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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.

AAMI (Association for the Advancement of Medical Instrumentation)

Ladan Bulookbashi <LBulookbashi@aami.org> | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI/ISO 81060-3-202x, Non-invasive sphygmomanometers — Part 3: Clinical investigation of continuous automated measurement type (identical national adoption of ISO 81060-3:2022/Ed.1)

Stakeholders: Manufacturers and users of trending continuous automated non-invasive sphygmomanometers and absolute accuracy continuous automated non-invasive sphygmomanometers, regulators

Project Need: The recently published ISO 81060-3:2022 was deemed to be needed by the US National Committee to get proposed as an identical adoption for publication as a standard. This international standard is recognized in part by FDA as it supports existing regulatory policies.

Interest Categories: Industry, Regulatory/Government, User, and General Interest

This document specifies the requirements and methods for the clinical investigation of continuous automated non-invasive sphygmomanometers used for the measurement of the blood pressure of a patient. This document covers both trending continuous automated non-invasive sphygmomanometers and absolute accuracy continuous automated non-invasive sphygmomanometers and focuses solely on requirements for the clinical investigation. This document does not cover usability aspects such as the form and manner of the data display or output and does not specify a numerical threshold on the minimum output period.

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

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

Revision

BSR/ASSP A10.31-202X, Safety Requirements, Definitions and Specifications for Digger Derricks (revision and redesignation of ANSI/ASSP A10.31-2019)

Stakeholders: Occupational safety and health professionals working in the construction and demolition industry. Stakeholders with interest in the safety of digger derricks used in the construction and demolition industry.

Project Need: Based upon the consensus of the A10 Accredited Standards Committee and feedback from safety professionals in the construction and demolition industry

Interest Categories: Employer/User; Employee/Labor; Consultants and Related Interests; Technical which includes manufacturers of equipment and material for the construction/demolition industry and organizations

This standard applies to special multipurpose vehicle-mounted machines, commonly known as digger derricks. These machines are primarily designed to accommodate components that dig holes, set poles, and position materials and apparatus

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK86832-202x, Standard Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (new standard)

Stakeholders: Interdisciplinary Forensic Science Standards Industry

Project Need: The intent of this standard is to assist scene people who are generating reports of incidents and to give a framework for the minimum information needed in such reports. This standard was withdrawn in 2022 because it did not receive a new approval date by ASTM's required 8th year. The standard being balloted as a reinstatement with revisions.

Interest Categories: Interest Categories: Producer, User, General Interest

This practice covers guidelines for the collection and preservation of information and physical evidence and the preparation of a documentation report relative to any incident(s) involving personal injury, property damage, commercial loss, or criminal acts which may reasonably be expected to be the subject of litigation.

NEMA (National Electrical Manufacturers Association)

Michael Leibowitz <mike.leibowitz@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR/NEMA MG 1-202x Rev 1-202x, Motors and Generators (revision of ANSI NEMA MG 1-2022)

Stakeholders: Motor manufacturers, OEMs (original equipment manufacturers), motor end users, regulators, legislators, and other interested parties

Project Need: This project is needed to publish critical revisions relative to new US Department of Energy energy conservation regulations

Interest Categories: Producer, User, General Interest

This standard provides practical information concerning performance, safety, test, construction, and manufacture of alternating-current and direct-current motors and generators within the product scopes defined in the applicable section or sections of this publication. Although some definite purpose motors and generators are included, the standards do not apply to machines such as generators and traction motors for railroads, motors for mining locomotives, arc-welding generators, automotive accessory and toy motors and generators, machines mounted on airborne craft, etc.

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: August 20, 2023

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 a to Standard 160-2021, Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160-2021)

The purpose of Addendum a to Standard 160-2021 is to improve the organization and clarity of Section 7 (Reporting) of Standard 160-2021 and add commentary that references ASTM E3054/E3054M-16.

[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>

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

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

Addenda

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

This proposed addendum removes the terms "human comfort" and "other than human comfort" from the standard, as these terms are both undefined and do not adequately describe the types of systems that are intended to cover. Sections 7.5, 7.6, 7.7, and 7.8 are rewritten to clarify the specific application types that they pertain to, and to be more consistent in their approach. Informative notes are also added to provide more context on the product safety standards and equipment types in question.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Comment Deadline: August 20, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

Revision

BSR/UL 1323-202x, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023)

1.1 These requirements cover manual and power-operated type portable hoists intended for use with scaffolds suspended by wire ropes. 1.2 This standard covers electrically powered hoists rated 1000 volts or less to be employed in nonhazardous environmental locations in accordance with the National Electrical Code, ANSI/NFPA 70.

[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 27709-3995 | Julio.Morales@UL.org, <https://ulse.org/>

Revision

BSR/UL 1994-202x, Standard for Safety for Luminous Egress Path Marking Systems (revision of ANSI/UL 1994-2010 (R2020))

This proposal for UL 1994 covers: (1) Markings location; (2) Use of website and QR code markings for instructions.

[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: September 4, 2023

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

Reaffirmation

BSR/ABMA 19.1-2011 (R202x), Tapered Roller Bearings - Radial Metric Design (reaffirmation of ANSI/ABMA 19.1-2011 (R2018))

This standard covers metric design radial tapered roller bearings of various types, part numbering systems, boundary dimensions, tolerances, and fitting practices.

Single copy price: \$70.00

Obtain an electronic copy from: aboutaleb@americanbearings.org

Send comments (copy psa@ansi.org) to: Same

ACCA (Air Conditioning Contractors of America)

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

Revision

BSR/ACCA 3 Manual S-202x, Residential Equipment Selection (revision of ANSI/ACCA 3 Manual S-2014)

This standard provides procedures for selecting and sizing residential heating, cooling, dehumidification, and humidification equipment. The "Normative" Section of the standard provides the equipment selection and equipment sizing criteria necessary to implement the standard's requirements. This public review involves additional modifications based on comments received from the initial November 25, 2022, first public review.

Single copy price: Free

Obtain an electronic copy from: david.bixby@acca.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: September 4, 2023

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

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

New Standard

BSR/ASHRAE/ASPE/AWWA Standard 191-202x, Standard for the Efficient Use of Water in Building Mechanical Systems (new standard)

The purpose of ASHRAE Standard 191P is to document a comprehensive water balance and define baseline requirements for the efficient use of water in mechanical and process systems.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

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

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

Revision

BSR/ASSP A10.48-202X, Criteria for Safety Practices with the Construction, Demolition, Modification and Maintenance of Communication Structures (revision and redesignation of ANSI/ASSE A10.48-2016)

This standard establishes minimum criteria for safe work practices and training for personnel performing work on communication structures including antenna and antenna supporting structures, broadcast and other similar structures supporting communication related equipment.

Single copy price: \$140.00

Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E452-202x, Test Method for Calibration of Refractory Metal Thermocouples Using a Radiation Thermometer (revision of ANSI/ASTM E452-2017 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM F821-202x, Specification for Domestic Use Doors and Frames, Steel, Interior, Marine (revision of ANSI/ASTM F821-2001 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: September 4, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM F1309-202x, Practice for Installation Procedures for Fitting Chocks to Marine Machinery Foundations (revision of ANSI/ASTM F1309-1998 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM F2767-202x, Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide-12 Pipe and Tubing for Gas Distribution (revision of ANSI/ASTM F2767-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

Revision

BSR/ATIS 0600015.03-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI/ATIS 0600015.03-2016 (R2021))

This document specifies the definition of router and Ethernet switch products based on their position in a network, as well as a methodology to calculate the Telecommunication Energy Efficiency Ratio (TEER). The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: Free

Obtain an electronic copy from: dgreco@atis.org

Send comments (copy psa@ansi.org) to: Drew Greco <dgreco@atis.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C521-202x, Plastic Ball Valves (revision of ANSI/AWWA C521-2018)

This standard describes plastic ball valves for water supply service.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson

Comment Deadline: September 4, 2023

AWWA (American Water Works Association)

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

Revision

BSR/AWWA E102-202x, Submersible Vertical Turbine Pumps (revision of ANSI/AWWA E102-2017)

This standard provides minimum requirements for submersible vertical turbine pumps utilizing a discharge column pipe assembly for installation in wells, water treatment plants, water transmission systems, and water distribution systems. Electric motors are the only type of prime movers addressed in this standard.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR/CSA LC 6 (R202x), Natural Gas Operated Diaphragm Pumps (reaffirmation of ANSI/CSA LC 6-2008 (R2018))

This Standard applies to natural-gas-operated diaphragm pumps, hereinafter referred to as pumps, which are constructed entirely of new, unused parts and materials. This Standard applies to pumps powered by pressurized natural gas, either wellhead or utility grade, pumping process fluids as specified by the manufacturer. (See Part IV, Definitions.) This Standard applies to pumps with a maximum rated operating gas pressure not exceeding 150 psi (10.342 Bar).

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

CSA (CSA America Standards Inc.)

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

Revision

BSR Z21.1-202X, Household cooking gas appliances (same as CSA 1.1-202X) (revision of ANSI Z21.1-2018/CSA 1.1-2018)

This Standard applies to newly produced household cooking gas appliances (see Clause 3, Definitions), hereinafter referred to as units or appliances, constructed entirely of new, unused parts and materials, and either floor-supported or built-in. This Standard applies to household cooking gas appliances: (a) for use with natural gas; (b) for use with manufactured gas; (c) for use with mixed gas; (d) for use with propane gas; (e) for use with LP gas-air mixtures; (f) for use with either natural, manufactured, or mixed gas and convertible for use with propane gas (see Clause 3, Definitions); (g) for manufactured (mobile) home installation for use with propane gas only (see Clause 4.1.29); (h) for manufactured (mobile) home installation for use with either natural, manufactured, or mixed gas and convertible for use with propane gas (see Clause 4.1.29 and Clause 3, Definitions); (i) for recreational park trailer installation for use with natural, manufactured, or mixed gases and convertible for use with propane gas (see Clause 4.1.29 and Clause 3, Definitions); and (j) provided with pyrolytic self-cleaning oven features or self-cleaning broiler features, or both (see Clause 4.1.30).

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

Comment Deadline: September 4, 2023

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Revision

BSR/EIA 887-B-202x, Thin Film Resistor Network Specification (revision and redesignation of ANSI/EIA 887-A-2015)

This specification defines the requirements for a family of thin film resistor networks on silicon with various configurations, packaged in a molded, JEDEC-approved package.

Single copy price: \$76.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: Edward Mikoski (emikoski@ecianow.org)

ISA (ASC Z133) (International Society of Arboriculture)

270 Peachtree Street NW, Suite 1900, Atlanta, GA 30303 | cashley@isa-arbor.com, www.isa-arbor.com

Revision

BSR Z133-202x, Standard for Arboricultural Operations - Safety Requirements (revision of ANSI Z133-2017)

This standard contains arboriculture safety requirements for pruning, repairing, maintaining, and removing trees and for using equipment in such operations.

Single copy price: Free

Obtain an electronic copy from: <https://www.isa-arbor.com/z133review>

Send comments (copy psa@ansi.org) to: Chericka Ashley (cashley@isa-arbor.com)

ISA (International Society of Automation)

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

New Standard

BSR/ISA 18.1-202x, Annunciator Sequences and Specifications (new standard)

To establish uniform annunciator terminology, sequence designations, and sequence presentation and to assist in the preparation of annunciator specifications and documentation.

Single copy price: \$9.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (copy psa@ansi.org) to: Charley Robinson <crobinson@isa.org>

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.4-202x, Roadway and Area Lighting Equipment - Series Sockets and Series Socket Receptacles (revision of ANSI C136.4-2019)

This standard covers the following equipment for roadway and area luminaries: (a) Series sockets having medium impact strength and intended for service at high temperatures; (b) Series sockets having high impact strength and intended for service at limited temperatures; (c) Series-socket receptacles (hereinafter called the receptacles) in the 5000 V classification

Single copy price: \$83.00

Obtain an electronic copy from: david.richmond@nema.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: September 4, 2023

OPEI (Outdoor Power Equipment Institute)

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

National Adoption

BSR/OPEI 5395-1-202X, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 1: Terminology and common tests (national adoption with modifications of ISO 5395-1:2013; ISO 5395-1:2013/Amd 1:2017)

This part of OPEI 5395 specifies terminology and common test methods used for verification of safety requirements for combustion engine powered rotary lawnmowers and cylinder lawnmowers including pedestrian-controlled (with or without sully) and ride-on types.

Single copy price: Free

Obtain an electronic copy from: dmustico@opei.org

Send comments (copy psa@ansi.org) to: Same

OPEI (Outdoor Power Equipment Institute)

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

National Adoption

BSR/OPEI 5395-2-202X, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 2: Pedestrian-controlled lawnmowers (national adoption with modifications of ISO 5395-2:2013; ISO 5395-2:2013/Amd 1:2016; ISO 5395-2:2013/Amd 2:2017)

This part of OPEI 5395 specifies safety requirements and their verification for combustion-engine-powered pedestrian-controlled rotary lawnmowers and cylinder lawnmowers including pedestrian-controlled mowers with a sully.

Single copy price: Free

Obtain an electronic copy from: dmustico@opei.org

Send comments (copy psa@ansi.org) to: Same

OPEI (Outdoor Power Equipment Institute)

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

National Adoption

BSR/OPEI 5395-3-202X, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 3: Ride-on lawnmowers (national adoption with modifications of ISO 5395-3:2013; ISO 5395-3:2013/Amd 1:2017; ISO 5395-3:2013/Amd 2:2017)

This part of OPEI 5395 specifies safety requirements and their verification for combustion-engine-powered ride-on rotary lawnmowers and cylinder lawnmowers.

Single copy price: Free

Obtain an electronic copy from: dmustico@opei.org

Send comments (copy psa@ansi.org) to: Daniel Mustico <dmustico@opei.org>

Comment Deadline: September 4, 2023

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 222-I-202x, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures (revision and redesignation of ANSI/TIA 222-H-2017, ANSI/TIA 222-H-1-2019)

Create a new revision (Rev. I) to the TIA-222 standard to ensure conformity with referenced standards and consistency with findings within the wireless industry. The entire document is open for comment.

Single copy price: \$377.00

Obtain an electronic copy from: standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, <https://ulse.org/>

Revision

BSR/UL 6703-202x, Connectors for Use in Photovoltaic Systems (revision of ANSI/UL 6703-2021)

1. Addition of Assembly Procedures for Field Assembled Connector Test Samples; 2. Addition of a Cyclic Pull Test; 3. Revision to Test Condition for Low Temperature Impact test for PV Connectors; 4. Harmonize Permitted Cables with NEC 2020 Requirements.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: "<https://csds.ul.com/ProposalAvailable>"

Comment Deadline: September 19, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, <https://ulse.org/>

Revision

BSR/UL 1247-202x, Standard for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2020)

1. Proposed Sixth Edition of the Standard for Diesel Engines for Driving Stationary Fire Pumps, UL 1247, as a standard and a National Standard of Canada; 2. Secondary Starting Systems' 3. Supplemental Overspeed Shutdown Device.

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>

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:

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

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

BSR/AHRI 640 (I-202x (I-P), Performance Rating of Commercial and Industrial Humidifiers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

BSR/AHRI 641 (SI-202x (SI), Performance Rating of Commercial and Industrial Humidifiers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 440-202x (I-P), Performance Rating of Room Fan-Coils (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 441-202x (SI), Performance Rating of Room Fan-coils (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

Project Withdrawn

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

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

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

BSR/AHRI Standard 450-1999, Water-Cooled Refrigerant Condensers, Remote Type (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 460-200x, Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers (revision of ANSI/AHRI Standard 460-2000)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 480-200x, Performance Rating of Remote Type Refrigerant-Cooled Liquid Coolers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 520-202x (I-P), Performance Rating of Positive Displacement Condensing Units (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

Project Withdrawn

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

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

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

BSR/AHRI Standard 521-202x (SI), Performance Rating of Positive Displacement Condensing Units (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 871-202x (I-P), Performance Rating of Direct Geoexchange Heat Pumps (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 871-202x (SI), Performance Rating of Direct Geoexchange Heat Pumps (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 930-202x, Performance Rating of Air-to-Air Energy (Heat) Exchangers for Increased Dehumidification (new standard)

Send comments (copy psa@ansi.org) to: Bill McQuade <BMcQuade@ahrinet.org; kcarlson@ahrinet.org>

Project Withdrawn

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

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

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

BSR/AHRI Standard 1130P-200x, Standard for Sound Rating of Remote, Mechanical Draft, Air-Cooled and Evaporatively-Cooled Condensers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1220P-202x, Testing and Rating of the Performance of Mini-Split (1:1) Air-Conditioning and Heat Pump Equipment (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1240P-202x, Active Chilled Beam Units (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1241-202x (SI), Performance Rating of Active Chilled Beams (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

Project Withdrawn

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

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

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

BSR/AHRI Standard 1260P-202x, Performance Rating of Flue Gas Combustion Analyzers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1290P-202x, Performance Rating of Zone Dampers (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1310-202x, Wind Load Design of HVACR Equipment (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1380-202x (I-P), Methods for Coordinated Energy Management in Residential Applications (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

Project Withdrawn

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

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

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

BSR/AHRI Standard 1381-202x (SI), Methods for Coordinated Energy Management in Residential Applications (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1410P-202x, Testing and Rating Standard for Finned Tube (Commercial) Radiation (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

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

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

BSR/AHRI Standard 1420P-202x, Testing and Rating Standard for Baseboard Radiation (new standard)

Send comments (copy psa@ansi.org) to: Kristin Carlson <kcarlson@ahrinet.org>

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:

RESNET (Residential Energy Services Network, Inc.)

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

BSR/RESNET/ICC 301-2022 Addendum C-202x, Interim Updates (addenda to ANSI/RESNET/ICC 301-2022)

Send comments (copy psa@ansi.org) to: Richard Dixon <rick.dixon@resnet.us>

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:

RESNET (Residential Energy Services Network, Inc.)

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

BSR/RESNET/ICC 301-2022 Addendum C-202x, Interim Updates (addenda to ANSI/RESNET/ICC 301-2022)

Send comments (copy psa@ansi.org) to: Richard Dixon <rick.dixon@resnet.us>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB Std 145-2023, Standard for Consultation during Friction Ridge Examination (new standard) Final Action Date: 7/11/2023 | *New Standard*

ABYC (American Boat and Yacht Council)

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

ANSI/ABYC A-1-2023, Liquefied Petroleum Gas (LPG) Systems (revision of ANSI/ABYC A-1-2018) Final Action Date: 7/13/2023 | *Revision*

ANSI/ABYC A-4-2023, Fire Fighting Equipment (revision of ANSI/ABYC A-4-2018) Final Action Date: 7/11/2023 | *Revision*

ANSI/ABYC E-11-2023, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2021) Final Action Date: 7/11/2023 | *Revision*

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

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

ANSI/AHRI Standard 850-2013 (R2023) (I-P), Performance Rating of Commercial and Industrial Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 850 (I-P)-2013,) Final Action Date: 7/11/2023 | *Reaffirmation*

ANSI/AHRI Standard 851-2013 (R2023) (SI), Performance Rating of Commercial and Industrial Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 851 (SI)-2013) Final Action Date: 7/11/2023 | *Reaffirmation*

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

ANSI X9.73-2023, Cryptographic Message Syntax (revision of ANSI X9.73-2017) Final Action Date: 7/11/2023 | *Revision*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME A17.9/CSA B44.9-2023, Elevator Buffers (new standard) Final Action Date: 7/12/2023 | *New Standard*

CSA (CSA America Standards Inc.)

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

ANSI/CSA FC 6 CSA C22.2 No. 62282-2-100-2023, Fuel cell technologies - Part 2-100: Fuel cell modules - Safety (IEC 62282-2-100:2020, MOD) (reaffirm a national adoption ANSI/CSA FC 6-2018) Final Action Date: 7/6/2023 | *Reaffirmation*

IKECA (International Kitchen Exhaust Cleaning Association)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@ikeca.org, www.ikeca.org

ANSI/IKECA M-10-2023, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA M-10-2019) Final Action Date: 7/11/2023 | *Revision*

SPRI (Single Ply Roofing Industry)

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

ANSI/SPRI/FM MPO-1-2023, Test Standard for Comparative Pull-Over Strengths of Membrane Fastening Systems and Waterproofing Membrane Materials Used with Low Slope Roofing Systems (new standard) Final Action Date: 7/12/2023 | *New Standard*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 4920000-C-2023, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2019) Final Action Date: 7/6/2023 | *National Adoption*

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ulse.org/>

ANSI/UL 5500-2018 (R2023), Standard for Safety for Remote Software Updates (reaffirmation of ANSI/UL 5500-2018) Final Action Date: 7/7/2023 | *Reaffirmation*

ANSI/UL 244B-2023, Field Installed and/or Field Connected Appliance Controls (revision of ANSI/UL 244B-2022) Final Action Date: 7/14/2023 | *Revision*

ANSI/UL 414-2023, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2022) Final Action Date: 7/12/2023 | *Revision*

ANSI/UL 763-2023, Standard for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2022) Final Action Date: 7/10/2023 | *Revision*

ANSI/UL 962A-2023, Standard for Furniture Power Distribution Units (revision of ANSI/UL 962A-2022) Final Action Date: 7/13/2023 | *Revision*

ANSI/UL 1069-2023, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2022) Final Action Date: 7/14/2023 | *Revision*

ANSI/UL 1203-2023, Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (revision of ANSI/UL 1203-2022) Final Action Date: 7/10/2023 | *Revision*

ANSI/UL 1363-2023, Standard for Relocatable Power Taps (revision of ANSI/UL 1363-2018) Final Action Date: 7/13/2023 | *Revision*

ANSI/UL 1838-2023, Standard for Low Voltage Landscape Lighting Systems (revision of ANSI/UL 1838-2020) Final Action Date: 7/11/2023 | *Revision*

ANSI/UL 1897-2023, Standard for Safety for Uplift Tests for Roof Covering Systems (revision of ANSI/UL 1897-2015 (R2020)) Final Action Date: 7/13/2023 | *Revision*

ANSI/UL 6420-2023, Standard for Equipment Used for System Isolation and Rated as a Single Unit (revision of ANSI/UL 6420-2012) Final Action Date: 7/14/2023 | *Revision*

WMMA (ASC 01) (Wood Machinery Manufacturers of America)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@wmma.org, www.wmma.org

ANSI O1.1-2013 (R2023), Woodworking Machinery - Safety Requirements (reaffirmation of ANSI O1.1-2013) Final Action Date: 7/11/2023 | *Reaffirmation*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

AAMI - Association for the Advancement of Medical Instrumentation

AAMI SP, Sphygmomanometer Committee

The committee is seeking regulatory, and general interest members to participate in the identical adoption project for ISO 81060-3:2022/Ed.1, Non-invasive sphygmomanometers — Part 3: Clinical investigation of continuous automated measurement type.

Contact: Ladan Bulookbashi at lbulookbashi@aami.org

ANSI Accredited Standards Developer

AHRI - Air-Conditioning, Heating, and Refrigeration Institute

AHRI Consensus Bodies seeking Regulatory Agency Interest Category Representation

- AHRI Applied Consensus Body - Applicable AHRI Standards (an edition is a current ANS or proposed ANS, and is of interest to a Regulatory Agency)
 - AHRI Standard 1550 (SI/I-P), Performance Rating of Liquid-Chilling and Heat Pump Liquid-Heating Packages Using the Vapor Compression Cycle
 - AHRI Standard 920 (I-P), Performance Rating of DX-dedicated Outdoor Air System Units
- AHRI Heating Consensus Body - Applicable AHRI Standards
 - AHRI Standard 1160 (I-P), Performance Rating of Heat Pump Pool Heaters
 - AHRI Standard 1400, Indirect Fired Water Heater Ratings
 - AHRI Standard 1500 (SI), Method to Determine Efficiency of Commercial Space Heating Boilers
- AHRI Multi-sector Consensus Body - Applicable AHRI Standard
 - AHRI Standard 110 (SI/I-P), Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages
- AHRI Refrigeration Consensus Body - Applicable AHRI Standards
 - AHRI Standard 1200 (I-P), Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets
 - AHRI Standard 1250 (I-P), Performance Rating of Walk-in Coolers and Freezers
 - AHRI Standard 810 (SI/I-P), Performance Rating of Automatic Commercial Ice-Makers
- AHRI Unitary Consensus Body - Applicable AHRI Standards
 - AHRI Standard 310/380 (SI/I-P), Packaged Terminal Air-conditioners and Heat Pumps
 - AHRI Standard 390 (I-P), Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps
 - AHRI Standard 1230 (I-P), Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment
 - AHRI Standard 210/240 (I-P), Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment
 - AHRI Standard 600 (I-P), Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment

Application process: Applicants should send their name, resume, Interest Category, and which AHRI Consensus Body(ies) they are interested in to AHRI_Standards@ahrinet.org. The contact person for questions should be Karl Best kbest@ahrinet.org 703-293-4887. More info: <https://www.ahrinet.org/standards/how-participate>

AHRI Consensus Bodies are composed of experts, both AHRI members and non-members, who provide the final review and approval to publish an approved AHRI standard as an American National Standard. Each Consensus Body has eight to 12 members. Employment by an AHRI member company is not required for membership in the Consensus Body. A balance of interests is required among the Consensus Body membership. As such, AHRI invites and welcomes participation by a broad range of stakeholder interests, especially those outside of AHRI's membership which is primarily

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | LBulookbashi@aami.org, www.aami.org

BSR/AAMI/ISO 81060-3-202x, Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type (identical national adoption of ISO 81060-3:2022/Ed.1)

Interest Categories: Text for a call for a membership: AAMI SP, Sphygmomanometer Committee: The committee is seeking regulatory, and general interest members to participate in the identical adoption project for ISO 81060-3:2022/Ed.1, Non-invasive sphygmomanometers – Part 3: Clinical investigation of continuous automated measurement type. Contact: Ladan Bulookbashi at lbulookbashi@aami.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

BSR/ABMA 19.1-2011 (R202x), Tapered Roller Bearings - Radial Metric Design (reaffirmation of ANSI/ABMA 19.1-2011 (R2018))

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

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

BSR/ASSP A10.31-202X, Safety Requirements, Definitions and Specifications for Digger Derricks (revision and redesignation of ANSI/ASSP A10.31-2019)

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

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

BSR/ASSP A10.48-202X, Criteria for Safety Practices with the Construction, Demolition, Modification and Maintenance of Communication Structures (revision and redesignation of ANSI/ASSE A10.48-2016)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600015.03-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI/ATIS 0600015.03-2016 (R2021))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 887-B-202x, Thin Film Resistor Network Specification (revision and redesignation of ANSI/EIA 887-A-2015)

ISA (International Society of Automation)

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

BSR/ISA 18.1-202x, Annunciator Sequences and Specifications (new standard)

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA MG 1-202x Rev 1-202x, Motors and Generators (revision of ANSI NEMA MG 1-2022)

TIA (Telecommunications Industry Association)

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

BSR/TIA 222-I-202x, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures (revision and redesignation of ANSI/TIA 222-H-2017, ANSI/TIA 222-H-1-2019)

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

BSR/UL 1323-202x, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023)

American National Standards (ANS) Process

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

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

AIA - Aerospace Industries Association

Effective July 11, 2023

The reaccreditation of **AIA - Aerospace Industries Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AIA-sponsored American National Standards, effective **July 11, 2023**. For additional information, please contact: Christopher Carnahan, Aerospace Industries Association (AIA) | 1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209 | (703) 358-1052, chris.carnahan@aia-aerospace.org

Approval of Reaccreditation – ASD

LIA (ASC Z136) - Laser Institute of America Safe Use of Lasers

Effective July 11, 2023

The reaccreditation of **LIA - Laser Institute of America**, sponsor of **ASC Z136, Safe Use of Lasers**, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on LIA /ASC Z136-sponsored American National Standards, effective **July 11, 2023**. For additional information, please contact: Liliana Caldero, Laser Institute of America (LIA (ASC Z136)) | 12001 Research Parkway, Suite 210, Orlando, FL 32828 | (407) 380-1553, lcaldero@lia.org

Public Review of Revised ASD Scope

IEEE (ASC C2) - Institute of Electrical and Electronics Engineers National Electrical Safety Code

Comment on Scope Deadline: August 21, 2023

The **IEEE (ASC C2) - Institute of Electrical and Electronics Engineers**

National Electrical Safety Code, an ANSI Member and Accredited Standards Developer, has submitted revisions to its current SCOPE IEEE (ASC C2)-sponsored American National Standards, under which it was last reaccredited in 2019. 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: NESC Team, Institute of Electrical and Electronics Engineers (IEEE (ASC C2)) | 445 Hoes Lane, Piscataway, NJ 08855-1331 | (732) 465-5888, nesc-support@ieee.org

Please submit any public comments on the revised procedures to IEEE (ASC C2) by **August 21, 2023**, 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.

AAFS

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

Teresa Ambrosius
tambrosius@aafs.org

AAMI

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

Ladan Bulookbashi
LBulookbashi@aami.org

ABMA (ASC B3)

American Bearing Manufacturers
Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
www.americanbearings.org

Amir Aboutaleb
aboutaleb@agma.org

ABYC

American Boat and Yacht Council
613 Third Street, Suite 10
Annapolis, MD 21403
www.abycinc.org

Emily Parks
eparks@abycinc.org

ACCA

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

David Bixby
david.bixby@acca.org

AHRI

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

Karl Best
kbest@ahrinet.org

ASC X9

Accredited Standards Committee X9,
Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
www.x9.org

Ambria Calloway
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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

Ryan Shanley
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ASME

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

Maria Acevedo
ansibox@asme.org

ASSP (Safety)

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

Tim Fisher
TFisher@ASSP.org

ASTM

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

Laura Klineburger
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ATIS

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

Drew Greco
dgreco@atis.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org

Paul Olson
polson@awwa.org

CSA

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

Debbie Chesnik
ansi.contact@csagroup.org

ECIA

Electronic Components Industry
Association
13873 Park Center Road, Suite 315
Herndon, VA 20171
www.ecianow.org

Laura Donohoe
ldonohoe@ecianow.org

IKECA

International Kitchen Exhaust Cleaning
Association
2331 Rock Spring Road
Forest Hill, MD 21050
www.ikeca.org

Nikki Augsburger
nikki@ikeca.org

ISA (ASC Z133)

International Society of Arboriculture
270 Peachtree Street NW, Suite 1900
Atlanta, GA 30303
www.isa-arbor.com

Chericka Ashley
cashley@isa-arbor.com

ISA (Organization)

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

Charley Robinson
crobinson@isa.org

NEMA

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
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NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
www.nema.org

David Richmond
David.Richmond@nema.org

OPEI

Outdoor Power Equipment Institute
1605 King Street
Alexandria, VA 22314
www.opei.org

Daniel Mustico
dmustico@opei.org

SPRI

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

Linda King
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TIA

Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
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Teesha Jenkins
standards-process@tiaonline.org

ULSE

UL Standards & Engagement
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ULSE

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Susan.P.Malohn@ul.org

WMMA (ASC O1)

Wood Machinery Manufacturers of
America
2331 Rock Spring Road
Forest Hill, MD 21050
www.wmma.org

Nikki Augsburg
nikki@wmma.org

ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 29981, Milk products - Enumeration of bifidobacteria - Colony-count technique - 9/28/2023, \$67.00

Biotechnology (TC 276)

ISO/DIS 18209-1, Biotechnology - Biobanking of parasites - Part 1: Helminths - 9/28/2023, \$77.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 16784-1, Corrosion of metals and alloys - Corrosion and fouling in industrial cooling water systems - Part 1: Guidelines for conducting pilot-scale evaluation of corrosion and fouling control additives for open recirculating cooling water systems - 9/30/2023, \$67.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19103, Geographic information - Conceptual schema language - 10/1/2023, \$155.00

Geosynthetics (TC 221)

ISO/DIS 12957-2, Geosynthetics - Determination of friction characteristics - Part 2: Inclined plane test - 10/1/2023, \$62.00

Nuclear energy (TC 85)

ISO/DIS 23548, Measurement of radioactivity - Alpha emitting radionuclides - Generic test method using alpha spectrometry - 10/2/2023, \$107.00

Paints and varnishes (TC 35)

ISO/DIS 1514, Paints and varnishes - Standard panels for testing - 9/29/2023, \$58.00

Petroleum products and lubricants (TC 28)

ISO/DIS 12925-1, Lubricants, industrial oils and related products (class L) - Family C (gears) - Part 1: Specifications for lubricants for enclosed gear systems - 9/29/2023, \$112.00

Road vehicles (TC 22)

ISO/DIS 24581, Road vehicles - General requirements and test methods of in-vehicle optical harnesses for up to 100Gbit/s communication - 10/1/2023, \$155.00

ISO/DIS 11452-1.2, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1: General principles and terminology - 7/22/2023, \$112.00

Tourism and related services (TC 228)

ISO/DIS 18725, Tourism and related services - Yacht harbours and drystacks - Requirements for clean harbours and active biodiversity harbours - 9/29/2023, \$62.00

Traditional Chinese medicine (TC 249)

ISO/DIS 9299, Traditional Chinese Medicine - Curcuma Longa rhizome - 10/2/2023, \$67.00

ISO/DIS 13615, Traditional Chinese Medicine - Atractylodes macrocephala rhizome - 10/1/2023, \$58.00

Water re-use (TC 282)

ISO/DIS 9111, Water reuse in urban areas - Guidelines for benefit evaluation of reclaimed water use - 10/2/2023, \$67.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23078-1, Information technology - Specification of DRM technology for digital publications - Part 1: Overview of copyright protection technologies in use in the publishing industry - 9/28/2023, \$40.00

ISO/IEC DIS 23078-2, Information technology - Specification of DRM technology for digital publications - Part 2: User key-based protection - 9/28/2023, \$107.00

ISO/IEC DIS 23078-3, Information technology - Specification of DRM technology for digital publications - Part 3: Device key-based protection - 9/30/2023, \$98.00

IEC Standards

Bare aluminium conductors (TC 7)

7/734/NP, PNW TS 7-734 ED1: Conductors for overhead lines - Fiber reinforced composite core used as supporting member material - Part 1: Polymeric matrix composite cores, 08/11/2023

7/735/NP, PNW TS 7-735 ED1: Conductors for overhead lines - Fiber reinforced composite core used as supporting member material - Part 2: Metallic matrix composite cores, 08/11/2023

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

46A/1642/CD, IEC 61196-1-105 ED2: Coaxial communication cables - Part 1-105: Electrical test methods - Test for withstand voltage of cable dielectric, 10/06/2023

Electrical accessories (TC 23)

23K/87(F)/FDIS, IEC 63345 ED1: Energy efficiency systems - Simple external consumer display, 08/04/2023

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

111/714/CD, Replaced by 111/714A/CD, 09/08/2023

111/706/CDV, IEC 82474-1 ED1: Material declaration - Part 1: General requirements, 10/06/2023

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

112/616/CD, IEC 61857-42 ED1: Electrical insulation systems - Procedures for thermal evaluation - Part 42: Specific requirements for evaluation of an electrical insulation system (EIS) used for road transportation applications, 09/08/2023

112/612/FDIS, IEC 62631-3-2 ED2: Dielectric and resistive properties of solid insulating materials - Part 3-2: Determination of resistive properties (DC methods) - Surface resistance and surface resistivity, 08/25/2023

Fibre optics (TC 86)

86B/4769/CDV, IEC 61755-3-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 09/08/2023

86B/4770/CDV, IEC 61755-3-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres - angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 09/08/2023

86C/1881/CD, IEC 62007-2 ED3: Semiconductor optoelectronic devices for fibre optic system applications - Part 2: Measuring methods, 10/06/2023

86C/1880(F)/FDIS, IEC 62148-17 ED2: Fibre optic active components and devices - Package and interface standards - Part 17: Transmitter and receiver components with dual coaxial RF connectors, 08/18/2023

Industrial-process measurement and control (TC 65)

65/1017/CDV, ISO 20140-5 ED2: Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 5: Environmental performance evaluation data, 10/06/2023

Lamps and related equipment (TC 34)

34/1053/CDV, IEC 63128/AMD1 ED1: Amendment 1 - Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear, 10/06/2023

Magnetic components and ferrite materials (TC 51)

51/1453/CD, IEC 62674-1 ED2: High frequency inductive components - Part 1: Fixed surface mount inductors for use in electronic and telecommunication equipment, 10/06/2023

Performance of household electrical appliances (TC 59)

59K/374/CD, IEC 60704-2-10 ED3: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-10: Particular requirements for ranges, ovens, steam ovens, grills and microwave ovens, 10/06/2023

59L/240/CD, IEC 60704-2-11 ED2: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically-operated food preparation appliances, 10/06/2023

Power electronics (TC 22)

22G/475/FDIS, IEC 61800-9-2 ED2: Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification, 08/25/2023

Printed Electronics (TC 119)

119/441/CDV, IEC 62899-301-3 ED1: Printed Electronics - Part 301-3: Equipment - Contact printing - Rigid master - Method to measure the shape errors of printing plate rollers, 10/06/2023

Standard voltages, current ratings and frequencies (TC 8)

8A/126/CD, IEC TS 63406 ED1: Generic RMS simulation models of converter-based generating units for power system dynamic analysis, 09/08/2023

8A/127/NP, PNW TS 8A-127 ED1: Specification for evaluation of renewable energy power forecasting results, 10/06/2023

Switchgear and controlgear (TC 17)

17C/902/FDIS, IEC 62271-207 ED3: High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies, metal enclosed and solid-insulation enclosed switchgear for rated voltages above 1 kV, 08/25/2023

SyCCOMM

SyCCOMM/72/CD, IEC TS 63433 ED1: Systems Reference Deliverable (SRD) - SyC COMM Standards Mapping, 10/06/2023

SyCCOMM/71/NP, PNW TS SYCCOMM-71 ED1: Systems Reference Deliverable (SRD) - IPv6 based enterprise networking and Industrial Internet, 10/06/2023

Ultrasonics (TC 87)

87/836/CDV, IEC 61846 ED2: Ultrasonics - Therapeutic focused short pressure pulse sources - Characteristics of fields, 10/06/2023

Winding wires (TC 55)

55/1975/CDV, IEC 60317-67/AMD1 ED1: Amendment 1 - Specifications for particular types of winding wires - Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105, 10/06/2023

ISO/IEC JTC 1, Information Technology**(JTC1)**

JTC1-SC41/362/FDIS, ISO/IEC 30173 ED1: Digital twin - Concepts and terminology, 09/08/2023

JTC1-SC41/361/CD, ISO/IEC 30181 ED1: Internet of Things (IoT) - Functional architecture for resource ID interoperability, 09/08/2023

JTC1-SC41/360/CD, ISO/IEC 30184 ED1: Internet of Things (IoT) - Autonomous IoT object identification in connected home - Requirements and framework, 09/08/2023

JTC1-SC41/359/CD, ISO/IEC 30187 ED1: Internet of Things (IoT) - Evaluation indicator for IoT systems, 09/08/2023

JTC1-SC41/357/CD, ISO/IEC TR 30194 ED1: Internet of Things (IoT) and Digital Twin - Best practices for use case projects, 09/08/2023

JTC1-SC25/3178/NP, PNW JTC1-SC25-3178 ED1: Information Technology - Home Electronic System (HES) gateway - Application services - Part 5-1: Overview, foundation, and requirements, 10/06/2023

JTC1-SC25/3179/NP, PNW JTC1-SC25-3179 ED1: Information Technology - Home Electronic System (HES) gateway - Application services - Part 5-2: Energy management and measurement application (EMMA), 10/06/2023



Newly Published ISO & IEC Standards

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

ISO Standards

Acoustics (TC 43)

[ISO 532-3:2023](#), Acoustics - Methods for calculating loudness - Part 3: Moore-Glasberg-Schlittenlacher method, \$183.00

Agricultural food products (TC 34)

[ISO 5537:2023](#), Dried milk and dried milk products - Determination of moisture content (reference method), \$77.00

Aircraft and space vehicles (TC 20)

[ISO 5109:2023](#), Evaluation method for the resonance frequency of the multi-copter UA (unmanned aircraft) by measurement of rotor and body frequencies, \$77.00

Anaesthetic and respiratory equipment (TC 121)

[ISO 5367:2023](#), Anaesthetic and respiratory equipment - Breathing sets and connectors, \$183.00

[ISO 27427:2023](#), Anaesthetic and respiratory equipment - Nebulizing systems and components, \$183.00

Equipment for fire protection and fire fighting (TC 21)

[ISO 7240-7:2023](#), Fire detection and alarm systems - Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization, \$237.00

Fine ceramics (TC 206)

[ISO 3180:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of calcium-phosphate-based powders for non-biomedical applications, \$116.00

Furniture (TC 136)

[ISO 19682:2023](#), Furniture - Tables - Test methods for the determination of stability, strength and durability, \$210.00

Gas cylinders (TC 58)

[ISO 11623:2023](#), Gas cylinders - Composite cylinders and tubes - Periodic inspection and testing, \$210.00

[ISO 11114-1:2020/Amd 1:2023](#), - Amendment 1: Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials - Amendment 1, \$22.00

[ISO 11119-3:2020/Amd 1:2023](#), - Amendment 1: Gas cylinders - Design, construction and testing of refillable composite gas cylinders and tubes - Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners - Amendment 1, \$22.00

Graphic technology (TC 130)

[ISO 24585-1:2023](#), Graphic technology - Multispectral imaging measurement and colorimetric computation for graphic arts and industrial application - Part 1: Parameters and measurement methods, \$77.00

Industrial furnaces and associated processing equipment (TC 244)

[ISO 20431:2023](#), Heat treatment - Control of quality, \$210.00

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

[ISO 22974:2023](#), Petroleum and natural gas industry - Pipeline transportation systems - Pipeline integrity assessment specification, \$157.00

Pigments, dyestuffs and extenders (TC 256)

[ISO 3262-7:2023](#), Extenders - Specifications and methods of test - Part 7: Dolomite, \$51.00

[ISO 3262-9:2023](#), Extenders - Specifications and methods of test - Part 9: Calcined clay, \$77.00

[ISO 3262-14:2023](#), Extenders - Specifications and methods of test - Part 14: Cristobalite, \$51.00

Plastics (TC 61)

[ISO 6186:2023](#), Plastics - Determination of pourability, \$51.00

[ISO 7059:2023](#), Caprolactam for industrial use - Determination of absorbance at a wavelength of 290 nm, \$51.00

[ISO 8112:2023](#), Caprolactam for industrial use - Determination of colour of 50 % aqueous caprolactam solution, expressed in Hazen units (platinum-cobalt scale) - Spectrometric method, \$51.00

Pulleys and belts (including veebelts) (TC 41)

[ISO 5295:2023](#), Synchronous belts - Calculation of power rating and drive centre distance, \$51.00

Road vehicles (TC 22)

[ISO 16750-2:2023](#), Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads, \$183.00

[ISO 16750-5:2023](#), Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 5: Chemical loads, \$77.00

Rubber and rubber products (TC 45)

[ISO 8066-4:2023](#), Rubber and plastics hoses and hose assemblies for automotive air conditioning - Specification - Part 4: Low vibration transmission type for Refrigerant 1234yf, \$183.00

Soil quality (TC 190)

[ISO 4974:2023](#), Soil quality - Guidance on soil temperature measurement, \$77.00

Textiles (TC 38)

[ISO 17751-1:2023](#), Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends - Part 1: Light microscopy method, \$210.00

Transport information and control systems (TC 204)

[ISO 23374-1:2023](#), Intelligent transport systems - Automated valet parking systems (AVPS) - Part 1: System framework, requirements for automated driving and for communications interface, \$263.00

ISO Technical Specifications**Document imaging applications (TC 171)**

[ISO/TS 32005:2023](#), Document management - Portable Document Format - PDF 1.7 and 2.0 structure namespace inclusion in ISO 32000-2, \$210.00

Paper, board and pulps (TC 6)

[ISO/TS 11371:2023](#), Pulps - Guidelines for using laboratory refiners to simulate industrial low consistency refining, \$116.00

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

[ISO/TS 16486-7:2023](#), Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 7: Assessment of conformity, \$183.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 10646:2020/Amd 1:2023](#), - Amendment 1: Information technology - Universal coded character set (UCS) - Amendment 1: CJK Unified Ideographs Extension H, Vithkuqi, Old Uyghur, Cypro-Minoan, and other characters, \$263.00

[ISO/IEC 24773-4:2023](#), Software and systems engineering - Certification of software and systems engineering professionals - Part 4: Software engineering, \$116.00

[ISO/IEC 15938-18:2023](#), Information technology - Multimedia content description interface - Part 18: Conformance and reference software for compression of neural networks, \$157.00

[ISO/IEC/IEEE 8802-1AB:2017/Amd 1:2023](#), - Amendment 1: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1AB: Station and media access control connectivity discovery - Amendment 1: YANG data model, \$210.00

[ISO/IEC/IEEE 8802-1AB:2017/Amd 2:2023](#), - Amendment 2: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1AB: Station and media access control connectivity discovery - Amendment 2: Support for multiframe protocol data units, \$210.00

[ISO/IEC TS 5147:2023](#), Information technology - Computer graphics, image processing and environmental data representation - Guidelines for representation and visualization of smart cities, \$183.00

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

[IEC 61076-8-106 Ed. 1.0 b:2023](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-106: Power connectors - Detail specification for 2-poles push-pull coupling rectangular connectors with fuses, for 400 V DC rated voltage and 16 A rated current, \$278.00

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

[IEC 63241-1 Ed. 1.0 b:2023](#), Electric motor-operated tools - Dust measurement procedure - Part 1: General requirements, \$95.00

[IEC 63241-2-6 Ed. 1.0 b:2023](#), Electric motor-operated tools - Dust measurement procedure - Part 2-6: Particular requirements for hand-held hammers, \$51.00

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

[IEC 61010-2-034 Ed. 2.0 b:2023](#), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength, \$417.00

[IEC 61010-2-034 Ed. 2.0 en:2023 EXV](#), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength, \$769.00

(TC 125)

[IEC 63281-1 Ed. 1.0 b:2023](#), E-Transporters - Part 1: Terminology and classification, \$95.00

IEC Technical Specifications

Standard voltages, current ratings and frequencies (TC 8)

[IEC/TS 62786-41 Ed. 1.0 en:2023](#), Distributed energy resources connection with the grid - Part 41: Requirements for frequency measurement used to control distributed energy resources (DER) and loads, \$455.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 218 – Timber

Comment Deadline: August 11, 2023

ANSI has been informed that the American Society of Civil Engineers (ASCE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 218 – *Timber*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 218 operates under the following scope:

Standardization of round, sawn and processed timber, and timber materials in and for use in all applications, including terminology, specifications and test methods.

Excluded: Those applications of timber as covered by ISO/ TC 165 "Timber structures".

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)

Establishment of ISO Technical Committee

ISO/TC 344 – Heat supply network

Response Deadline: July 21, 2023

A new ISO Technical Committee, ISO/TC 344 – *Innovative Logistics*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 344 operates under the following scope:

Standardization of services, techniques and management in the field of logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability in logistics.

The scope will include, but is not limited to;

- *Development of general requirement, framework, metrics, guidance, performance indicator, evaluation for innovative logistics etc.;*
- *Innovative provision of service assurance for logistics (e.g. innovative operation of distribution center, including overseas warehouse in cross-border trade, capacity building for operators, etc.).*
- *Innovative operation, service and synergy optimization in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage (including overseas warehousing), repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.).*

Excluded:

Relevant work within the scopes of the following committees:

- *ISO/TC 22 Road vehicles*
- *ISO/TC 34 Food products*
- *ISO/TC 51 Pallets for unit load method of materials handling*
- *ISO/TC 122 Packaging*
- *ISO/TC 154 Processes, data elements and documents in commerce, industry and administration*
- *ISO/TC 204 Intelligent transport systems*
- *ISO/TC 268 Sustainable cities and communities*
- *ISO/TC 315 Cold chain logistics*
- *ISO/TC 321 Transaction assurance in E-commerce*

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

International Organization for Standardization (ISO)

Establishment of ISO Technical Committee

ISO/TC 345 – Specialty metals and minerals

Comment Deadline: August 11, 2023

A new Technical Committee, ISO/TC 345 – *Specialty metals and minerals*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 345 operates under the following scope:

Standardization in the field of specialty metals and minerals. It includes: terminology, classification, sampling, testing and chemical analysis methods, and delivery conditions. A list of specialty metals and minerals is included as follows: antimony, beryllium, cobalt, chromium, graphite, niobium, platinum group metals.

Excluded: Finished products; Sustainability issues; Mining, already covered by ISO/TC 82 “Mining”; Elements already covered by existing ISO technical committees: ISO/TC 18 “Zinc and zinc alloys”, ISO/TC 20/SC 18 “Materials” (under ISO/TC 20 “Aircraft and space vehicles”), ISO/TC 26 “Copper and copper alloys”, ISO/TC 79 “Light metals” (aluminum, titanium, magnesium), ISO/TC 132 “Ferroalloys” (manganese, chrome in ferroalloys), ISO/TC 155 “Nickel and nickel alloys”, ISO/TC 183 “Copper, lead, zinc and nickel ores and concentrates”, ISO/TC 298 “Rare earth”, ISO/TC 333 “Lithium”.

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

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 160-2021**

Public Review Draft

**Proposed Addendum a to
Standard 160-2021, Criteria for Moisture-
Control Design Analysis in Buildings**

**First Public Review (July 2023)
(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).

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

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ASHRAE, 180 Technology Parkway, Peachtree Corners GA 30092

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

FOREWORD

ASTM International recently published a standard guide under designation E3054/E3054M – 16, entitled “Standard Guide for Characterization and Use of Hygrothermal Models for Moisture Control Design in Building Envelopes.” This standard guide is complementary to ASHRAE Standard 160 and provides useful information regarding the characterization and classification of hygrothermal models, the documentation of model characteristics and inputs, and the reporting of results. This addendum improves the organization and clarity of Section 7 (Reporting) of Standard 160-2021 and adds commentary that references ASTM E3054/E3054M – 16.

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

Addendum a to 160-2021

Revise Section 7 as shown.

7. REPORTING

The following reporting requirements shall be met^{B-27}.

7.1 Provide a description of the building envelope assembly, and the following information:

- a. ~~Assembly~~
- b. Type of envelope assembly (wall, roof, etc.)
- c. List of constitutive material layers in order from exterior to interior
- d. Orientation
- e. Surface ~~coefficients~~ radiative properties
- f. Air space locations and air space ventilation rates with outdoor air
- g. List of materials (include reference source of data) Geographic location of the building

7.2 Provide data on each of the materials in the building envelope assembly and the source of data.

- a. Material description
- b. Thickness
- c. Density
- d. Thermal conductivity and its dependency on temperature and moisture content, if ~~applicable~~ available
- e. Specific heat capacity
- f. Vapor permeance, ~~or vapor permeability,~~ or vapor diffusion resistance factor and its dependency on moisture content or relative humidity
- g. Sorption isotherm
- h. Liquid diffusivity or liquid conductivity and its dependency on moisture content or relative humidity
- i. Suction isotherm
- j. ~~Initial moisture content~~
- k. Other material properties that are relevant ~~required~~ for the analysis ~~analytic model~~, possibly including the following:

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 160-2021, *Criteria for Moisture-Control Design Analysis in Buildings*

First Public Review Draft

1. Porosity
2. Capillary saturation
3. Maximum saturation
4. Airflow permeability

7.3 Provide general information about the building.

- a. Procedures to protect materials from wetting during construction are specified? (Y/N) (Section 4.1)
- b. Are the operating temperatures for the building specified? (Y/N) (Section 4.2)
- c. Are HVAC equipment and controls included in the design? (Y/N) (Section 4.3)
- d. Which indoor design humidity method is selected?
 1. Simplified method (Section 4.3.1)
 2. Intermediate method (Section 7.4)
 3. Full parameter method (Section 4.3.3)
- e. Effects of airflow are considered? (Section 4.4)
 1. No
 2. Yes (Section 4.4.1)
- f. If effects of airflow are considered:
 1. Design air pressures, managed and verified? (Y/N)
 2. Airtightness known? (Y/N)
- g. Weather data (moisture Design Reference Year or 10 years consecutive) (Section 4.5)
- h. Exposure factor (0.7 to 1.5) (Table 4.6.1)
- i. Deposition factor (0.35, 0.5, or 1.0)
- j. Analytic program: Name and description (Section 5):

7.3 Provide documentation of the initial temperature and moisture conditions. In addition, provide the following:

- a. For new construction, are procedures specified to dry construction materials or to protect materials and assemblies from wetting during construction? (Yes/No) (Informative Note: See Section 4.1 of this standard).
- b. For retrofit applications, are measured moisture content values available? (Yes/No) (Informative Note: See Section 4.1 of this standard) If “yes”, provide documentation of the measured values.

7.4 Provide documentation of the interior conditions, exterior weather conditions, and surface heat and mass transfer coefficients. In addition, provide the following:

- a. Are the operating temperatures for the building specified? (Yes/No) (Informative Note: See Section 4.2 of this standard).
- b. Is the indoor humidity explicitly controlled by HVAC equipment and controls included in the design? (Yes/No) If “yes”, report the intended design indoor humidity. (Informative Note: See Section 4.3 of this standard) If “no”, report which indoor design humidity method is selected.
 1. Simplified method (Informative Note: See Section 4.3.1 of this standard).
 2. Intermediate method: provide further documentation in accordance with Section 7.4.1 of this standard. (Informative Note: See Section 4.3.2 of this standard).
 3. Full parametric method: provide further documentation in accordance with Section 7.4.2 of this standard. (Informative Note: See Section 4.3.3 of this standard).
- c. Identify weather data used in the analysis as either the Moisture-Design Reference Year or consecutive years of hourly meteorological weather data. (Informative Note: See Section 4.5 of this standard). Provide the geographic location of the weather data.
- d. For exterior wall assemblies, report the method used to analyze wind-driven rain loads: comprehensive analysis or Equation 4-8. (Informative Note: See Section 4.6 of this standard). If Equation 4-8 is used, provide the following:
 1. Exposure factor (0.7 to 1.5) (Informative Note: See Table 4-4 of this standard).
 2. Deposition factor (0.35, 0.5, or 1.0) (Informative Note: See Section 4.6 of this standard).

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 160-2021, *Criteria for Moisture-Control Design Analysis in Buildings*

First Public Review Draft

7.4.7.4.1 Intermediate Method. ~~If For users of the intermediate method of determining indoor design humidity only is used~~ (Informative Note: See Section 4.3.2 of this standard), provide the following:

- a. Residential or nonresidential occupancy?
- b. Moisture generation rate (Informative Note: See Sections 4.3.2.1.1 and 4.3.2.1.2 of this standard)
- c. Designed ventilation system? (Yes/No)
- d. Number of design air changes per hour (Informative Note: See Sections 4.3.2.1.3 and 4.3.2.1.4 of this standard)
- e. Building volume
- f. Resulting ventilation rate
- g. For thermostat-controlled air conditioning (Informative Note: See Section 4.3.2.2 of this standard):
 1. Mean coincident outdoor design humidity ratio for cooling
 2. Resulting design indoor humidity
- h. For humidistat-controlled air conditioning (Informative Note: See Section 4.3.2.2 of this standard) or dehumidification (Informative Note: See Section 4.3.2.3 of this standard):
 1. Humidity control setting

7.4.2 Full Parametric Method. If the full parametric method of determining indoor design humidity is used, report the parameters in accordance with those listed in Section 4.3.3 of this standard.

7.5 Provide documentation of the building envelope assembly air leakage and rain penetration characteristics. In addition, provide the following:

- a. Are effects of airflow considered? (Yes/No) (Informative Note: See Section 4.4 of this standard) If “yes”, provide the following:
 1. Is the air pressure differential between indoors and outdoors explicitly controlled by HVAC equipment and controls included in the design? (Yes/No) If “yes”, report the intended air pressure differential. If “no”, report which procedure is used for the design air pressure differential (Alternative 1 or Alternative 2). (Informative Note: See Section 4.4.1 of this standard).
 2. Is the airtightness of the envelope assembly known? (Yes/No) If “yes”, report the value and the test method. If “no”, report the option used: airtight building or standard construction. (Informative Note: See Section 4.4.1 of this standard).
 3. Provide a description of the airflow pathways selected and a technical rationale.
- b. For exterior wall assemblies, report the amount of rain penetration, deposit site, and technical rationale. (Informative Note: See Section 4.6.1 of this standard).

7.6 Provide documentation of the software including the following:

- a. The name and version of software.
- b. Report whether the model is deterministic or stochastic.
- c. Report the dimensionality of the model (1D, 2D, or 3D).
- d. Report the numerical grid, time step, and numerical convergence parameters.

7.57 Provide the moisture performance evaluation criteria used and provide results.

- a. If conditions necessary to minimize mold growth are evaluated, provide the following:
 - a1. Material sensitivity class and rationale for its selection
 - b2. Mold index decline coefficient and rationale for its selection
 - e3. Time series of surface temperature and surface relative humidity values
 - d4. Time series of mold index values
 - e5. Outcome (pass/fail)
- b. If corrosion is evaluated, provide the following:
 - a1. Criterion used (80% surface rh/other)
 - b2. Time series of surface temperature and surface relative humidity values

e3. Outcome (pass/fail)

Revise Informative Appendix B, “Commentary on Standard 160,” as shown.

^{B-27} Further information that may be useful in describing the hygrothermal analysis is provided in ASTM E3054/E3054M – 16, *Standard Guide for Characterization and Use of Hygrothermal Models for Moisture Control Design in Building Envelopes* (ASTM 2016). This ASTM Standard Guide is complementary to ASHRAE Standard 160. Specifically, the following sections of the ASTM Standard Guide are relevant:

- Section 5, “Hygrothermal Model Analysis Inputs,” provides a classification of model characteristics, such as the nature of equations, physical phenomena included, dimensionality, and validation, and a classification of model inputs, including material properties, exterior and interior conditions, assembly air leakage, water drainage, and water penetration.
- Section 6, “Documentation Approach of Modeling Application,” provides guidance on documenting the problem, the scope and purpose of the analysis, the classification of the model, and various inputs mentioned above.
- Section 7, “Reporting of Hygrothermal Model Results,” provides guidance on the display, evaluation, and interpretation of the analysis results.

Revise Informative Appendix C, “Bibliography,” as shown.

ASTM. 2016. ASTM E3054/E3054M – 16, Standard Guide for Characterization and Use of Hygrothermal Models for Moisture Control Design in Building Envelopes. West Conshohocken, PA: ASTM International.



**BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 15-2022**

First Public Review Draft

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

**First Public Review (July 2023)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

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

FOREWORD

This proposed addendum removes the terms “human comfort” and “other than human comfort” from the standard, as these terms are both undefined and do not adequately describe the types of systems that are intended to cover. Sections 7.5, 7.6, 7.7, and 7.8 are rewritten to clarify the specific application types that they pertain to, and to be more consistent in their approach. Informative notes are also added to provide more context on the product safety standards and equipment types in question.

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

Addendum e to Standard 15-2022

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

7. DEFINITIONS

[...]

7.5.2 Application Restrictions by Refrigerant Safety Group

7.5.2.1 High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers. Air conditioners, heat pumps, or dehumidifiers classified as a high-probability system shall comply with the following:

- a. Group A2, A3, B1, B2L, B2, and B3 refrigerants shall not be used.
- b. Group A2L refrigerants shall be in accordance with Section 7.6.

~~**Refrigeration Systems for Human Comfort.** Group A2, A3, B1, B2L, B2, and B3 refrigerants shall not be used in high-probability systems in human comfort. Use of Group A2L refrigerants shall be in accordance with Section 7.6.~~

[...]

7.5.2.2 ~~Refrigeration Systems Other Than Human Comfort.~~ High-Probability Systems Other Than Air Conditioners, Heat Pumps, and Dehumidifiers. High-probability systems other than air conditioners, heat pumps, and dehumidifiers shall comply with the following:

- a. Group B1, B2L, B2, and B3 refrigerants shall not be used.
- b. Group A2L refrigerants for commercial refrigeration shall be in accordance with Section 7.7.
- c. Group A2 refrigerants for commercial refrigeration shall be in accordance with Section 7.8.
- d. Group A3 refrigerants shall be in accordance with Section 7.5.3.

~~for other than human comfort applications shall not use Class B refrigerants. Use of Group A2L refrigerants shall be in accordance with Section 7.7. Use of Group A2 refrigerants shall be in accordance with Section 7.8. Use of Group A3 refrigerants shall be in accordance with Section 7.5.3.~~

[...]

7.6* High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers using Group A2L Refrigerants for Human Comfort. Air conditioners, heat pumps, or dehumidifiers classified as a high-probability system High-probability systems and within the scope of UL 484¹¹ or UL 60335-2-40⁵/CSA C22.2 No. 60335-2-40⁶, shall

comply with this section.

[...]

7.6.1.1* **Refrigeration Systems with Air Circulation.** Where a ~~high-probability system for human comfort~~ an air conditioner, heat pump, or dehumidifier classified as a high-probability system and using Group A2L refrigerants has either:

- a. ~~air circulation~~ initiated by a ~~refrigerant detector~~ refrigerant detection system in compliance with Section 7.6.2.4 or
- b. continuous ~~air circulation~~,

the ~~refrigerant~~ charge quantity *shall* be limited per Equation 7-8. ...

[...]

7.7* **High-Probability Commercial Refrigeration Systems using Group A2L Refrigerants for Refrigeration Systems Other Than Human Comfort.** ~~High-probability systems~~ using Group A2L refrigerants for ~~other than human comfort~~ commercial refrigeration applications within the scope of UL 60335-2-89⁷/CSA C22.2 No. 60335-2-89⁸ *shall* comply with this section ~~Sections 7.7.1 through 7.7.5.~~

[...]

7.8* **High-Probability Commercial Refrigeration Systems using Group A2 Refrigerants for Refrigeration Systems Other Than Human Comfort.** ~~High-probability systems~~ using Group A2 refrigerants for ~~other than human comfort~~ commercial refrigeration applications within the scope of UL 60335-2-89⁷/CSA C22.2 No. 60335-2-89⁸ *shall* comply with this section. ~~Refrigeration systems~~ using Group A2 refrigerants *shall* be limited to listed self-contained systems containing no more than $0.459 \times LFL$ (lb), where *LFL* is in lb/1000 ft³ ($13 \times LFL$ [kg], where *LFL* is in kg/m³), provided that the system is installed in accordance with the listing and the *manufacturer's* installation instructions. ~~Refrigeration systems~~ containing more than $0.141 \times LFL$ (lb) ($4 \times LFL$ [kg]) in an *independent circuit shall not* be installed within 20 ft (6 m) of an open flame.

[...]

7.8.1 **Listing and Installation Requirements.** ~~Refrigeration systems shall be listed to UL 60335-2-89⁷/CSA C22.2 No. 60335-2-89⁸ and shall be installed in accordance with the listing and the manufacturer's instructions.~~

Exception to 7.8.1: These requirements do not apply to *industrial occupancies*.

[...]

Modify Section 8 as follows. The remainder of Section 8 remains unchanged.

8. INSTALLATION RESTRICTIONS

[...]

8.7 **Air Duct Installation.** ~~Air duct systems of air conditioners, heat pumps, or dehumidifiers classified as a high-probability system and air conditioning equipment for human comfort~~ using mechanical refrigeration *shall* be installed in accordance with *approved* safety standards, the requirements of the AHJ, and the requirements of Section 8.9.7.

[...]

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

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk “*” after the section number.

[...]

Section 7.6

This section is intended to address *high-probability systems listed to UL 484¹¹ or UL 60335-2-40⁵/CSA C22.2 No. 60335-2-40⁶, where refrigerant could leak from a system into an indoor space other than a machinery room. Appliances incorporating heat pumps, such as water heaters, pool heaters, or spa heaters may also be covered under the scope of this section, as would chillers installed indoors but not in a machinery room.*

Section 7.7

This section is intended to address *high-probability systems listed to UL 60335-2-89⁷/CSA C22.2 No. 60335-2-89⁸, where refrigerant could leak from a system into an indoor space other than a machinery room. Industrial refrigeration systems used in all occupancies other than industrial occupancies would also be covered by this section.*

Section 7.8

This section is intended to address *high-probability systems listed to UL 60335-2-89⁷/CSA C22.2 No. 60335-2-89⁸, where refrigerant could leak from a system into an indoor space other than a machinery room. Industrial refrigeration systems used in all occupancies other than industrial occupancies would also be covered by this section.*

[...]

BSR/UL 1323, Standard for Safety for Scaffold Hoists

1. Statement for Safety

PROPOSAL

PERFORMANCE

Note: The test methods specified herein may require the use of equipment that could be hazardous. When conducting performance testing, appropriate safety measures should be taken into consideration such as personal protective equipment, lockout/tagout, etc., based on the risk to the person(s) and testing environment during setup and while performing the tests. It is the responsibility of the user of this Standard to establish appropriate health and safety practices in conjunction with any applicable regulatory requirements prior to its use.

ALL HOISTS

40 Normal-Operation Test

2. Strain Relief Test for Cord Connected Products Only

PROPOSAL

53 Strain-Relief Test - Cord Connected Product

53.1 The strain-relief means of a power-supply cord shall not permit the cord to move in a way that indicates stress would have been transmitted to the cord connections when a 75-pound (34-kg) weight is suspended from the hoist by the cord and the strain-relief means is stressed from any angle permitted by the construction of the hoist.

53.2 A power-supply cord shall withstand for 1 minute 50 ounce-inches (0.35 N·m) of torque applied 1 inch (25.4 mm) from the strain-relief means without damage to the cord and without transmitting the torque to the terminations.

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BSR/UL 1994, Standard for Safety for Luminous Egress Path Marking Systems

1. Markings locations

PROPOSAL

41.1.2 A product marking that is required to be permanent shall be molded, die-stamped, paint-stenciled, stamped, or etched metal that is permanently secured, or on pressure-sensitive labels that comply with the applicable provisions of the Standard for Marking and Labeling Systems, UL 969.

41.1.3 Each system component shall be marked as specified in (a) – (d). The marking shall be visible during installation. For system components designed for adhesive securement and with a removable backing, a marking on the removeable backing or on the smallest unit package is considered visible during installation.

- a) The manufacturer's or private labeler's name or identifying symbol.
- b) A distinctive type, model, or material designation.
- c) The electrical rating (for externally powered systems), in volts, amps, and Hz.
- d) The phrase "Egress Path Marker" in minimum 1/4-inch (6.3-mm) high letters.

2. Use of website and QR code markings for instructions

PROPOSAL

44.3 Instructions are to accompany each unit and accessory, either individually or with each bulk shipment to the installer. If the instructions for the unit do not cover a field installed accessory, instructions are to be furnished with the accessory. The instructions are permitted to be separately provided on a publicly accessible web site if the equipment is permanently marked with a QR code or "See (specific website address inserted here) for installation, operation, and maintenance instructions." As an alternative to a product marking, the QR code or website address can be provided on a stuffer sheet packaged with the equipment.

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