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CONTENTS

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Project Initiation Notification System (PINS)

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

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S642.1 MONYEAR-202x, Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (revision and redesignation of ANSI/ASABE S642-SEPT2018)
Stakeholders: LED and LED lighting manufacturers, testing labs, plant growers, research organizations, government, and other specification agencies

Project Need: Currently, LED radiation products have been widely used in plant growth and development applications. These products have demonstrated higher effectiveness and energy saving potentials. However, there are no standardized methods of measurements for these products. In order to recognize the benefits of these products, reliable, repeatable, and consistent testing and measurements methods must be established. The current lighting standards are based on human perception of light, while light (radiation) perception by plants is quite different and thus new standards are needed. Standards need to be refined to give clear information to plant growers about the light provided within the plant growth spectrum. In particular, the measurements and testing standards developed by other standardization bodies are often are LED specific. This document will be based on these specifics and add the plant growth and application related requirements.

Interest Categories: Academia, Government, Producers, Research and Users

This document describes methods for measurement and testing of electromagnetic radiation sources, both passively cooled and actively cooled, 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. This document is intended to cover LED as well as non-LED sources such as Incandescent, Fluorescent, High Intensity Discharge (HID) such as High Pressure Sodium (HPS), metal halide (MH), or other sources used for plant growth and development.

ASSP (Safety) (American Society of Safety Professionals)

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

New Standard

BSR/ASSP Z359.21-202x, Safety Requirements for Hoists and Synthetic Rope Haul Systems (new standard)
Stakeholders: Fall Protection Safety Professionals

Project Need: Based upon the consensus of the Z359 committee and the leadership of ASSP.

Interest Categories: Fall Protection Safety Professionals

This standard establishes requirements for the design, performance, testing, marking, instruction, training, maintenance, and removal from service of hoists and synthetic rope haul systems for one or two persons. The rated working load of one-person hoists and synthetic rope haul systems shall range from 110 to 310 pounds (50 to 141 kg). The rated working load of two-person hoists and synthetic rope haul systems shall range from 110 to 620 pounds (50 to 282 kg).

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

Mili Washington <mwashington@iicrcnet.org> | 4043 S Eastern Ave., | Las Vegas, NV 89119 https://www.iicrc.org

New Standard

BSR/IICRC S410-202x, Standard for Professional Cleaning of the Built Environment for Infection Control (new standard)
Stakeholders: Anyone who performs cleaning of indoor environments affected by germs and pathogens including professional cleaners and cleaning operations who clean residential properties, schools, congregant and community living facilities, group homes, commercial property and facility managers and all cleaning companies whether in-house or contract services, including cleaning technicians. It also informs regulatory bodies.

Project Need: The cleaning industry does not currently have a standard on effective infection prevention and control for cleaners who maintain the built environment. This standard will focus on the principles, methods, and processes to clean and sanitize the built environment. We define the built environment as materials, building assemblies, structures, furniture, fixtures, and equipment located inside a building envelope. Further, this standard will focus on how to establish goals and verify results in reaching a hygienically clean outcome. An American National Standard would provide guidance on proper cleaning and remediation procedures with antimicrobial biocides.

Interest Categories: Users, Producers, and General Interest.

This standard will provide practical principles, methods, and processes to clean, sanitize, and evaluate the cleaning of the built environment. Further, this Standard will focus on reaching a hygienically clean outcome with verifiable results. This standard will also establish methods and processes to document, clean, sanitize, disinfect, and evaluate facilities that require a higher level of cleaning. This standard does not cover cleaning of healthcare or agricultural facilities.

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 HMMA 860-202X, Guide Specifications for Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 860-2018)
Stakeholders: Engineers, Architects, and members of the Hollow Metal industry.

Project Need: This standard addresses the specification and use of hollow metal doors and frames. This standard contains advisory information only, and is published as a public service by NAAMM and its HMMA Division. Several cited references have changed since the last issuance of this standard, as well as as the ANSI Essential Requirements. This revision will address these changes as well as any other modifications that arise during the revision process.

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 standard has been scheduled for revision by the HMMA Division of NAAMM to provide opinions and guidance regarding the specification and application of hollow metal doors and frames.

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 HMMA 861-202x, Guide Specifications for Commercial Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 861-2014)
Stakeholders: Engineers, Architects, and members of the Hollow Metal industry.

Project Need: This standard addresses the specification and use of commercial hollow metal doors and frames. This standard contains advisory information only, and is published as a public service by NAAMM and its HMMA Division. Several cited references have changed since the last issuance of this standard, as well as as the ANSI Essential Requirements. This revision will address these changes as well as any other modifications that arise during the revision process.

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 standard has been scheduled for revision by the HMMA Division of NAAMM to provide opinions and guidance regarding the specification and application of commercial hollow metal doors and frames.

NEMA (ASC C78) (National Electrical Manufacturers Association)

Michael Erbesfeld <Michael.Erbesfeld@nema.org> | 1300 N 17th St | Rosslyn, VA 22209 www.nema.org

Revision

BSR C78.51-202X, Electric Lamps - LED (Light Emitting Diode) Lamps - Method of Designation (revision of ANSI C78.51 -2016 (R2022))
Stakeholders: Manufacturers, Designers, Testing Laboratories, End Users

Project Need: This revision project is needed to correct reference inaccuracies.

Interest Categories: Producers, Users, General Interest

This standard describes a system for the designation of integrally ballasted Solid State Lighting (SSL) lamps that have standardized characteristics. Lamps with clear, frosted, opaque, or prescription lenses, and with various reflector and/or emitting coatings are covered. Lamps covered in this standard contain LED-based light sources. The lamps may be connected to the branch circuit or to another voltage suitable for lighting applications, such as 12 V AC or DC. This document is intended to allocate lamp codes for new lamps that are not direct replacements for lamps with existing ANSI Lamp Codes or Lamp Designations. OLED lamps are not included at this time.

TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

National Adoption

BSR/TIA 671-202x, Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 1: Enhanced macro bend loss multimode 50 m core diameter fibres - General and guidance (identical national adoption of IEC 63267-1:2023)
Stakeholders: Telecom

Project Need: Adopt identical ISO or IEC standard

Interest Categories: User, Producer and General Interest

To adopt IEC 63267-1:2023, Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 1: Enhanced macro bend loss multimode 50 m core diameter fibres - General and guidance

TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

National Adoption

BSR/TIA 672.1-202x, Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-1: Connection parameters of physically contacting 50 m core diameter fibres non-angled (identical national adoption of IEC 63267-2-1:2024)
Stakeholders: Telecommunications Industry

Project Need: Adopt identical ISO or IEC standard

Interest Categories: User, Producer and General Interest

To adopt IEC 63267-2-1:2024, Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-1: Connection parameters of physically contacting 50 m core diameter fibres - Non-angled

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 3601-202x, Standard for Circular Economy of Lithium-ion Batteries (new standard)
Stakeholders: Lithium-ion battery pack manufacturers and original equipment manufacturers who incorporate lithium-ion batteries into products.

Project Need: Battery technologies are rapidly evolving alongside increased scrutiny on the environmental footprint of batteries. The standard will provide needed guidance to battery pack manufacturers of lithium-ion batteries to implement best-practices to improve the environmental footprint of the product and promote battery circularity. While there are standards covering circularity and lithium-ion batteries, there is an urgent need for a blueprint for circularity tailored to the manufacturing of lithium-ion batteries.

Interest Categories: Producers; Manufacturers; Original Equipment Manufacturers; Users; Repair and refurbishment.

The draft standard on the circularity of lithium-ion batteries outlines a comprehensive framework for the lifecycle management of lithium-ion batteries, with a focus on promoting sustainability and resource efficiency. It encompasses guidelines for the materials, design, production, usage, and end-of-life treatment of batteries, aiming to maximize their service life, facilitate their reuse and recycling, and minimize environmental impact. The standard addresses raw material sourcing to address social and environmental concerns, the need for improved battery design to enable easier disassembly and material recovery, the establishment of efficient collection systems, and the development of advanced recycling processes to recover valuable materials. It also includes criteria for assessing the environmental footprint of batteries and encourages the adoption of best practices in the manufacturing industry to support a circular economy for lithium-ion batteries.

USEMCSC (United States EMC Standards Corp.)

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

Revision

BSR C63.23-202x, Guide for Electromagnetic Compatibility—Computations and Treatment of Measurement Uncertainty (revision and redesignation of ANSI C63.23-2012 (R2020))
Stakeholders: EMC and radio test laboratories and equipment manufacturers, laboratory accreditation bodies, government agencies, manufacturers

Project Need: This project is needed to address measurement uncertainty for a number of wireless transmitter measurements contained in C63.10 and C63.26, which are not currently addressed by C63.23

Interest Categories: Government General Interest Manufacture Professional Services Trade Association Test Lab

This PINS is intended to address the following topics to be incorporated into the revision: (1) Editorial corrections as required; (2) Addition of measurement uncertainty for the following measurements required for intentional radiators: (a) Output power; (b) Frequency stability; (c) Emission mask assessments; (d) Signal substitution; (e) Other test as required.

USEMCSC (United States EMC Standards Corp.)

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

Revision

BSR C63.29-202x, Standard for Methods of Measurement of Radio-Frequency Emissions from Lighting Devices (revision and redesignation of ANSI C63.29-2022)
Stakeholders: Telecom, consumer, test laboratories, certification bodies, trade associations, manufacturers, product designers, and regulators.

Project Need: Lighting equipment continues to develop into digital technologies and new use cases. Developing new EMI test methods will support testing laboratories, industry members, and users with better characterizing the modern lighting equipment RF emissions

Interest Categories: Manufacturer, Government, General Interest, Professional Society, Trade Association, Calibration Laboratory, Service Provider - Testing (e.g. Test Laboratory), Other

Revise the standard to add testing methods for additional lighting equipment such as color selectable, pulse width modulation (PWM) lighting equipment, multichannel lighting equipment, horticulture (plant growing) equipment, and mains connected lighting controls. The generic text from C63.4 to be removed and just cite the standard. Li-Fi communications; burglar-alarm sensors in lighting (non-radio portion).

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: June 30, 2024

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

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

Addenda

BSR/ASHRAE Addendum k to Standard 209-202x, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 209-2018)
This addendum (1) adds predictive analysis to the language, (2) adds flexibility to the requirements regarding a financial analysis and goals, (3) adds informative notes/clarifies the language, and (4) streamlines/makes the charrette more productive by requiring a list of potential EEMs be required to be brought to the charrette.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

FM (FM Approvals)

One Technology Way, Norwood, MA 02062 | josephine.mahnken@fmapprovals.com, www.fmapprovals.com

Revision

BSR/FM 4478-202x, Roof Mounted Rigid Photovoltaic Modules (revision of ANSI/FM 4478-2014)
This standard provides a procedure for evaluating rigid photovoltaic modules for their performance in regard to fire from above the structural deck, simulated wind uplift, and susceptibility from hail storm damage.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Josephine Mahnken <josephine.mahnken@fmapprovals.com>

Comment Deadline: June 30, 2024

RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

Revision

BSR/RVIA DC-202x, Standard for DC Voltage Systems in Recreational Vehicles (revision and redesignation of ANSI/RVIA LV-2020)
This standard covers the installation of DC voltage electrical systems and devices within recreational vehicles.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Tyler Reamer <treamer@rvia.org>

RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

Revision

BSR/RVIA EXTLAD-1-202x, Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (revision of ANSI/RVIA EXTLAD-1-2019)
The purpose of this standard of laboratory test procedures shall provide minimum safety criteria through uniform testing regarding capacity rating and performance attributes for exterior ladders installed and used on recreational vehicles in order to enhance safety for users.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Tyler Reamer <treamer@rvia.org>

SDI (ASC A250) (Steel Door Institute)

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

Revision

BSR A250.4-202x, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2022)
The primary purpose of this procedure shall be to establish a standard method of testing the performance of a steel door mounted in a hollow metal or channel iron frame installed with appropriate anchors, under conditions that might reasonably be considered an accelerated field operating condition.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Linda Hamill <leh@wherryassoc.com>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 834-202x, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric (revision of ANSI/UL 834-2019)
The following topic is being proposed: (1) Updates to align with UL style manual.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

Comment Deadline: June 30, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1082-202x, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances (revision of ANSI/UL 1082-2023)
(1) Adding DC voltage as output of equipment for Dielectric Voltage-Withstand; (2) Revisions to references to UL 4200A to Update Standard Title and Reference to Supplement SB Products Based on Reese's Law.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC | akhira.watson@ul.org, https://ulse.org/

Revision

BSR/UL 1699B-202x, Standard for Photovoltaic (PV) DC Arc-Fault Circuit Protection (revision of ANSI/UL 1699B -2024)
A proposed revision to UL 1699B, Standard for Photovoltaic (PV) DC Arc-Fault Circuit Protection, which includes the following: (1) Allowance of alternative test method according to an IEC standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: 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, Suite 20000, Evanston, IL 60201 | Susan.P.Malohn@ul.org, https://ulse.org/

Revision

BSR/UL 3730-202x, Standard for Safety for Photovoltaic Junction Boxes (revision of ANSI/UL 3730-2017 (R2021))
(1) Modification of Corrosive Atmosphere Tests, Section 34, to reference the Corrosive Atmosphere Tests in the Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules, UL 2703.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: July 15, 2024

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR ABMA/ISO 15242-4-2018 (R202x), Rolling Bearings - Measuring Methods for Vibration - Part 4: Radial Cylindrical Roller Bearings with Cylindrical Bore and Outside Surface (reaffirm a national adoption ANSI ABMA/ISO 15242-4-2018)
This standard specifies vibration measuring methods for single-row and double-row radial cylindrical roller bearings with cylindrical bore and outside surface, under established measurement conditions.
Single copy price: $110.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

Comment Deadline: July 15, 2024

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 104-2016 (R202x), Rolling bearings - Thrust bearings - Boundary dimensions, general plan (reaffirm a national adoption ANSI/ABMA/ISO 104-2016)
This International Standard specifies preferred boundary dimensions for single-direction and double-direction thrust bearings with flat back faces. In addition, it gives the minimum bore diameters of housing washers and maximum outside diameters of shaft washers of bearings in dimension series 11, 12, 13, 14, 22, 23 and 24. Guidelines for the extension of this International Standard for single-direction thrust bearings are given in Annex A.
Single copy price: $125.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 3290-1:2014 (R202x), Rolling bearings - Balls - Part 1: Steel balls (reaffirm a national adoption ANSI/ABMA/ISO 3290-1:2014)
This standard specifies requirements for finished steel balls for rolling bearings.
Single copy price: $90.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 3290-2:2014 (R202x), Rolling bearings - Balls - Part 2: Ceramic balls (reaffirm a national adoption ANSI/ABMA/ISO 3290-2:2014)
This standard specifies requirements for finished silicon nitride balls for rolling bearings.
Single copy price: $90.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 10285-2009 (R202x), Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances (reaffirm a national adoption ANSI/ABMA/ISO 10285-2009 (R2015))
This standard specifies the boundary dimensions, tolerances and definitions for sleeve-type linear motion ball bearings.
Single copy price: $60.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

Comment Deadline: July 15, 2024

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 15242-1-2016 (R202x), Rolling bearings - Measuring methods for vibration - Part 1: Fundamentals (reaffirm a national adoption ANSI/ABMA/ISO 15242-1-2016)
This standard specifies measuring methods for vibration of rotating rolling bearings under established measuring conditions, together with calibration of the related measuring systems.
Single copy price: $90.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 15242-2-2016 (R202x), Rolling bearings - Measuring methods for vibration - Part 2: Radial ball bearings with cylindrical bore and outside surface (reaffirm a national adoption ANSI/ABMA/ISO 15242-2-2016)
This standard specifies vibration measuring methods for single-row and double-row radial ball bearings, with a contact angle up to and including 45°. It covers radial ball bearings with cylindrical bore and outside surface, except bearings with filling slots and three- and four-point-contact ball bearings.
Single copy price: $60.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 15242-3-2018 (R202x), Rolling bearings - Measuring methods for vibration - Part 3: Radial spherical and tapered roller bearings with cylindrical bore and outside surface (reaffirm a national adoption ANSI/ABMA/ISO 15242-3-2018)
This standard specifies vibration measuring methods for double-row radial spherical roller bearings and single-row and double-row radial tapered roller bearings, with cylindrical bore and outside surface and a contact angle up to and including 45°, under established measuring conditions.
Single copy price: $60.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA/ISO 15243-2017 (R202x), Rolling bearings - Damage and failures - Terms, characteristics and causes (reaffirm a national adoption ANSI/ABMA/ISO 15243-2017)
This standard classifies different modes of failure occurring in service for rolling bearings made of standard bearing steels. For each failure mode, it defines and describes the characteristics, appearance, and possible root causes of failure. It will assist in the identification of failure modes based on appearance.
Single copy price: $184.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson, olson@americanbearings.org

Comment Deadline: July 15, 2024

AGMA (American Gear Manufacturers Association)

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

Reaffirmation

BSR/AGMA 6035-A02 (R202x), Design, Rating and Application of Industrial Globoidal Wormgearing (reaffirmation of ANSI/AGMA 6035-A02 (R2019))
This standard provides guidelines for the design, rating, and application of globoidal wormgearing mounted with axes at a 90-degree angle. Specific definitions for globoidal wormgearing terms are presented, along with formulas for determining the geometric sizes of the major features for the worm and gear. Design considerations, design procedures, gear blanks, and self-locking conditions are also discussed. Procedures for rating the load capacity of globoidal wormgearing are included.
Single copy price: $310.00
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 | olson@agma.org, www.agma.org

Reaffirmation

BSR/AGMA 6135-A02 (R202x), Design, Rating and Application of Industrial Globoidal Wormgearing (Metric Edition) (reaffirmation of ANSI/AGMA 6135-A08 (R2019))
This standard provides guidelines for the design, rating, and application of globoidal wormgearing mounted with axes at a 90-degree angle. Specific definitions for globoidal wormgearing terms are presented, along with formulas for determining the geometric sizes of the major features for the worm and gear. Design considerations, design procedures, gear blanks, and self-locking conditions are also discussed. Procedures for rating the load capacity of globoidal wormgearing are included.
Single copy price: $310.00
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

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

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

New Standard

BSR/APCO 1.124.1-202X, Supplemental Emergency Responder Recommendations (new standard)
As some local governments are now looking for alternatives to response options, 9-1-1 calls that traditionally resulted in the dispatch of law, medical or fire response, may be replaced, or supplemented, by alternative responder recommendations. This document is intended to provide guidance on how to work with alternate providers and incorporate such responses into the traditional 9-1-1 landscape. This document will address how the ECC can incorporate call taking processes currently in place to adapt to the use of alternative responders, including potential dispatches in lieu of Law Enforcement, such as dispatch of social workers, psychiatrists, or other locally designated alternatives for non-violent situations. The document will not make recommendations as to what type of alternate responder should be engaged, rather it will focus on how an ECC can incorporate whatever recommendations, or directives, local leadership enacts into the operational workflow of the ECC.
Single copy price: Free
Obtain an electronic copy from: apcostandards@apcointl.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 15, 2024

API (American Petroleum Institute)

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

Revision

BSR/API 780, 2 Edition-202x, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (revision of ANSI/API 780-2013 (R2022))
The standard describes the recommended approach for assessing security risk widely applicable to the types of facilities operated by the petroleum and petrochemical industries and the security issues these industries face. The standard is intended for those responsible for conducting security risk assessments and managing security at these facilities. The method described in this standard is widely applicable to a full spectrum of security issues from theft to insider sabotage to terrorism.
Single copy price: $206.00
Obtain an electronic copy from: escuderod@api.org
Send comments (copy psa@ansi.org) to: Diana Escudero, escuderod@api.org

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

Revision

BSR/FCI 4-1-202x, Pressure Regulator Hydrostatistics Shell Test Method (revision of ANSI/FCI 4-1-2014 (R2019))
This standard establishes a method for conducting production hydrostatic testing of pressure regulator shells having bodies, bonnets, casings, and spring cases manufactured from any materials.
Single copy price: Free
Obtain an electronic copy from: fci@fluidcontrolsinstitute.org
Send comments (copy psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

Revision

BSR/FCI 85-1-202x, Standard for Production and Performance Testing of Steam Traps (revision of ANSI/FCI 85-1 -2019)
This standard specifies production and performance tests that are considered applicable to steam traps.
Single copy price: Free
Obtain an electronic copy from: fci@fluidcontrolsinstitute.org
Send comments (copy psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

FM (FM Approvals)

One Technology Way, Norwood, MA 02062 | josephine.mahnken@fmapprovals.com, www.fmapprovals.com

New Standard

BSR/FM 7730-202x, Explosion Venting Devices (new standard)
This standard contains requirements for devices used to protect vessels by venting internal pressure caused by deflagrations arising from the rapid burning of suspended dust in the protected volume. These devices are commonly referred to as explosion venting devices. The standard includes requirements for both standard and flameless explosion venting device product categories.
Single copy price: Free
Obtain an electronic copy from: josephine.mahnken@fmapprovals.com
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 15, 2024

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 S Eastern Ave.,, Las Vegas, NV 89119 | mwashington@iicrcnet.org, https://www.iicrc.org

New Standard

BSR/IICRC S400-202x, Standard for Professional Cleaning, Maintenance, and Restoration of the Commercial Built Environment (new standard)
This standard focuses on the commercial built environment and defines frequencies, objectives, results, principles, and practices to clean, maintain, and restore the built environment. The built environment is defined as materials, building assemblies, structures, furniture, fixtures, and equipment located inside a building envelope.
Single copy price: Free
Obtain an electronic copy from: https://iicrc.org/s400/
Send comments (copy psa@ansi.org) to: https://iicrc.org/s400/

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Revision

BSR C12.10-202x, Physical Aspects of Electricity Meters-Safety Standard (revision of ANSI C12.10-2011 (R2021))
This standard covers the physical aspects of both detachable and bottom-connected electricity meters. These include ratings, internal wiring arrangements, pertinent dimensions, markings, and other general specifications. Refer to the latest version of ANSI C12.1 for performance requirements.
Single copy price: $301.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Paul Orr <Pau_orr@nema.org>

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i180r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/75105/61i180r1%20-%20PFAS%20-%20JC%20Memo%20%26%20ballot.pdf
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

Comment Deadline: July 15, 2024

NSF (NSF International)

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

Revision

BSR/NSF/CAN 600-202x (i9r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2023)
The standard defines the toxicological review and evaluation procedures for the evaluation of substances imparted to drinking water through contact with drinking water system components (and drinking water additives). It is intended to establish the human health risk, if any, of the substances imparted to drinking water under the anticipated use conditions of the product. Table 4.1 of this Standard contains evaluation criteria that have been determined according to the requirements of this Standard.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/75146/600i9r1%20-%20Table%204.1%20-%20JC%20Memo%20%26%20Ballot.pdf
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

Revision

BSR/RESNET/ICC 850-202x, Standard for the Calculation and Labeling of the Water Use Performance of Dwelling and Sleeping Units Using a Water Rating Index (revision of ANSI/RESNET/ICC 850-2020)
The project is the update to Standard ANSI/RESNET/ICC 850-2020.
Single copy price: $55.00
Obtain an electronic copy from: Download by following the “ANSI Standards & Amendments Out For Public Comment” link on webpage, https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/
Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/, under link “ANSI Standards & Amendments Out for Public Comment”

SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | deanna@saiaonline.org, www.saiaonline.org

New Standard

BSR/SAIA A11.6-202x, Standard for Testing and Rating Scaffold Planks and Decks (new standard)
This standard provides methods for testing and rating the performance of planks and decks used in scaffolding, shoring, and forming applications.
Single copy price: Free
Obtain an electronic copy from: deanna@saiaonline.org
Send comments (copy psa@ansi.org) to: DeAnna Martin <deanna@saiaonline.org>

Comment Deadline: July 15, 2024

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

Reaffirmation

BSR/TIA 455-171-B-2019 (R202x), Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (reaffirmation of ANSI/TIA 455-171-B-2019)
Reaffirm ANSI/TIA 455-171-B, Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies. Entire standard is open for comment.
Single copy price: $123.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 340-2017 (R202x), Standard for Safety for Tests for Comparative Flammability of Liquids (reaffirmation of ANSI/UL 340-2017)
Reaffirmation and the continuance of the Sixth Edition of the Standard for Safety for Tests for Comparative Flammability of Liquids, UL 340, as an standard.
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 | Vickie.T.Hinton@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 60079-0-2020 (R202x), Standard for Explosive Atmospheres - Part 0: Equipment - General Requirements (reaffirm a national adoption ANSI/UL 60079-0-2020)
(1) Reaffirmation and continuance of the Seventh Edition of the Standard for Explosive Atmospheres – Part 0: Equipment – General Requirements, UL 60079-0, as an American National 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)

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

Reaffirmation

BSR/UL 80079-20-2-2020 (R202x), Standard for Safety for Explosive Atmospheres - Part 20-2: Material Characteristics - Combustible Dusts - Test Methods (reaffirm a national adoption ANSI/UL 80079-20-2-2020)
(1) Reaffirmation and continuance of the First Edition of the Standard for Safety for Explosive Atmospheres – Part 20-2: Material Characteristics – Combustible Dusts Test Methods, UL 80079-20-2, as an American National 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

Comment Deadline: July 15, 2024

USEMCSC (United States EMC Standards Corp.)

445 Hoes Lane, Piscataway, NJ 08854 | j.santulli@ieee.org

Revision

BSR C63.9-202x, Standard for Laboratory immunity testing of multimedia equipment (MME) exposed to RF sources (revision and redesignation of ANSI C63.9-2008 (R2014))
MME is becoming increasingly exposed to a variety of nearfield RF sources, i.e., mobile phones or portable licensed transmitters. There is a need to determine the immunity of these devices to such portable sources and to do it in a controlled EMC test laboratory where immunity levels can be repeated and reproduced. We will specify field uniformity and not have references to "audio" or GTEM cells or hand-held (near-field) techniques. There is a need to identify how to test such products by replicating the RF sources they are exposed to in the environment.
Single copy price: $62.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: Jennifer Santulli <J.Santulli@ieee.org>

USEMCSC (United States EMC Standards Corp.)

445 Hoes Lane, Piscataway, NJ 08854 | j.santulli@ieee.org

Supplement

BSR C63.10 amendment-202x, Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (supplement to ANSI C63.10 Corrigendum-2023)
This amendment will provide updated procedures for measurements of occupied bandwidth, emission bandwidth, and ultra-wideband equipment for compliance testing and is expected to be used by manufacturers, radio and EMC test laboratories, and regulatory authorities. This amendment of C63.10 will address the items mentioned in item 9, below.
Single copy price: $45.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: Jennifer Santulli <J.Santulli@ieee.org>

Comment Deadline: July 30, 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 A112.18.1/CSA B125.1-202x, Plumbing Supply Fittings Standard (revision of ANSI/ASME A112.18.1 -2012/CSA B125.1-2018)
This Standard covers plumbing supply fittings and accessories located between the supply stop and the terminal fitting, inclusive, as follows: (a) automatic compensating valves for individual wall-mounted showering systems; (b) bath and shower supply fittings; (c) bidet supply fittings; (d) clothes washer supply fittings; (e) commercial pre-rinse spray valves; (f) drinking fountain supply fittings; (g) humidifier supply stops; (h) kitchen, sink, and lavatory supply fittings; (i) laundry tub supply fittings; (j) lawn and sediment faucets; (k) low-pressure water dispensers; (l) metering and self-closing supply fittings; (m) shower heads, hand-held showers, and body sprays; and (n) supply stops.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Justin Cassamassino <cassasmassinoj@asme.org>

Comment Deadline: July 30, 2024

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 751-202x, Standard for Safety for Vending Machines (revision of ANSI/UL 751-2018)
(1) Clarify requirements for large nonmetallic exterior surface materials, (2) Addition of UV requirements with clarifications to scope and barrier requirements, (3) Alternate compliance option to include UL 62368-1, (4) Clarifications to controls requirements, (5) Clarifications to cabinet and enclosure requirements, (6)Clarifications to glass requirements, (7) Clarifying alternate compliance methods, (8) Clarifications to nonmetallic fastener requirements, (9) Clarifications to temperature test vend requirements, (10) Alternate compliance options for transformers and low voltage circuits, (11) Editorial corrections.
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.

ULSE (UL Standards & Engagement)

12 Laboratory Drive, RTP, NC 27709 | sean.mcalister@ul.org, https://ulse.org/

Revision

BSR/UL 8400-202x, Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment (revision of ANSI/UL 8400-2023)
The following changes and requirements are being proposed for your review: (1) Revision of Age requirements, (2) Revisions per UL 62368-1 and revision of Functional Safety requirements, (3) Revision of Skin Compatibility requirements, (4) Revision of Biomechanical Stress requirements, (5) Revision of safety and warning instructions, (6) Clarification of Transmittance testing, (7) Clarification of Flicker testing, (8) Revisions to incorporate UL 4200A, Products Incorporating Button Batteries or Coin Cell Batteries, (9) Revision to scope of the Standard.
Single copy price: Free
Order from: https://www.shopulstandards.com/
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

Project Withdrawn

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

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S651 MonYear-202x, Electric Tractor Battery System - Test and Performance Requirements (new standard)
Send comments (copy psa@ansi.org) to: Carla VanGilder <vangilder@asabe.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | Karenvan@HL7.org, www.hl7.org

ANSI/HL7 V3 PM, R1-2005 (R2019), HL7 Version 3 Standard: Personnel Management, Release 1 (reaffirmation of ANSI/HL7 V3 PM, R1-2005 (R2014))
Send comments (copy psa@ansi.org) to: Questions may be directed to: Karen Van Hentenryck <Karenvan@HL7.org>

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | Karenvan@HL7.org, www.hl7.org

ANSI/HL7 V3 SC, R2-2014 (R2019), HL7 Version 3 Standard: Scheduling, Release 2 (reaffirmation of ANSI/HL7 V3 SC, R2-2014)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Karen Van Hentenryck <Karenvan@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.

ATIS (Alliance for Telecommunications Industry Solutions)

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

ANSI/ATIS 0300091-2024, Structure for Global Serialization of Information and Communications Technology (ICT) Network Infrastructure Equipment (revision of ANSI/ATIS 0300091-2018) Final Action Date: 5/20/2024 | *Revision*

ANSI/ATIS 0300220-2024, Structure for the Representation of the Communications Industry Manufacturers, Suppliers, and Related Service Companies for Information Exchange (revision of ANSI/ATIS 0300220-2018) Final Action Date: 5/20/2024 | *Revision*

AWS (American Welding Society)

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

ANSI/AWS D14.6/D14.6M-2024, Specification for Welding of Rotating Elements of Equipment (new standard) Final Action Date: 5/23/2024 | *New Standard*

CGA (Compressed Gas Association)

8484 Westpark Drive, Suite 220, McLean, VA 22102 | kmastromichalis@cganet.com, www.cganet.com

ANSI/CGA G-13-2024, Storage and Handling of Silane and Silane Mixtures (revision of ANSI/CGA G-13-2016) Final Action Date: 5/20/2024 | *Revision*

CTA (Consumer Technology Association)

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

ANSI/CTA 2049-B-2024, Determination of Small Network Equipment Energy Consumption (revision of ANSI/CTA 2049-A-2020) Final Action Date: 5/22/2024 | *Revision*

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

ANSI/IEEE 1937.11-2024, Standard for Technical Requirements of Polar Coordinate Photogrammetry Based on Unmanned Aircraft Systems (new standard) Final Action Date: 5/21/2024 | *New Standard*

NSF (NSF International)

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

ANSI/NSF 336-2024 (i5r1), Sustainability Assessment for Commercial Furnishings Fabric (revision of ANSI/NSF 336 -2018) Final Action Date: 5/21/2024 | *Revision*

ANSI/NSF 455-2-2024 (i54r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022) Final Action Date: 5/21/2024 | *Revision*

ANSI/NSF 455-4-2024 (i44r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4 -2022) Final Action Date: 5/23/2024 | *Revision*

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

ANSI/TIA 455-C-2014 (R2024), General Requirements for Standard Test Procedures for Optical Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and Other Fiber Optic Components (reaffirmation of ANSI/TIA 455-C-2014) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-16-A-2000 (R2024), FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components (reaffirmation of ANSI/TIA 455-16-A-2000 (R2014)) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-25-D-2016 (R2024), FOTP-25 Impact Testing of Optical Fiber Cables (reaffirmation of ANSI/TIA 455-25-D -2016) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-56C-2009 (R2024), Test Method for Evaluating Fungus Resistance of Optical Fiber and Cable (reaffirmation of ANSI/TIA 455-56C-2009 (R2017)) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-71-A-1999 (R2024), FOTP-71 Procedure to Measure Temperature-Shock Effects on Fiber Optic Components (reaffirmation of ANSI/TIA 455-71-A-1999 (R2014)) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-86-A-2014 (R2024), FOTP-86 Optical Fiber Cable Jacket Shrinkage (reaffirmation of ANSI/TIA 455-86-A -2014) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-104-B-2016 (R2024), FOTP-104 Fiber Optic Cable Cyclic Flexing Test (reaffirmation of ANSI/TIA 455-104-B -2016) Final Action Date: 5/21/2024 | *Reaffirmation*

ANSI/TIA 455-234-A-2018 (R2024), FOTP-234 IEC-60793-1-52 Optical Fibres - Part 1-52: Measurement Methods and Test Procedures - Change of Temperature (reaffirm a national adoption ANSI/TIA 455-234-A-2018) Final Action Date: 5/21/2024 | *Reaffirmation*

ULSE (UL Standards & Engagement)

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

ANSI/UL 60745-2-18-2009 (R2024), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2 -18: Particular Requirements For Strapping Tools (reaffirm a national adoption ANSI/UL 60745-2-18-2009) Final Action Date: 5/17/2024 | *Reaffirmation*

ANSI/UL 60745-2-22-2014 (R2024), UL Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-22: Particular Requirements for Cut-Off Machines (reaffirm a national adoption ANSI/UL 60745-2-22-2014) Final Action Date: 5/23/2024 | *Reaffirmation*

ANSI/UL 120101-2019 (R2024), Standard for Safety for Definitions and Information Pertaining to Electrical Equipment in Hazardous Locations (reaffirmation of ANSI/UL 120101-2019) Final Action Date: 5/23/2024 | *Reaffirmation*

ANSI/UL 1660-2024, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI-UL 1660-2023) Final Action Date: 5/23/2024 | *Revision*

ANSI/UL 3100-2024, Standard for Safety for Automated Mobile Platforms (AMPs) (revision of ANSI/UL 3100-2023) Final Action Date: 5/23/2024 | *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.

API (American Petroleum Institute)

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

BSR/API 780, 2 Edition-202x, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (revision of ANSI/API 780-2013 (R2022))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S642.1 MONYEAR-202x, Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (revision and redesignation of ANSI/ASABE S642-SEPT2018)

ASSP (Safety) (American Society of Safety Professionals)

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

BSR/ASSP Z359.21-202x, Safety Requirements for Hoists and Synthetic Rope Haul Systems (new standard)

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

BSR/FCI 4-1-202x, Pressure Regulator Hydrostatistics Shell Test Method (revision of ANSI/FCI 4-1-2014 (R2019))

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | fci@fluidcontrolsinstitute.org, www.fluidcontrolsinstitute.org

BSR/FCI 85-1-202x, Standard for Production and Performance Testing of Steam Traps (revision of ANSI/FCI 85-1 -2019)

NAAMM (National Association of Architectural Metal Manufacturers)

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

BSR/NAAMM HMMA 860-202X, Guide Specifications for Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 860-2018)

NAAMM (National Association of Architectural Metal Manufacturers)

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

BSR/NAAMM HMMA 861-202x, Guide Specifications for Commercial Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 861-2014)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i180r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

NSF (NSF International)

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

BSR/NSF/CAN 600-202x (i9r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2023)

SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | deanna@saiaonline.org, www.saiaonline.org

BSR/SAIA A11.6-202x, Standard for Testing and Rating Scaffold Planks and Decks (new standard)

SDI (ASC A250) (Steel Door Institute)

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

BSR A250.4-202x, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2022)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 455-171-B-2019 (R202x), Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (reaffirmation of ANSI/TIA 455-171-B-2019)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 671-202x, Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 1: Enhanced macro bend loss multimode 50 m core diameter fibres - General and guidance (identical national adoption of IEC 63267-1:2023)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 672.1-202x, Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-1: Connection parameters of physically contacting 50 m core diameter fibres non-angled (identical national adoption of IEC 63267-2-1:2024)

ULSE (UL Standards & Engagement)

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

BSR/UL 340-2017 (R202x), Standard for Safety for Tests for Comparative Flammability of Liquids (reaffirmation of ANSI/UL 340-2017)

ULSE (UL Standards & Engagement)

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

BSR/UL 751-202x, Standard for Safety for Vending Machines (revision of ANSI/UL 751-2018)

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

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

CSA - CSA America Standards Inc.

Comment Deadline: July 1, 2024

CSA America Standards Inc., an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on CSA-sponsored American National Standards, under which it was last reaccredited in 2017. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Peter Glowacki, CSA America, Inc. (CSA) | 178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario M9W 1R3 | (416) 747-2602, peter.glowacki@csagroup.org To view/download a copy of the revisions during the public review period, click here.

Please submit any public comments on the revised procedures to CSA by **July 1, 2024**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

ABMA (ASC B3)
American Bearing Manufacturers Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
www.americanbearings.org

Phillip Olson
olson@americanbearings.org

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

Phillip Olson
olson@agma.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
www.apcoIntl.org

Aimee Jarrell
jarrella@apcointl.org

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

Diana Escudero
EscuderoD@api.org

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

Carla Companion
companion@asabe.org

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

Carmen King
cking@ashrae.org

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

Lauren Bauerschmidt
LBauerschmidt@assp.org

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

Annie Brown
abrown@atis.org

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

Kevin Bulger
kbulger@aws.org

CGA
Compressed Gas Association
8484 Westpark Drive, Suite 220
McLean, VA 22102
www.cganet.com

Kristy Mastromichalis
kmastromichalis@cganet.com

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
www.cta.tech

Catrina Akers
cakers@cta.tech

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
www.fluidcontrolsinstitute.org

Leslie Schraff
fci@fluidcontrolsinstitute.org

FM
FM Approvals
One Technology Way
Norwood, MA 02062
www.fmapprovals.com

Josephine Mahnken
josephine.mahnken@fmapprovals.com

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org

Karen Evangelista
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IICRC
The Institute of Inspection, Cleaning and Restoration Certification
4043 S Eastern Ave.,
Las Vegas, NV 89119
https://www.iicrc.org

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NAAMM
National Association of Architectural Metal Manufacturers
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NEMA (ASC C12)
National Electrical Manufacturers Association
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Rosslyn, VA 22209
www.nema.org

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NEMA (ASC C78)
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Rosslyn, VA 22209
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RESNET
Residential Energy Services Network, Inc.
P.O. Box 4561
Oceanside, CA 92052
www.resnet.us.com

Richard Dixon
rick.dixon@resnet.us

RVIA
Recreational Vehicle Industry Association
2465 J-17 Centreville Road, #801
Herndon, VA 20171
www.rvia.org

Tyler Reamer
treamer@rvia.org

SAIA (ASC A11)
Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
www.saiaonline.org

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

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TIA
Telecommunications Industry Association
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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

Cleaning equipment for air and other gases (TC 142)

ISO/DIS 5371, Containment high efficiency filtration unit (CHEFU) in ventilation system of biosafety facilities - 8/11/2024, $82.00

Dentistry (TC 106)

ISO/DIS 15087, Dentistry - Dental elevators - 8/10/2024, $58.00

Fluid power systems (TC 131)

ISO/DIS 10767-3, Hydraulic fluid power - Determination of pressure ripple levels generated in systems and components - Part 3: Method for motors - 8/9/2024, $107.00

ISO/DIS 15086-2, Hydraulic fluid power - Determination of the fluid-borne noise characteristics of components and systems - Part 2: Measurement of the speed of sound in a fluid in a pipe - 8/9/2024, $88.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19177-1, Geographic information - Geospatial API for tiles - Part 1: Core - 8/11/2024, $134.00

Industrial automation systems and integration (TC 184)

ISO 17506:2022/DAmd 1, - Amendment 1: Industrial automation systems and integration - COLLADATM digital asset schema specification for 3D visualization of industrial data - Amendment 1: Elements name and explanations - 8/10/2024, $29.00

Non-destructive testing (TC 135)

ISO/DIS 2400, Non-destructive testing - Ultrasonic testing - Specification for standard block No. 1 - 8/9/2024, $46.00

Paper, board and pulps (TC 6)

ISO/DIS 11093-2, Paper and board - Testing of cores - Part 2: Conditioning of test samples - 8/12/2024, $33.00

Petroleum products and lubricants (TC 28)

ISO/DIS 13357-1, Petroleum products - Determination of the filterability of lubricating oils - Part 1: Procedure for oils in the presence of water - 8/11/2024, $67.00

Plastics (TC 61)

ISO/DIS 877-2, Plastics - Methods of exposure to solar radiation - Part 2: Direct weathering and exposure behind window glass - 8/11/2024, $46.00

Ships and marine technology (TC 8)

ISO/DIS 16681, Ships and marine technology - Pilot transfer arrangements - Ship hull securing equipment - 8/12/2024, $33.00

ISO/DIS 18131, Ships and marine technology - General requirements for publish-subscribe architecture on ship-shore data communication - 8/9/2024, $175.00

Sludge recovery, recycling, treatment and disposal (TC 275)

ISO/DIS 13610, Sludge recovery, recycling, treatment and disposal - Determination of calorific value of sludge - 8/10/2024, $71.00

Steel (TC 17)

ISO/DIS 5490, Steel - Rating and classifying nonmetallic inclusions using the scanning electron microscope - 8/10/2024, $77.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 17651-3, Simultaneous interpreting - Interpreters' working environment - Part 3: Requirements and recommendations for interpreting hubs - 8/10/2024, $53.00

Timber (TC 218)

ISO/DIS 13061-15, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 15: Determination of radial and tangential swelling - 8/11/2024, $33.00

ISO/DIS 13061-16, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 16: Determination of volumetric swelling - 8/11/2024, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 6048-1, Information technology - JPEG AI learning-based image coding system - Part 1: Core coding system - 8/11/2024, $165.00

ISO/IEC DIS 21122-4, Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing - 8/9/2024, $82.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1015/CDV, IEC 63522-44 ED1: Electrical relays - Tests and Measurements - Part 44: Corrosive atmosphere due to salt mist, 08/16/2024

94/1016/CDV, IEC 63522-49 ED1: Electrical relays - Tests and Measurements - Part 49: Long term stability of sealing, 08/16/2024

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

100/4138(F)/CDV, IEC 62680-1-2 ED7: Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification, 08/02/2024

100/4139(F)/CDV, IEC 62680-1-3 ED6: Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C cable and connector specification, 08/02/2024

Automatic controls for household use (TC 72)

72/1448/NP, PNW 72-1448 ED1: Automatic electrical controls - Part 2-24: Particular requirements for displacement electrical controls, 06/21/2024

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

46A/1675/CDV, IEC 61196-1-112 ED2: Coaxial communication cables - Part 1-112: Electrical test methods - Test for return loss and voltage standing wave ratio(VSWR), 08/16/2024

46F/672/CDV, IEC 63185 ED2: Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method, 08/16/2024

Documentation and graphical symbols (TC 3)

3/1665/CD, IEC 60445/AMD1 ED7: Amendment 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors, 07/19/2024

3/1670/CD, IEC 60617-C00292: IEC 60617 SDB classic procedure for change request C00292; IEC 60617-S01931 Bi-mode Insulated Gate Transistor, 07/19/2024

Electric traction equipment (TC 9)

9/3083/CD, IEC 63488 ED1: Railway applications - Technical criteria for the coordinations in neutral-section passing system for train, 08/16/2024

Electrostatics (TC 101)

101/714/CD, IEC TS 61340-5-4 ED2: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 07/19/2024

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

104/1060/CD, IEC 60721-3-5 ED3: Classification of environmental conditions - Part 3: Classificationof groups of environmental parameters and their severities -Section 5: Ground vehicle installations, 08/16/2024

104/1061/CD, Replaced by 104/1061A/CD, 08/16/2024

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

111/757(F)/CDV, IEC 63372 ED1: Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems - Principles, methodologies, requirements and guidance, 07/26/2024

Fibre optics (TC 86)

86B/4930/CD, IEC 61300-1/AMD2 ED5: Amendment 2 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance, 07/19/2024

86C/1922/CDV, IEC 62148-2/AMD1 ED2: Amendment 1 - Fibre optic active components and devices - Package and interface standards - Part 2: SFF 10-pin transceivers, 08/16/2024

Fire hazard testing (TC 89)

89/1586/CD, IEC 60695-2-10 ED4: Fire hazard testing - Part 2 -10: Glowing/Hot-wire based test methods - Glow-wire apparatus and common test procedure, 08/16/2024

High-voltage testing techniques (TC 42)

42/439/CD, IEC 62475 ED2: High-current test techniques - Definitions and requirements for test currents and measuring systems, 08/16/2024

Industrial-process measurement and control (TC 65)

65/1049/FDIS, IEC 61010-2-201 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment, 07/05/2024

Insulators (TC 36)

36A/247/CDV, IEC/IEEE 65700-19-03 ED2: Bushings for DC application, 08/16/2024

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1117/CDV, IEC 62288/AMD1 ED3: Amendment 1 - Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results, 08/16/2024

Measuring relays and protection equipment (TC 95)

95/576/DTS, IEC TS 60255-216-1 ED1: Measuring relays and protection equipment - Part 216-1: Digital Interface - General Requirements and Tests for Protection Functions using digital communication as input and output, 07/19/2024

Nuclear instrumentation (TC 45)

45B/1064/FDIS, IEC 63391 ED1: Active millimetre-wave systems for security screening of humans - General requirements, 07/05/2024

Standard voltages, current ratings and frequencies (TC 8)

8B/215/CD, IEC TS 63354 ED1: Guideline for the Planning and Design of DC or Hybrid Microgrids, 08/16/2024

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

121A/608/FDIS, IEC 60947-2 ED6: Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, 07/05/2024

121B/199/CDV, IEC 61439-8 ED1: Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations, 08/16/2024

121/168/CD, IEC 63058 ED1: Switchgear and controlgear and their assemblies for low voltage - Environmental aspects, 08/16/2024

(SyCSmartCities)

SyCSmartCities/343/CD, IEC SRD 63347-1 ED1: Smart city use case collection and analysis - Management of Public Health Emergencies in Smart Cities - Part 1: High Level Analysis, 07/19/2024

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC25/3238/CDV, ISO/IEC 14763-5 ED1: Information technology - Implementation and operation of customer premises cabling - Part 5 Sustainability, 08/16/2024

JTC1-SC25/3237/CDV, ISO/IEC 30129/AMD2 ED1: Amendment 2 - Information technology - Telecommunications bonding networks for buildings and other structures, 08/16/2024

Newly Published ISO & IEC Standards

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

ISO Standards

Agricultural food products (TC 34)

ISO 15914-2:2024, Animal feeding stuffs - Enzymatic determination of total starch content - Part 2: Method by enzymatic determination with a hexokinase system and potassium hydroxide dispersion, $81.00

Audit data collection (TC 295)

ISO 5405:2024, Audit data collection extension - Government regulated financial reports and payroll, $124.00

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

ISO 16311-1:2024, Maintenance and repair of concrete structures - Part 1: General principles, $166.00

Fine Bubble Technology (TC 281)

ISO 7428-1:2024, Fine bubble technology - Domestic applications - Part 1: Assessment of showerhead devices by evaluating size and concentration indices of generated fine bubbles, $124.00

Gas turbines (TC 192)

ISO 3977-9:2024, Gas turbines - Procurement - Part 9: Reliability, availability and maintainability, $124.00

Graphical symbols (TC 145)

ISO 7010:2019/Amd 8:2024, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 8, $23.00

Healthcare organization management (TC 304)

ISO/PAS 23617:2024, Healthcare organization management - Pandemic response (respiratory) - Guidance on medical support for socially vulnerable groups, $81.00

Industrial fans (TC 117)

ISO 12759-6:2024, Fans - Efficiency classification for fans - Part 6: Calculation of the fan energy index, $223.00

Paper, board and pulps (TC 6)

ISO 12625-5:2024, Tissue paper and tissue products - Part 5: Determination of wet tensile strength, $124.00

Petroleum products and lubricants (TC 28)

ISO 6963:2024, Bunker cargo loading from oil terminal to bunker tanker using Coriolis mass flow meter, $194.00

Plastics (TC 61)

ISO 8065:2024, Composites and reinforcements fibres - Mechanoluminescent visualization method of crack propagation for joint evaluation, $166.00

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

ISO 13265:2024, Thermoplastics piping systems for non-pressure underground drainage and sewerage - Joints for buried non-pressure applications - Test method for the long-term sealing performance of joints with elastomeric seals by estimating the sealing pressure, $124.00

Road vehicles (TC 22)

ISO 11452-3:2024, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 3: Transverse electromagnetic (TEM) cell, $166.00

ISO 11898-1:2024, Road vehicles - Controller area network (CAN) - Part 1: Data link layer and physical coding sublayer, $278.00

Rubber and rubber products (TC 45)

ISO 6134:2024, Rubber hoses and hose assemblies for saturated steam - Specification, $81.00

ISO 7270-2:2024, Rubber - Analysis by pyrolytic gas-chromatographic methods - Part 2: Determination of styrene/butadiene/isoprene ratio, $81.00

Ships and marine technology (TC 8)

ISO 24146-1:2024, Ships and marine technology - Shipboard waste on inland navigation vessels - Part 1: On board management and handling, $194.00

Solid biofuels (TC 238)

ISO 17830:2024, Solid biofuels - Particle size distribution of disintegrated pellets, $81.00

ISO 17827-1:2024, Solid biofuels - Determination of particle size distribution for uncompressed fuels - Part 1: Oscillating screen method using sieves with apertures of 3,15 mm and above, $81.00

ISO 17827-2:2024, Solid biofuels - Determination of particle size distribution for uncompressed fuels - Part 2: Vibrating screen method using sieves with apertures of 3,15 mm and below, $81.00

Steel (TC 17)

ISO 11772:2024, Hot-rolled longitudinally profiled steel plate, $124.00

(TC 323)

ISO 59004:2024, Circular economy - Vocabulary, principles and guidance for implementation, $250.00

ISO 59010:2024, Circular economy - Guidance on the transition of business models and value networks, $223.00

ISO 59020:2024, Circular economy - Measuring and assessing circularity performance, $250.00

Tobacco and tobacco products (TC 126)

ISO 4906:2024, Tobacco and tobacco products - Determination of filling power for preparation of fine-cut smoking articles - Constant-weight pressurization, $54.00

ISO 6080:2024, Tobacco heating systems - Vocabulary, $54.00

ISO 5501-1:2024, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 1: Electrically heated tobacco products (eHTPs), $81.00

ISO 5501-2:2024, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 2: Aerosol heated tobacco products (aHTPs), $81.00

ISO 5501-3:2024, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 3: Carbon heated tobacco products (cHTPs), $81.00

Traditional Chinese medicine (TC 249)

ISO 5076:2024, Traditional Chinese medicine - Angelica dahurica root, $81.00

ISO 13619:2024, Traditional Chinese medicine - Gardenia jasminoides fruit, $124.00

ISO Technical Reports

(TC 323)

ISO/TR 59032:2024, Circular economy - Review of existing value networks, $223.00

ISO Technical Specifications

Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO/TS 23824:2024, Medical laboratories - Guidance on application of ISO 15189 in anatomic pathology, $194.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14763-3:2024, Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling, $278.00

ISO/IEC TS 30149:2024, Internet of Things (IoT) - Trustworthiness principles, $194.00

IEC Standards

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

IEC 63177 Ed. 1.0 b:2024, Test methods for compatibility of construction materials with electrical insulating liquids, $148.00

Printed Electronics (TC 119)

IEC 62899-203 Ed. 2.0 en:2024, Printed electronics - Part 203: Materials - Semiconductor ink, $193.00

S+ IEC 62899-203 Ed. 2.0 en:2024 (Redline version), Printed electronics - Part 203: Materials - Semiconductor ink, $329.00

Accreditation Announcements (U.S. TAGs to ISO)

Public Review of Application for Accreditation of a U.S. TAG to ISO

TC 349, Cultural heritage conservation

Comment Deadline: July 1, 2024

The **National Information Standards Organization Z39 (NISO)** has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 349, Cultural heritage conservation, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. To obtain a copy of the TAG application or to offer comments, please contact: Todd A. Carpenter, National Information Standards Organization: 3600 Clipper Mill Road Suite 302, Baltimore, MD 21211, P: (301) 654-2512 E: tcarpenter@niso.org. Please submit any comments to by July 1, 2024 (please copy (jthompso@ANSI.org)

Transfer of TAG Administrator – U.S. TAG to ISO

TC 260, Human resource management

Effective June 23, 2024

The U.S. Technical Advisory Group to ISO **TC 260, *Human resource management*** has voted to approve the transfer of TAG Administrator responsibilities from the American National Standards Institute to the HR Certification Institute (HRCI). The TAG will continue to operate under its currently accredited operating procedures.

For additional information or to submit comments, please contact: Michaela Miller, Sr. Program Manager, Standards Facilitation, American National Standards Institute, 25 W 43rd Street, 4th Floor, New York, NY 10036; ph. 212.642.8934; email: mmiller@ansi.org (please copy jthompso@ansi.org). If no comments are received by June 23, 2024, this action will be formally approved, effective that date.

International Organization for Standardization (ISO)

Accreditation Announcements (US TAGs to ISO)

Transfer of TAG Administrator (US TAG to ISO TC 260)

Comment Deadline: June 23, 2024

The U.S. Technical Advisory Group to ISO **TC 260, *Human resource management*** has voted to approve the transfer of TAG Administrator responsibilities from the American National Standards Institute to the HR Certification Institute (HRCI). The TAG will continue to operate under its currently accredited operating procedures.

For additional information or to submit comments, please contact: Michaela Miller, Sr. Program Manager, Standards Facilitation, American National Standards Institute, 25 W 43rd Street, 4th Floor, New York, NY 10036; ph. 212.642.8934; email: mmiller@ansi.org (please copy jthompso@ansi.org). If no comments are received by June 23, 2024, this action will be formally approved, effective that date.

Call for U.S. TAG Administrator

ISO/TC 137 – Footwear sizing designations and marking systems

Comment Deadline: May 31, 2024

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 137 – *Footwear sizing designations and marking systems* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by South Africa (SABS).

ISO/TC 137 operates under the following scope:

Standardization of footwear sizing systems based on the measurement of the foot, and the designation and marking of such sizes; standardization of sizing ranges (unit and intervals); standardization of a system of calibrating the last or equivalent equipment; including the use of digital data, and terminology.

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

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 190 – Soil quality

Comment Deadline: May 31, 2024

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 190 – *Soil quality*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:
ISO/TC 190 – *Soil quality*: Germany (DIN)
ISO/TC 190/SC 3 – *Chemical and physical characterization*: Germany (DIN)
ISO/TC 190/SC 4 – *Biological characterization*: France (AFNOR)
ISO/TC 190/SC 7 – *Impact assessment*: Germany (DIN)

ISO/TC 190 operates under the following scope:

Standardization in the field of soil quality
· *Soils in situ;*
· *Soil materials intended for reuse in or on soils, including dredged sub-aquatic soil materials (= excavated sediments).*

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

Call for U.S. TAG Administrator

ISO/TC 264 – Fireworks

Comment Deadline: May 31, 2024

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 264 – *Fireworks* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by China (SAC).

ISO/TC 264 operates under the following scope:

Standardization in the field of Fireworks, including quality control, definitions, terminology, classification, categorization, labelling, test methods and basic safety requirements.

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

Call for U.S. TAG Administrator

ISO/TC 54 – Essential oils

Comment Deadline: May 31, 2024

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 54 – *Essential oils* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Spain (UNE).

ISO/TC 54 operates under the following scope:

Standardization of methods of analysis and specifications for essential oils.

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

Meeting Notices (International)

American Society of Safety Professionals

U.S. TAG to ISO/TC 283 – Occupational health and safety management

Meeting Date: June 19, 2024 2:30 PM - 4:30 PM Central Time

The ANSI Accredited U.S. Technical Advisory Group (U.S. TAG) to ISO/TC 283 "Occupational health and safety management" has announced a virtual meeting on June 19, 2024 from 2:30 PM to 4:30 PM Central time. For more information or to participate, please contact the U.S. TAG Administrator, Mr. Tim Fischer (TFisher@assp.org).

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

BSR/ASHRAE Addendum *k* to
ANSI/ASHRAE Standard 209-2018

First Public Review Draft

Proposed Addendum *k* to Standard 209-2018, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings

First Public Review Draft (May 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 ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092

Foreword:

The main reasons for the changes are to (1) add predictive analysis to the language, (2) add flexibility to the requirements regarding a financial analysis and goals, (3) add informative notes/clarify the language, and (4) streamline/make the charrette more productive by requiring a list of potential EEMs be required to be brought to the charrette. The specific changes include the following: added flexibility to the required timing of the charette and creation of OPR but made it so that both had to be completed before starting load reduction modeling; restructured 5.5.2 to include separate lists of entities that are required to attend the charrette versus those that are recommended to attend if applicable; added that someone should be charged with coming to the charrette with a preliminary list of EEMs (this will make the charrette much more productive and the work group agreed should be something that is done for all charrettes); 5.5.3, expanded language to include predictive analysis; 5.5.5, added an informative note to point to the predictive analysis informative appendix (the appendix letter is TBD); 5.5.8, added language to explain that it is required that the list of potential EEMs brought to the charrette be reviewed, refined, and expanded upon during the charrette; 5.5.9 was modified to include measured data and that any member of the team can present results of previous modeling (does not have to be the modeler); 5.5.10 and 5.6.3, expanded the language beyond just financial criteria; 5.6, removed the term "Energy" to be more inclusive of other goals; 5.6.3, modified to allow more flexibility in terms of type of financial analysis and added an informative note to highlight common financial metrics/analysis; and in 5.6.4, added some example performance goals as an informative note.

Final strikethrough and underlined for public comment

charrette: a meeting of project stakeholders to discuss design goals and design strategies that includes the topic of building performance.

5.4 Benchmarking. Determine the energy use per unit area of buildings with the same principal building activities in the same climate and determine their annual energy costs per unit area by applying~~using applicable~~ local utility rates. These data shall be used in the ~~energy~~ *charrette* described in Section 5.5 to inform the development of the project energy goals.

5.5 ~~Energy~~ Charrette

5.5.1 Prior ~~to Modeling Cycle #2, if Modeling Cycle #2 is used for compliance, or prior~~ to beginning Load Reduction Modeling Cycle #3, the *project team* shall conduct at least one *charrette* that addresses building performance.

5.5.2 The representatives that participate in the *charrette* shall, at a minimum, include the following:

a. Owner or owner representatives
b. Architect
c. ~~Engineer~~ HVAC designer

~~d. *Building performance rating system* consultant (if applicable)~~
~~de~~d. *Energy modeler* or the individual supervising the work of the *energy modeler*
~~f. Other design team members required to reconcile technical requirements~~
~~g. Contractor (if applicable)~~c. Representatives are permitted to fulfill multiple roles as appropriate.

Informative Note: If applicable, the following representatives are recommended to participate in the *charrette:*

a. *Building performance rating system consultant*
b. Other design team members required to reconcile technical requirements
c. Contractor(s) and/or subcontractor(s)
d. Commissioning agent
e. Plumbing engineer
f. Lighting designer
e. Cost estimator

5.5.3 A designated participant shall be charged with creating and bringing a preliminary list of potential energy efficiency measures (*EEMs)* to the *charrette*.

5.5.~~3~~4 Determine and document the purposes for including *energy modeling* in the proposed project. *Energy modeling* purposes to be discussed shall include *comparative analysis*, ~~and~~ *compliance analysis*, and *predictive analysis*.

5.5.4~~5~~ Define the *baseline* or *baselines* to be used ~~for *comparative*~~ in the *analysis*.

5.5.~~5~~6 Establish project performance metrics to be used as the basis for the energy goals.

5.5.~~6~~7 Use benchmarking data generated in Section 5.4 to inform the discussion and determination of the energy performance goals. The resulting energy performance goals shall be incorporated into the draft *owner's project requirements* (*OPR*) detailed in Section 5.6.

Informative Note: See Informative Appendix ***TBD*** for additional information on setting goals for *predictive analysis*.

5.5.~~7~~8 Discuss and determine the method for evaluating the potential *project alternatives* ~~*energy efficiency measures* (*EEMs*) for the project~~.

5.5.~~8~~9 ~~Generate~~Review, ~~and expand on a~~ refine, and/or expand on the *list of potential EEMs*.

5.5.~~9~~10 ~~The *energy modeler* shall~~ Present the results of any previously performed modeling analysis or measured data deemed relevant to design decisions associated with the project.

5.5.~~10~~11 Establish financial and/~~criteria~~or other criteria for ~~financial~~ analysis and decision making.

5.5.~~11~~12 Establish a project schedule for follow-up tasks related to items discussed during the *charrette*.
5.5.~~12~~13 Establish the process, documentation, and review team for complying with Section 5.7.4 for each *modeling cycle*.

5.5.~~13~~14 Create a written record of items discussed during the *charrette*.

Informative Note: For more information and best practice recommendations for running the *charrette* refer to the following guide:
https://www1.eere.energy.gov/buildings/publications/pdfs/commercial_initiative/33425rep.pdf

5.6 ~~Energy~~ Performance Goals in Owner Project Requirements~~OPR~~

5.6.1 Prior ~~to Modeling Cycle #2, if Modeling Cycle #2 is used for compliance, or prior~~ to beginning Load Reduction Modeling Cycle #3, the owner, the *energy modeler*, and other building team members shall develop and document ~~the energy~~ performance goals in the *OPR*.

5.6.2 Document *building performance rating systems,* energy codes(s), and/or performance standards that apply to this project.

5.6.3 Document the ~~financial~~ criteria for decision making ~~and *life-cycle cost analysis* (*LCCA*)~~ between *project alternatives*.

Informative Note: Common financial metrics and criteria include minimum life-cycle cost, maximum simple payback period, minimum return on investment, and owner discount rate.

5.6.4 Document the overall project ~~energy~~ performance goal.

Informative Note: Common energy performance goals include, but are not limited to, achieving:

- a net zero energy, carbon emissions, etc.;
- a specific energy usage per unit area or other metric;
- a maximum annual energy cost or other metric such as carbon emissions;
- a minimum percent savings compared to a~~the~~ baseline;
- energy code compliance;
- a specific power usage effectiveness (PUE) in the case of a data center; and/or
- a performance threshold in a specific *building performance rating system.*

5.6.5 Document the performance ~~goals~~targets for the individual building systems and assemblies in the following subsections, with the intent that these ~~goals~~targets be tracked throughout the design process.

Informative Note: See Informative Appendix D for sample OPRs . The *OPR* should ~~shall~~ address the building systems for which performance goals have been established.

5.6.5.1 Building envelope, including roofs, walls, floors, doors, fenestration, and infiltration rate.

5.6.5.2 *HVAC systems*, ventilation, and control strategies.

5.6.5.3 Lighting systems and daylighting systems.

5.6.5.4 Service hot-water systems and flow rate restrictors to hot-water fixtures, fittings, and appliances.

5.6.5.5 Equipment related to plug and *process energy* use.

5.6.5.6 Specific owner and occupant requirements related to energy performance.

5.6.5.7 *Green building concepts* (optional).

5.6.6 ~~Energy~~ Performance goals in the OPR shall be updated as required throughout the design process.

6.1.2 Applicability. This modeling cycle applies before the building's geometry and site orientation have been set in the design process. This must be completed before or during the ~~energy~~ charrette described in Section 5.5.

Substantive changes from previous public review of ANSI/FM 4478-2014 (2023)

Title page: Roof Mounted Rigid Photovoltaic Module~~s~~ Systems

1.1 Purpose

This standard states the testing requirements for roof mounted rigid photovoltaic module~~s~~ systems that are used with a roof assembly.

1.2 Scope

1.2.4 This standard evaluates rigid photovoltaic module~~s~~ systems for their performance in regard to fire from above the structural deck, simulated wind uplift, susceptibility from hail storm damage, gravity load, and seismic performance requirements.

1.6 Terms and Definitions

Frame or Racking System – used to fix solar ~~panels~~ modules to the roof assembly ~~on surfaces~~.

Rigid Photovoltaic Module System –An arrangement of photovoltaic cells or material, mounted on a surface and/or in a frame that are not able to be bent or flexed without damage with the cells exposed freely to incoming sunlight.

Service Wind Load – The calculated uplift load resulting from a windstorm that a roof assembly must resist. The service load is equal to one half of the rated load in psf (kPa).

4 Performance Requirements

4.2 Wind Uplift Resistance for Rigid Photovoltaic Module with the Panel Attached to or Through the Roof Cover ~~at the Same Slope as the Roof Cover~~

4.3 Wind Uplift Resistance for Rigid Photovoltaic Module Loose Laid and Ballasted

Mechanical connects such as clips, fasteners, plates, bars, screws, bolts, clamps need to meet the requirement of 4.2.2. The rating assigned to the assembly shall be the lower rating obtained during all testing.

4.3.1.1 Conditions of Acceptance for Rigid Photovoltaic Loose Laid and Ballasted ~~– Prescriptive Method~~

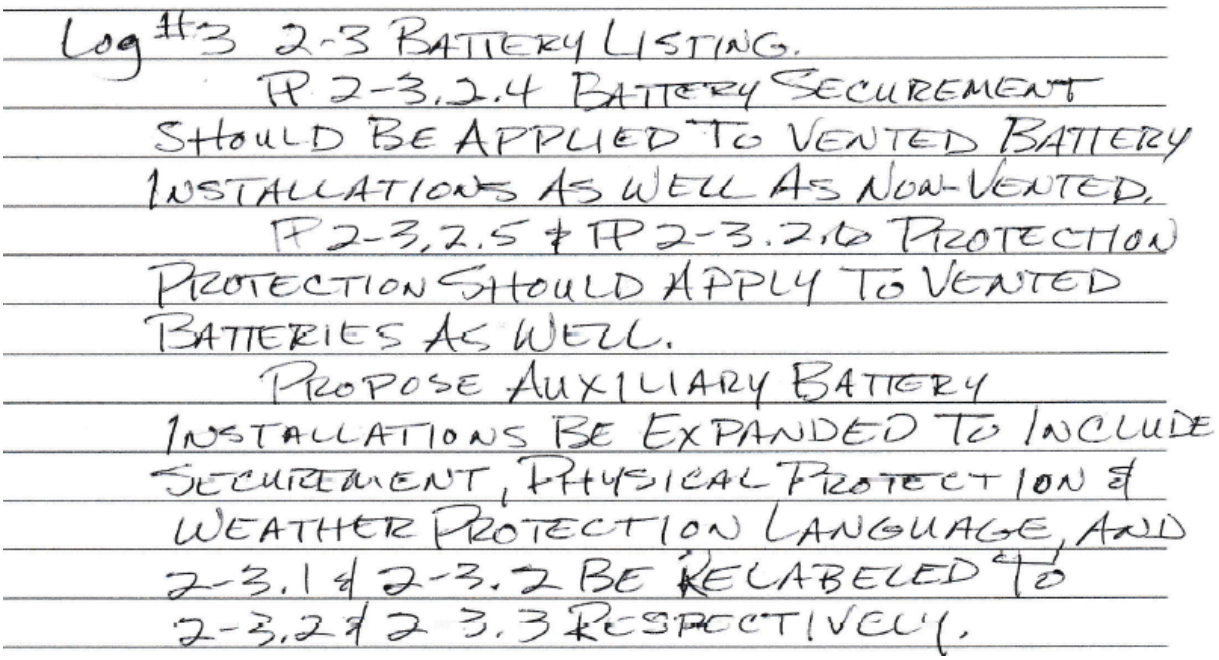
4.3.1.1 Load sharing share be limited to not more than 2 PV modules.

2025 DC WORKING COMMITTEE COMMENT DOCUMENT (WCCD)

Canvass Working Committee WCCD Action Meeting

5/16/24

DC, WCD Log #3
COMMENT ON PROPOSAL:



WORKING COMMITTEE ACTION: Use the verbiage seen in the proposed 2-3.2.4, 2-3.2.5, and 2-3.2.6 and add it under 2-3.1.6, 2-3.1.7, and 2-3.1.8 as seen below:

2-3.1.6 Battery systems shall be secured in place so they do not become dislodged when a load equal to eight times the battery system's weight is applied to the battery system's center of gravity.
2-3.1.7 Battery systems shall be installed above the approach and departure angles of the recreational vehicle when installed below the floor.
2-3.1.8 Battery systems shall be protected from weather elements and physical damage.

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the commentor. See action statement above. The Working Committee chooses to disregard the commentor's suggestion of relabeling 2-3.1 and 2-3.2 because the commentor's intent is unclear.

DC, WCD Log #3
COMMENT ON PROPOSAL:

Log 3 – Section 2.3

Recommended Change:

2-3.2 Non-vented Battery Installations (e.g. Lithium-ion, Sodium-ion, Solid state, Zinc-air, NMC, etc.)
2-3.2.1 Battery Systems shall include a BMS.
2-3.2.2 Listing.

2-3.2.2.1 Battery Systems at or under 60V DC shall be listed to UL 2054 or UL 1973.
2-3.2.2.2 Battery Systems over 60V DC shall be listed to UL 1973~~.~~, if not already listed or certified to a recognized motive power battery system standard. (e.g. UL 2580, GB/T 38031, SAE 2929, or ISO 12405)
~~Exception: Motive power battery systems are not covered by this standard.~~

Substantiation:

The proposed code language is restrictive for battery applications over 60V DC that do not involve motive power. The majority of batteries available for use in vehicle applications over 60V are intended for use as a power source for motive power. As such these batteries have already been tested, certified, or listed to a recognized standard for vehicle motive power batteries. The test standard examples provided go above and beyond the requirements of UL 1973 and are acceptable for a vehicle installation to provide a power supply for a recreational vehicle.

WORKING COMMITTEE ACTION: Add the additional verbiage suggested by the commentor to the proposed 2-3.2.2.2 as seen in the comment received.

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the commentor.

DC, WCD Log #3
COMMENT ON PROPOSAL:

Log 3 – Section 2-3.2.2.1

Recommended Change:

2-3.2 Non-vented Battery Installations (e.g. Lithium-ion, Sodium-ion, Solid state, Zinc-air, NMC, etc.)
2-3.2.1 Battery Systems shall include a BMS.
2-3.2.2 Listing.
2-3.2.2.1 Battery Systems at or under 60V DC shall be listed to UL 2054, UL 62133 or UL 1973.

Substantiation:

UL 62133 is a recognized standard for the battery types installed into recreational vehicles. This standard was included in the public input submitted by the RV Industry Association and should be included in the updated standard.

WORKING COMMITTEE ACTION: Add the commentor's suggest verbiage seen in the comment received under 2-3.2.2.1 BUT revise it to read as follows:

2-3.2.2.1 Battery Systems at or under 60V DC shall be listed to UL 2054, IEC/UL 62133-2 or UL 1973.

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the commentor, however the Working Committee decided to specify IEC/UL 62133-2 to provide further clarity.

DC, WCD Log #3
COMMENT ON PROPOSAL:

Log 3 – Section 2-3.2.2.1

Recommended Change:

2-3.2 Non-vented Battery Installations (e.g. Lithium-ion, Sodium-ion, Solid state, Zinc-air, NMC, etc.)
2-3.2.1 Battery Systems shall include a BMS.
2-3.2.2 Listing.
2-3.2.2.1 Battery Systems at or under 60V DC shall be listed to UL 2054, UL 62133 or UL 1973.

Substantiation:

UL 62133 is a recognized standard for the battery types installed into recreational vehicles. This standard was included in the public input submitted by the RV Industry Association and should be included in the updated standard.

WORKING COMMITTEE ACTION: No action taken, as the exact comment was received by another commentor.

WORKING COMMITTEE STATEMENT: No action taken, as the exact comment was received by another commentor. See the Working Committee Action and Comment on the previous comment above.

DC, WCD Log #8
COMMENT ON PROPOSAL: I believe we want to abstain to this because we feel that the label from the PV and the label from the charging output of the solar controller should not be allowed to be the same and should be phrased as "SCC" for Solar Charge Controller, otherwise, the PV wire from the panels could have the same label as the wires from the charge controller area to the battery. We feel this is a potential area of confusion that if hooked up wrong, could cause PV hooked straight to the battery.

WORKING COMMITTEE ACTION: No action taken.

WORKING COMMITTEE STATEMENT: The Working Committee took no action on this comment, as the commentor abstained from voting on this Log Number and does not provide suggested new language in their comment.

DC, WCD Log #9
COMMENT ON PROPOSAL: This we do not agree with and will object. The entire industry has been preparing for the reality that UL listings would be required on solar controllers in the coming years. That mean the good companies have made investments to be able to pass the UL listing that address the concerns written in the substantiation. Although it is well intended, I do not feel that the industry solution should be to restrict ALL solar controllers to effectively 75% of their rated output. We should address this issue requiring the proper UL listing (1741) to rid the industry of the low-cost controllers that are effectively causing this initial concern.

WORKING COMMITTEE ACTION: The Working Committee takes no action on this comment and disagrees that a specific listing should be required for solar controllers. See the statement below.

WORKING COMMITTEE STATEMENT: A specific listing was not identified in order to allow vendors the flexibility to provide products listed to their choice of applicable available standards. The proposal process is closed for this revision cycle and the Working Committee recommends that the commentor submit a change proposal for the next revision cycle.

DC, WCD Log #12
COMMENT ON PROPOSAL:

Log #12 SECTION 4-2
BALLOT INDICATES PROPOSAL IS ACCEPTED WHEREAS WORKING COMMITTEE DOCUMENT INDICATES WCA IS TO ACCEPT IN PRINCIPLE.
PROPOSE EDITORIAL CORRECTION TO REFLECT COMMITTEE ACTION OF ACCEPT IN PRINCIPLE.

WORKING COMMITTEE ACTION: None

WORKING COMMITTEE STATEMENT: Editorial change noted. The Working Committee takes no action on this comment.

DC, WCD Log #17
COMMENT ON PROPOSAL:

Log 3 – Section 2-3.2.2.1
Log 17 – Reference Materials

Recommended Change:

2-3.2 Non-vented Battery Installations (e.g. Lithium-ion, Sodium-ion, Solid state, Zinc-air, NMC, etc.)
2-3.2.1 Battery Systems shall include a BMS.
2-3.2.2 Listing.
2-3.2.2.1 Battery Systems at or under 60V DC shall be listed to UL 2054, UL 62133 or UL 1973.

Substantiation:

UL 62133 is a recognized standard for the battery types installed into recreational vehicles. This standard does include complete battery testing requirements. This standard was included in the public input submitted by the RV Industry Association and should be included in the updated standard.

WORKING COMMITTEE ACTION: Add a reference to the Referenced Publications section for:

IEC/UL 62133-2-2020, Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications – Part 2: Lithium Systems

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the commentor.

DC, WCD Log #19
COMMENT ON PROPOSAL:

Log 19

Recommended Change:
6-2 Circuit Requirements
6-2.1 Maximum Voltage. The maximum voltage of PV source circuits shall be the highest voltage between any two conductors of a circuit or any conductor and ground. Maximum voltage shall be used for conductors, equipment, and other applications where voltage limits and ratings are used. PV system DC circuits on RVs shall be permitted to have a maximum voltage no greater than ~~150~~ 500 volts.

Substantiation:
The maximum voltage of 150V is based upon current technology available in the market. The 150V value is restrictive to new technologies that are being developed that use higher voltages. The proposed 500V value should be adequate for the foreseeable future. This new higher value would be supported and covered by all of the circuit and overcurrent requirements that are proposed to be added by Log 19 as well.

WORKING COMMITTEE ACTION: The Working Committee accepts the change suggested by the commentor.

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the commentor.

2024 EXTLAD-1 WORKING COMMITTEE COMMENT DOCUMENT (WCCD)

Canvass Working Committee WCCD Action Meeting

May 15th, 2024

DC, WCD Log #5

SUBMITTER: Terry Current - Jayco, Inc.

COMMENT ON PROPOSAL: The original proposal should be accepted as submitted. The Working Committee Action to remove the content reduces clarity. While it is the responsibility of the RV manufacturer to ensure an exterior ladder, conforming to all applicable requirements, is installed on a vehicle clearly there are requirements and responsibilities for ladder construction and performance only the ladder manufacturer can accomplish. Since the inaugural effectivity of this practice the existing statement of 1.1.1.1 has been necessary when communicating with some ladder manufacturer/suppliers.

WORKING COMMITTEE ACTION: The Working Committee recommendation to remove 1.1.1.1 still stands, as the WC does not agree with the submitter.

WORKING COMMITTEE STATEMENT: From a clarity standpoint, the FMVSS 49 CFR 571 holds the final stage manufacturer responsible for all compliance. The action recommendation to remove 1.1.1.1, made by the Working Committee (which was approved by a majority of the Canvass during the WCD Ballot), was made to align with NHTSA's enforcement policy. The installer of the ladder (final stage manufacturer) must be able to provide sufficient testing evidence that the ladder is in compliance, whether they perform the testing in-house or the testing is successfully completed by the ladder manufacturer.

DC, WCD Log #6

SUBMITTER: Terry Current - Jayco, Inc.

COMMENT ON PROPOSAL: The original proposal should be accepted as submitted. The Working Committee Action to remove the content reduces clarity. While it is the responsibility of the RV manufacturer to ensure an exterior ladder, conforming to all applicable requirements, is installed on a vehicle clearly there are requirements and responsibilities for ladder construction and performance only the ladder manufacturer can accomplish. 1.1.1.2 clearly demonstrates RV manufacturer's responsibility.

WORKING COMMITTEE ACTION: The Working Committee recommendation to remove 1.1.1.2 still stands, as the WC does not agree with the submitter.

WORKING COMMITTEE STATEMENT: From a clarity standpoint, the FMVSS 49 CFR 571 holds the final stage manufacturer responsible for all compliance. The action recommendation to remove 1.1.1.2, made by the Working Committee (which was approved by a majority of the Canvass during the WCD Ballot), was made to align with NHTSA's enforcement policy. The installer of the ladder (final stage manufacturer) must be able to provide sufficient testing evidence that the ladder is in compliance, whether they perform the testing in-house or the testing is successfully completed by the ladder manufacturer.

EXTLAD-1, WCD Log #12

SUBMITTER: Terry Current - Jayco, Inc.

COMMENT ON PROPOSAL: I agree with the Working Committee Statement. In addition, change the test load format to to English abbreviations (Metric abbreviations).

~~101.7 N-m (~~900 in.-lb. ~~)~~ (101.7 N-m) or the ladder rating multiplied by ~~0.09142 m (~~3.6 in.~~)~~ (0.09142 m), whichever is greater

See the Working Committee Statement on Log #4.

WORKING COMMITTEE ACTION: Revise the format of unit measurements as suggested by the submitter and initial recommendation of the Working Committee shown in Log #4 of the WCD, which will change the format of the unit measurements throughout the standard.

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the submitter. In the Working Committee's initial action on Log #4 seen in the WCD, the Working Committee recommended that the format suggested by the commentor be used.

DC, WCD Log #13

SUBMITTER: Terry Current - Jayco, Inc.

COMMENT ON PROPOSAL: I agree to reject the original proposal. The Working Committee Action should reconsider retaining the figure while ensuring the test loads are changed to English abbreviations (Metric abbreviations). The figure adds clarity and specifies a method to attain the required test loads. The figure ensures uniformity of the test procedure regardless what facility performs the test. If not retained in the body text it will serve the intent if added to the *APRENDIX*.

WORKING COMMITTEE ACTION: Move the current Figure 3 to the Appendix as suggested by the commentor as A-4. At the top of the image, add the title "Rung

Torque Test Sample Image for 900-in. lb. Torgue Requirement" and add the following text under the image title: "See Section 4.3 for the rung torque test load requirement."

WORKING COMMITTEE STATEMENT: The Working Committee agrees with the submitter's suggested move of the image in the current Figure 3 to be moved to the Appendix. The Working Committee also recommended that the title and statement for the image seen in the Action statement above be added to provide clarity to the user of the standard.

BSR A250.4
May 2024 Revision of ANSI/SDI A250.4-2022

The 2024 revision of ANSI/SDI A250.4-2022 includes the addition of one word, "laminated" before "surface area" in Section 7.1.2:

Doors of laminated construction (cores laminated to face sheets, channels or stiffeners laminated to face sheets, etc) shall not delaminate in excess of 10% of the total *laminated* surface area.

This distinction was addressed by the SDI Technical Committee in 2019 which agreed to add the above language to Annex A of the standard with the caveat that the revised language (adding laminated) be added to Section 7.1.2 during the next review cycle. However, Section 7.1.2 was not revised when the standard was balloted in 2022.

BSR/UL 834, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric

1. Updates to align with UL style manual

2 Components

2.1 ~~Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.~~ A component of a product covered by this Standard shall:

a) Comply with the requirements for that component as specified in this Standard;

b) Be used in accordance with its rating(s) established for the intended conditions of use; and

c) Be used within its established use limitations or conditions of acceptability.

2.2 A component of a product covered by this Standard is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product; ~~covered by this standard, or~~

b) Is superseded by a requirement in this standard; or

c) Is separately evaluated when forming part of another component, provided the component is used within its established ratings and limitations.

~~2.3 A component shall be used in accordance with its rating established for the intended conditions of use.~~

4 ~~Undated References~~ Referenced Publications

4.1 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.

4.2 The following publications are referenced in this Standard:

ASME Boiler and Vessel Pressure Code

ASTM E28, *Standard Test Methods for Softening Point of Resins Derived from Pine Chemicals and Hydrocarbons, by Ring-and-Ball Apparatus*

ASTM E230/E230M, *Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples*

American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code

IEC 61000-4-5, *Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test*

NFPA 70, *National Electrical Code*

UL 94, *Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances*

UL 353, *Standard for Limit Controls*

UL 508A, *Standard for Industrial Control Panels*

UL 873, *Standard for Temperature-Indicating and -Regulating Equipment*

UL 1004-1, *Standard for Rotating Electrical Machines - General Requirements*

UL 1998, *Standard for Software in Programmable Components*

UL 5085-1, *Standard for Low Voltage Transformers - Part 1: General Requirements*

UL 5085-3, *Standard for Low Voltage Transformers Part 3: Class 2 and Class 3 Transformers*

UL 60691, *Standard for Thermal-Links - Requirements and Application Guide*

UL 60730-1, *Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements*

UL 60730-2-6, *Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements*

UL 60730-2-9, *Standard for Automatic Electrical Controls for Household and Similar Use, Part 2, Particular Requirements for Temperature Sensing Controls*

Table 42.1

Maximum temperature rises

NOTE: For brevity, only the affected portion of the table is shown.

[a] At a point on the surface of a coil where the temperature is affected by an external source of heat, the temperature measured by means of a thermocouple may be more than the maximum acceptable temperature specified in this table provided the temperature, as measured by the resistance method, is not more than that specified. The temperature measured by means of a thermocouple may be more than the specified value by:	
	1. 5°C (9°F) for Class A insulation on coil windings of an a-c motor having a diameter of 7 inches (178 mm) or less, open type;
	2. 10°C (18°F) for Class B insulation on coil windings of an a-c motor having a diameter of 7 inches (178 mm) or less, open type;
	3. 15°C (27°F) for Class A insulation on coil windings of an a-c motor having a diameter of more than 7 inches (178 mm), open type; and
	4. 20°C (36°F) for Class B insulation on coil windings of an a-c motor having a diameter of more than 7 inches (178 mm), open type.

[b] This is the diameter measured in the plane of the laminations of the circle circumscribing the stator frame, excluding lugs, fins, boxes, and the like, used solely for motor mounting, cooling, assembly, or connection.
[c] For other than an electrolytic capacitor that is physically integral with or attached to a motor, the maximum acceptable temperature rise on insulating material integral with the capacitor enclosure may not be more than 65°C (117°F).
[d] A capacitor that operates at a temperature rise of more than 65°C (117°F) may be judged on the basis of its marked temperature limit.
[e] The maximum sealing compound temperature when corrected to a 25°C (77°F) ambient temperature is 15°C (27°F) less than the softening point of the compound as determined by the Test for Softening Point of Resins Derived from Pine Chemicals and Hydrocarbons, by Ring-and-Ball Apparatus, ASTM E28.
[f] A rubber-insulated conductor within a motor, a rubber-insulated motor lead, and a rubber-insulated conductor of a flexible cord entering a motor may be subjected to a higher temperature if the conductor is provided with sleeving or a braid that has been investigated and found acceptable for use at the higher temperature. This does not apply to thermoplastic-insulated wires or cords.
[g] Inside a boiler, the temperature rise on a wire or cord may be greater than the specified maximum rise provided that the insulation on each individual conductor is protected by supplementary insulation (such as braid, wrap, tape, or close-fitting tubing) that is acceptable for the temperature and type of insulation involved.
[h] These limitations do not apply to compounds and components that have been investigated and found acceptable for use at higher temperatures.
[i] Applicable only to boilers whose input is 117.2 kilowatts or less.

42.3 Temperatures are to be measured by thermocouples consisting of wires no larger than 24 AWG (0.21 mm^2) and no smaller than 30 AWG (0.05 mm^2), except that the coil temperatures may be determined by the change-of-resistance method if the coil is inaccessible for mounting thermocouples. A temperature is considered to be constant when three successive readings, taken at intervals of 10 percent of the previously elapsed duration of the test (but no less than 5-minute intervals) indicate no change. The thermocouples and related instruments are to be accurate and calibrated in accordance with good laboratory practice. The thermocouple wire is to conform with the requirements listed in the Tolerances on Initial Values of EMF versus Temperature tables in the Standard Specification ~~and~~ for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ~~ANSI/~~ASTM E230/E230M.

~~**APPENDIX A**~~

~~**Standards for Components**~~

~~Standards under which components of the products covered by this standard are evaluated include the following:~~

~~Title of Standard - UL Standard Designation~~

Attachment Plugs and Receptacles - UL 498
Capacitors - UL 810
Circuit Breakers, Molded-Case, Molded-Case Switches and Circuit-Breaker Enclosures - UL 489
Conduit, Flexible Metal - UL 1
Conduit - Steel, Electrical Rigid Metal - UL 6
Controls for Household and Similar Use, Part 1: General Requirements, Automatic Electrical - UL 60730-1 and/or the applicable Part 2 standard from the UL 60730 series
Controls, Limit - UL 353
Enclosures for Electrical Equipment Non-Environmental Considerations - UL 50
Fittings, Conduit, Tubing, and Cable - UL 514B
Flexible Cords and Cables - UL 62
Fuseholders - Part 1: General Requirements - UL 4248-1
Fuseholders - Part 4: Class CC - UL 4248-4
Fuseholders - Part 5: Class G - UL 4248-5
Fuseholders - Part 6: Class H - UL 4248-6
Fuseholders - Part 8: Class J - UL 4248-8
Fuseholders - Part 9: Class K - UL 4248-9
Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse - UL 4248-11
Fuseholders - Part 12: Class R - UL 4248-12
Fuseholders - Part 15: Class T - UL 4248-15
Fuses-Part 7: Class H Renewable, Low-Voltage - UL 248-7
Fuses-Part 11: Plug Fuses, Low-Voltage - UL 248-11
Fuses-Part 12: Class R Fuses, Low-Voltage - UL 248-12
Fuses-Part 14: Supplemental Fuses, Low-Voltage - UL 248-14
Fuses-Part 15: Class T Fuses, Low-Voltage - UL 248-15
Grounding and Bonding Equipment - UL 467
Industrial Control Equipment - UL 508
Lampholders - UL 496
Low-Voltage Switchgear and Controlgear - Part 1: General Rules - UL 60947-1
Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters - UL 60947-4-1
Low-Voltage Switchgear and Controlgear - Part 5-2: Control Circuit Devices and Switching Elements - Proximity Switches - UL 60947-5-2
Low Voltage Transformers - Part 1: General Requirements - UL 5085-1
Low Voltage Transformers - Part 2: General Purpose Transformers - UL 5085-2
Low Voltage Transformers - Part 3: Class 2 and Class 3 Transformers - UL 5085-3
Marking and Labeling Systems - UL 969
Machines, Rotating Electrical - General Requirements - UL 1004-1
Motors, Overheating Protection for - UL 2111
Outlet Boxes, Metallic - UL 514A
Plastic Materials for Parts in Devices and Appliances, Tests for Flammability of - UL 94
Polymeric Materials - Fabricated Parts - UL 746D
Polymeric Materials - Long Term Property Evaluation - UL 746B
Polymeric Materials - Short Term Property Evaluations - UL 746A
Polymeric Materials - Use in Electrical Equipment Evaluations - UL 746C
Programmable Controllers - Part 2: Equipment Requirements and Tests - UL 61131-2
Sheathed Heating Elements - UL 1030
Switches, Enclosed and Dead-Front - UL 98
Switches, Snap, General-Use - UL 20
Switches, Special-Use - UL 1054 or Switches for Appliances - Part 1: General Requirements - UL 61058-1
Systems of Insulating Materials - General - UL 1446
Temperature-Indicating and -Regulating Equipment - UL 873[1)]
Terminal Blocks - UL 1059

~~Tubing - Steel, Electrical Metallic - UL 797~~
~~Tubing, Extruded Insulating - UL 224~~
~~Valves, Electrically Operated - UL 429~~
~~Wire Connectors - UL 486A-486B~~
~~Wire Connectors, Splicing - UL 486C~~
~~Wires and Cables, Thermoplastic-Insulated - UL 83~~

~~1) Note: Compliance with the UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills these requirements.~~

BSR/UL 1082, Standard for Safety for Household Electric Coffee makers and Brewing-Type Appliances

1. Adding DC voltage as output of equipment for Dielectric Voltage-Withstand

PROPOSAL

51 Dielectric Voltage-Withstand Test

51.1 Each appliance shall withstand without an indication of unacceptable performance as a routine production-line test, the application of a potential between:

a) The primary wiring, including connected components, and accessible metal parts that are likely to become energized; and

b) Between primary wiring and accessible low voltage (42.4 V peak or less) metal parts, including terminals. The test potential shall be:

1) 1200 V (sinusoidal waveform) or 1700 V (DC waveform) applied for 1 second; or

2) 1000 V (sinusoidal waveform) or 1414 V (DC waveform) applied for 1 minute.

51.2 The appliance may be in a heated or unheated condition for the test.

51.7 In addition to the characteristics indicated in 51.5, the test equipment is to have the following features and characteristics:

a) A means of indicating the test voltage that is applied to the product under test. This may be accomplished by sensing the voltage at the leads or by equivalent means.

b) An output voltage that:

1) Has a sinusoidal waveform or DC waveform;

2) In case of sinusoidal waveform:

i) Has a frequency that is within the range of 40 – 70 Hz; and

ii) Has a peak value of the waveform that is not to be less than 1.3 and not more than 1.5 times the root-mean-square value.

3) In case of ~~sinusodial~~ DC waveform, the applied output voltage corresponds to the peak value of sinusoidal waveform.

c) A means of effectively indicating unacceptable performance. The indication is to be:

1) Auditory, if it can be readily heard above the background noise level;

2) Visual, if it commands the attention of the operator; or

3) A device that automatically rejects an unacceptable appliance.
If the indication of unacceptable performance is auditory or visual, the indication is to remain active and conspicuous until the test equipment is reset manually.

d) When the test equipment is adjusted to produce the test voltage and a resistance of 120,000 ohms is connected across the output, the test equipment is to indicate an unacceptable performance within 0.5

second. A resistance of more than 120,000 ohms may be used to produce an indication of unacceptable performance, if the manufacturer elects to use a tester having a higher sensitivity.

2. Revisions to references to UL 4200A to Update Standard Title and Reference to Supplement SB Products Based on Reese's Law

PROPOSAL

26.10 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more replaceable coin cell batteries ~~of lithium technologies~~ shall comply with the Standard for Safety for Products Incorporating Button Batteries or Coin Cell Batteries ~~of Lithium Technologies~~, UL 4200A, if the appliance or any accessory is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height. UL 4200A is also applicable to appliances covered by Supplement SB.

Exception: Not applicable to an appliance intended only to be mounted above a countertop.

UL 1699B, Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection

PROPOSAL

38 Corrosion Test

38.1 ~~A device~~One representative DUT shall operate as intended after being subjected to the corrosive atmosphere test ~~described in 38.2 – 38.3~~ as specified in 38.2 and 38.3.

Exception: As an alternative to 38.2 and 38.3, the test may be performed with a non-energized DUT in accordance with IEC 60068-2-60, Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test. Test procedure 2 with method 3 or 4 of IEC 60068-2-60 shall be applied for a duration of 21 days. The criteria in 38.4 shall apply.

38.4 After the Corrosion Test, the ~~representative device~~DUT shall be tested in accordance with 29.1 at the two lowest wattages specified in Table 29.2 and shall trip as required.

BSR/UL 3730, Standard for Safety for Photovoltaic Junction Boxes

1. Modification of Corrosive Atmosphere Tests, Section 34, to reference the Corrosive Atmosphere Tests in the Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules, UL 2703

PROPOSAL

34 Corrosive Atmosphere Test

34.1 Salt spray test

34.1.1 One complete sample of the junction box, junction box component or specimen samples of materials representative of that used in the junction box shall ~~be subjected to~~comply with the ~~s~~Salt ~~s~~Spray ~~t~~Test, Section 19.1, in the Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules, UL 2703. ~~as described in 34.1.3 – 34.1.11.~~

Exception: A junction box constructed of materials such as plastic, stainless steel, or aluminum that are inherently resistant to atmospheric corrosion need not be tested.

~~34.1.2 With reference to 34.1.1, after the test, the corrosion products formed on the test sample shall not be more than that formed on the reference sample as determined by visual observation. Corrosion in the scribed line area is judged by the spread of corrosion from the scribed line.~~

~~34.1.3 The apparatus for salt spray testing is to consist of a chamber with inside measurements of 48 in by 30 in by 36 in (1.22 m by 0.76 m by 0.91 m) or larger if required; a salt solution reservoir; a supply of conditioned compressed air; one dispersion tower constructed in accordance with ASTM designation B117-97, for producing a salt spray; specimen supports; provision for heating the chamber; and necessary means of control.~~

~~34.1.4 The dispersion tower for producing the salt spray is to be located in the center of the chamber and is to be supplied with humidified air at a gauge pressure of 17 to 19 lb/in2 (117 to 131 kPa) so that the solution is aspirated as a fine mist or fog into the interior of the chamber.~~

~~34.1.5 The salt solution is to consist of 5 percent by weight of common salt (sodium chloride) in distilled water. The pH value of the collected solution is to be between 6.5 and 7.2 and have a specific gravity between 1.026 and 1.040 at 95°F (35°C). The temperature of the chamber is to be maintained within the range of 92°F to 97°F (33°C to 36°C) throughout the test.~~

~~34.1.6 The test sample is to be supported on plastic racks at an angle of 15 degrees from the vertical.~~

~~34.1.7 Drops of solution which accumulate on the ceiling or cover of the chamber are to be diverted from dropping on the specimen. Drops of solution which fall from the specimens are not to be recirculated, but are to be removed by a drain located in the bottom of the apparatus.~~

~~34.1.8 Reference specimens, 4 in by 12 in (102 mm by 305 mm) of commercial zinc coated sheet steel are to be used for comparison. The selected specimens are to be representative of the minimum acceptable amount of zinc coating under requirements for G90 or G60 coating designation (as applicable, see Live Parts, Section 15) as determined in accordance with the Standard Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles, ASTM A90-81(1991). Such zinc coatings are considered as providing acceptable protection against corrosion.~~

~~34.1.9 The zinc coated reference specimens are to be cleaned with soap and water, rinsed with ethyl alcohol and ethyl ether, dried, and the cut edges protected with paint, wax, or other effective medium before being placed in the salt spray chamber.~~

~~34.1.10 Both the reference specimen and the samples under test are to be scribed with a single groove approximately 6 in (152 mm) long, to expose the underlying steel.~~

~~34.1.11 The test is to continue until the coating on the test samples or reference samples are broken down and corrosion products are formed on the underlying steel.~~

34.2 Moist carbon dioxide/sulphur dioxide test

34.2.1 One complete sample of the junction box, junction box component or specimen samples of materials representative of that used in the junction box shall ~~be subjected to the test as described in 34.2.3 – 34.2.9~~ comply with the Moist Carbon Dioxide/Sulphur Dioxide Test, Section 19.2, in the Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules, UL 2703.

Exception: A junction box constructed of materials such as plastic, stainless steel or aluminum that are inherently resistant to atmospheric corrosion need not be tested.

~~34.2.2 The corrosion products formed on the test sample shall be no more than that formed on the reference sample as determined by visual observation. Corrosion in the scribed line area is to be judged by the spread of corrosion from the scribed lines.~~

~~34.2.3 A chamber measuring 48 in by 30 in by 36 in (1.22 m by 0.76 m by 0.91 m) or larger if required, having a water jacket and a thermostatically controlled heater in order to maintain a temperature of 95 ±3°F (35 ±2°C) is to be used.~~

~~34.2.4 Sulphur dioxide and carbon dioxide are to be supplied to the test chamber from commercial cylinders containing these gases under pressure. An amount of sulphur dioxide equivalent to 1 percent of the volume of the test chamber and an equal volume of carbon dioxide are to be introduced into the chamber each day. Prior to introducing the new charge of gas each day, the remaining gas from the previous day is to be purged from the chamber. A small amount of water is to be maintained at the bottom of the chamber for humidity.~~

~~34.2.5 The samples are to be supported on plastic racks at an angle of 15 degrees from the vertical.~~

~~34.2.6 Reference specimens, 4 in by 12 in (102 mm by 305 mm) of commercial zinc coated sheet steel are to be used for comparison. The selected specimens are to be representative of the minimum acceptable amount of zinc coating under requirements for G90 or G60 coating designation (as applicable, see Protection Against Corrosion, Section 5) as determined in accordance with the Standard Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles, ASTM A90-81(1991). Such zinc coatings are considered as providing acceptable corrosion protection.~~

~~34.2.7 The zinc coated specimens are to be cleaned with soap and water, rinsed with ethyl alcohol and ethyl ether, dried, and the cut edges protected with paint, wax, or other effective media before being placed in the chamber.~~

~~34.2.8 Both the reference specimen and sections of the junction box being tested are to be scribed with a single groove approximately 6 in (152 mm) long, to expose the underlying steel.~~

~~34.2.9 The test is to continue until the coating on the junction box or reference specimen is broken down and corrosion products are formed on the underlying steel.~~