluminum to copper-clad aluminum (intermixed and in direct physical contact)

BSR/UL 1059, Standard for Safety for Terminal Blocks

1. Expanded Provisions for Evaluating Current-Limiting Breakers for Short-Circuit Ratings

PROPOSAL

SA2.1.3 Circuit breakers may be added to the short-circuit current markings based on an evaluation of data from previously conducted short-circuit tests. The evaluation shall be conducted as follows:

a) The circuit breakers to be added shall be current-limiting,

b) The short-circuit current and voltage rating of the circuit breakers to be added shall be the same or lower than the short-circuit current and voltage rating for which the test was conducted, and

c) The peak let-through current (I_p) and I^2t of the circuit breakers to be added shall not be greater than values for peak let-through current (I_p) and I^2t measured during the previously conducted test.

BSR/UL 2227, Standard for Safety for Overfilling Prevention Devices

1. Update to Nipple Adaptor Size for Testing in UL 2227

PROPOSAL

28.3 The valve/OPD assembly shall be installed into a system of adequate capacity and pressure that includes a flowmeter, control valve(s) and a manifold. The system shall be charged and maintained at 10 psig (0.069 MPa) pressure using compressed air or nitrogen. An adapter having no flow restrictor and having a minimum 0.179 ± 0.005 in. (4.5 ± 0.13 mm) passageway shall be connected to the valve outlet. No other valve or device shall be connected to the adapter. The system shall be pressurized and the flow capacity shall be recorded at 1 minute and 3 minutes.

Exception: Valve/OPD assemblies intended for use only on cylinder sizes less than 4 lb LPG shall use an adaptor with a minimum 0.055 in. (1.4 mm) orifice passageway.

2. Inclusion of BTU Flowrate Exception in UL 2227

PROPOSAL

28.5 The valve/OPD assembly shall have a minimum of 150,000 BTU/HR output at 10 psig (0.069 MPa) inlet pressure.

Exception: Valve/OPD assemblies intended for use only on cylinder sizes less than 4 b LPG shall have a minimum of 75,000 BTU/hr output at 10 psig (0.069 MPa) inlet pressure.

3. Editorial Updates in UL 2227

PROPOSAL

1.2 Overfilling prevention devices covered by these requirements are for use in applications covered by the following standards:

a) Liquefied Petroleum Gas Code, NFPA ~~No.~~ 58.

b) Outdoor Cooking Gas Appliances, ~~ANSI Z21.58/CGA 1.6-M95.~~ CSA/ANSI Z58:22/CSA 1.6:22.

c) Standard on Recreational Vehicles, ~~RVIA A119.2~~NFPA 1192.

~~**1.2 Undated references**~~

~~2.2.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.~~

2A Reference Publications

2A.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

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

CSA/ANSI Z58:22/CSA 1.6:22, *Outdoor Cooking Gas Appliances*

ASME B1.20.1, *Pipe Threads, General Purpose (Inch)*

ASTM B858, *Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys*

FED-STD-H28/7A, *Screw-Thread Standards for Federal Services Section 7 Pipe Threads, General Purpose*

FED-STD-H28/8B, *Screw-Thread Standards for Federal Services Section 8 Dryseal Pipe Threads*

NFPA 58, *Liquified Petroleum Gas Code*

NFPA 1192, *Standard on Recreational Vehicles*

UL 157, *Safety for Gaskets and Seals*

UL 1769, *Safety for Cylinder Valves*

UL/ULC 125, *Safety Flow Control Valves for Anhydrous Ammonia and LP-Gas*

5.5 Pipe threads shall be in accordance with ~~the Standard for Pipe Threads, General Purpose (Inch),~~ ANSI/ASME B1.20.1~~;~~, FED-STD-H28/7A~~,~~; ~~Screw-Thread Standards for Federal Services, Section 7, Pipe Threads, General Purpose,~~; or FED-STD-H28/8B ~~Screw-Thread Standards for Federal Services, Section 8, Dryseal Pipe Threads~~.

5.6 An overfilling prevention device intended for installation on a cylinder valve shall be provided only on such valves for which it is designed. This assembly shall be constructed and marked in accordance with ~~the Standard for Cylinder Valves,~~ UL 1769.

5.7 An overfilling prevention device which is incorporated into the design of a cylinder valve shall also comply with ~~the Standard for Cylinder Valves,~~ UL 1769.

5.8 Filler valves used in the assembly of overfill prevention devices shall comply with ~~the Standard for Valves for Anhydrous Ammonia and LP-Gas (Other than Safety Relief),~~ UL/ULC 125.

22.3 The samples are then to be tested in accordance with Apparatus, Reagents and Materials, Test Media, Test Sample Preparation, (9.3 – 9.4), and Test Procedure (10.1 – 10.4) of ~~the Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys,~~ ASTM B858~~-06~~, except the pH level of the test solution shall be High 10.5 ±0.1 and the exposure temperature shall be 13 ±2°F (25 ±1°C). Threaded parts incorporating internal NPT type threads shall be tightened to a torque in accordance with Table 9.1. Factory assembled parts shall be threaded together using production torque values.

24.2 The volume change and weight loss tests are to be conducted as specified in ~~the Standard for Gaskets and Seals,~~ UL 157.

25.3 OPDs and their components shall be tested for out-gassing. Install 3 OPDs into their intended size cylinders. Charge the cylinders to 100 psi (0.7 MPa) with air or nitrogen. The cylinders shall remain charged for a minimum of 30 days. The air or nitrogen in each cylinder shall be sampled and tested using the wet litmus paper test. The litmus paper shall not change color.

27.2 Three samples of each OPD design shall be used. (Designs that exhibit different mechanical characteristics or materials [e.g., extensions, floats, counter-balances, float lengths, cams, diaphragms, etc.] shall be considered a new design and be tested.) This test shall be conducted at a temperature of ~~20 ±5°C~~ 68 ±9°F (20 ±5°C ~~68 ±9°F~~).

Specification for Glass-Fiber-Reinforced Concrete Panels, PCI 128

4.1.3 Panels shall be fabricated within tolerances specified in PCI MNL ~~135~~130, except where the requirements of contract documents are more stringent.

6.1.4 Panels shall be installed within tolerances specified in PCI MNL ~~135~~130.