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American National Standards

Call for comment on proposals listed

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. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: June 28, 2020

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

1791 Tullie Circle NE, Atlanta, GA 30329 ph: (678) 539-2114 www.ashrae.org

Addenda

BSR/ASHRAE Addendum i to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019)

This addendum modifies ASHRAE Standard 15 by making necessary changes to defer regulation of ammonia refrigeration to ANSI/IIAR 2 (see Section 2.3). Addenda d and h to ASHRAE Standard 15-2016 inadvertently added references to ammonia, after Addendum a to ASHRAE Standard 15-2016 had already been published to remove ammonia refrigeration from ASHRAE Standard 15. Further, in editing the 2019 edition, some of the modifications of Addendum a to ASHRAE Standard 15-2016 were missed. This addendum removes the added and erroneous references to ammonia.

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

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

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

1791 Tullie Circle NE, Atlanta, GA 30329 ph: (678) 539-2114 www.ashrae.org

Addenda

BSR/ASHRAE Addendum i to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This addendum removes the requirement for refrigerant applications to include MSDS.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 ph: (734) 418-6660 www.nsf.org

Revision

BSR/NSF 14-202x (i110r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2019)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 ph: (734) 827-3817 www.nsf.org

Revision

BSR/NSF 49-202x (i155r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

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

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

Comment Deadline: June 28, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 ph: (919) 549-1391 <https://ul.org/>

Revision

BSR/UL 141-202x, Standard for Safety for Garment Finishing Appliances (revision of ANSI/UL 141-2011 (R2016))

This proposal for UL 141 covers: (1) Proposed revision to replace the references to the Standard for Power Conversion Equipment, UL 508C, with reference to the Standard for Adjustable Speed Electric Power Drive Systems, UL 61800-5-1.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 ph: (919) 549-1391 <https://ul.org/>

Revision

BSR/UL 399-202x, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2017)

This proposal for UL 399 covers: (1) Proposed revision to replace the references to the Standard for Power Conversion Equipment, UL 508C, with reference to the Standard for Adjustable Speed Electric Power Drive Systems, UL 61800-5-1.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-0954 <https://ul.org/>

Revision

BSR/UL 900-202x, Standard for Safety for Air Filter Units (revision of ANSI/UL 900-2012)

This proposal for UL 900 covers: Modification of UL 900 for dense adsorbent media cartridges.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1479 <https://ul.org/>

Revision

BSR/UL 1004-1-202x, Standard for Safety for Rotating Electrical Machines - General Requirements (revision of ANSI/UL 1004-1-2018)

The following is proposed: Replace reference to UL 508C with UL 61800-5-1.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 ph: (919) 549-1391 <https://ul.org/>

Revision

BSR/UL 1647-202x, Standard for Safety for Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2014)

This proposal for UL 1647 covers: (1) Proposed revision to replace the references to the Standard for Power Conversion Equipment, UL 508C, with reference to the Standard for Adjustable Speed Electric Power Drive Systems, UL 61800-5-1.

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

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

Comment Deadline: June 28, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 ph: (919) 549-1391 <https://ul.org/>

Revision

BSR/UL 4200a-202x, Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies (revision of ANSI/UL 4200A-2020)

This proposal for UL 4200a covers: (1) Additional option for battery cover removal torque level.

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

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-1725 <https://ul.org/>

Revision

BSR/UL 6141-202x, Standard for Safety for Wind Turbines Permitting Entry of Personnel (revision of ANSI/UL 6141-2016)

This proposal for UL 6141 covers: (1) Removal of references to the Standard for Power Conversion Equipment, UL 508C, and Replacement with Reference to the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal, and Energy, UL 61800-5-1; (2) Particular requirements for medium voltage wind turbine converters.

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

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

Comment Deadline: July 13, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 ph: (719) 453-1036 www.aafs.org

New Standard

BSR/AAFS ASB BPR 052-202x, Best Practice Recommendation for the Detection of Footwear and Tire Impression Evidence (new standard)

This document provides best practice recommendations for personnel responsible for detecting footwear and tire impressions. These recommendations optimize the detection of impressions. The methods included in this document may not cover all aspects of unusual or uncommon conditions. This document is not intended as a substitute for training in the detecting of footwear and tire impression evidence. Completion of a training program and experience in these skills is essential to understanding and applying the recommendations outlined in this document.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>

Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

Comment Deadline: July 13, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 ph: (719) 453-1036 www.aafs.org

New Standard

BSR/ASB BPR 094-202x, Postmortem Fingerprint Recovery: Guidance and Best Practices for Disaster Victim Identification (new standard)

This document provides guidance on, and highlights challenges associated with, obtaining postmortem prints from decedents and/or human remains in morgue operations associated with mass fatality disaster incidents.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//>

Order from: Document will be provided electronically on AAFS Standards Board website <http://www.asbstandardsboard.org/> free of charge.

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

Reaffirmation

BSR/AAMI EC12-2000 (R202x), Disposable ECG electrodes (reaffirmation of ANSI/AAMI EC12-2000)

Establishes minimum labeling, safety, and performance requirements for disposable electrodes used for diagnostic electrocardiography (ECG) or ECG monitoring.

Single copy price: \$75.00 (AAMI Members)/\$131.00 (List)

Obtain an electronic copy from: <https://my.aami.org/store/detail.aspx?id=EC12>

Send comments (with optional copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

Reaffirmation

BSR/AAMI EC53-2013 (R202x), ECG trunk cables and patient leadwires (reaffirmation of ANSI/AAMI EC53-2013)

The objective of this standard is to allow ECG trunk cables and patient leadwires to be interchanged between ECG devices with isolated patient connections by establishing a common interface between the trunk wire cable and the patient leadwire connectors. Performance and safety criteria for trunk cables and patient leadwires used with isolated patient connectors are also specified. This standard's original scope related to trunk cables and patient leadwires used with cardiac monitors. The scope was extended to include patient leadwires used with other ECG devices including diagnostic electrocardiographs, ambulatory ECG (Holter) recorders/event recorders, and ECG telemetry.

Single copy price: \$74.00 (AAMI Members)/\$131.00 (List)

Obtain an electronic copy from: <https://my.aami.org/store/detail.aspx?id=EC53-PDF>

Send comments (with optional copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

Reaffirmation

BSR/AAMI EC57-2012 (R202x), Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (reaffirmation of ANSI/AAMI EC57-2012)

This standard established a method for testing and reporting the performance of algorithms used to detect cardiac rhythm disturbances, including the ST segment.

Single copy price: \$114.00 (AAMI Members)/\$200.00 (List)

Obtain an electronic copy from: <https://my.aami.org/store/detail.aspx?id=EC57-PDF>

Send comments (with optional copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

Comment Deadline: July 13, 2020

ABMA (ASC B3) (American Bearing Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 ph: (703) 838-0053 www.americanbearings.org

Reaffirmation

BSR/ABMA 11-2014 (R202x), Load Ratings and Fatigue Life for Ball Bearings (reaffirmation of ANSI/ABMA 11-2014)

Specifies the method of calculating the basic dynamic load rating of rolling bearings within the size ranges shown in the relevant standards, manufactured from contemporary, commonly used, good-quality hardened steel.

Single copy price: \$55.00

Obtain an electronic copy from: aboutaleb@americanbearings.org

Order from: Amir Aboutaleb, (703) 838-0053, aboutaleb@americanbearings.org

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

ABMA (ASC B3) (American Bearing Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 ph: (703) 838-0053 www.americanbearings.org

Reaffirmation

BSR/ABMA 19.2-2013 (R202x), Tapered Roller Bearings, Radial Inch Design (reaffirmation of ANSI/ABMA 19.2-2013)

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

Single copy price: \$38.00

Obtain an electronic copy from: aboutaleb@americanbearings.org

Order from: Amir Aboutaleb, (703) 838-0053, aboutaleb@americanbearings.org

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

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Reaffirmation

BSR/ANS 6.3.1-1987 (R202x), Program for Testing Radiation Shields in Light Water Reactors (LWR) (reaffirmation of ANSI/ANS 6.3.1-1987 (R2015))

This standard describes a test program to be used in evaluating biological radiation shielding in nuclear reactor facilities under normal operating conditions including anticipated operational occurrences. The program encompasses examining and testing to be performed before startup, during startup, and testing subsequent to the startup phase. Post startup tests are required for the shielded components which do not contain sufficient radioactivity during the startup phase to allow valid testing. Shielding of these components is to be tested when radiation sources develop or are introduced into sufficient strength to allow meaningful measurements. Post startup shield tests are also required whenever radioactive or potentially radioactive equipment which could affect the adequacy of the installed shielding is introduced into the plant or relocated within the plant, or when previously tested shielding has been modified. One special category of post start-up testing is the testing of shielding during refueling operations.

Single copy price: \$86.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (with optional copy to psa@ansi.org) to: pschroeder@ans.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

Reaffirmation

BSR/API RP 13M-4/ISO 13503-4-2006 (R202x), API Recommended Practice for Measuring Stimulation and Gravel-Pack Fluid Leakoff under Static Conditions, 1st Edition (reaffirmation of ANSI/API RP 13M/ISO 13503-4-2006)

Provides for consistent methodology to measure fluid loss of stimulation and gravel-pack fluid under static conditions. However, the procedure in this Recommended Practice excludes fluids that react with porous media.

Single copy price: \$57.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1320585>

Send comments (with optional copy to psa@ansi.org) to: rouechej@api.org

Comment Deadline: July 13, 2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

Reaffirmation

BSR/API RP 131/ISO 10416-2008 (R202x), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation of ANSI/API RP 131/ISO 10416-2008)

This International Standard provides procedures for the laboratory testing of both drilling fluid materials and drilling fluid physical, chemical, and performance properties. It is applicable to both water-based and oil-based drilling fluids, as well as the base or "make-up" fluid. It is not applicable as a detailed manual on drilling fluid control procedures. Recommendations regarding agitation and testing temperature are presented because the agitation history and temperature have a profound effect on drilling fluid properties.

Single copy price: \$186.00

Obtain an electronic copy from: rouechej@api.org

Send comments (with optional copy to psa@ansi.org) to: rouechej@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

Reaffirmation

BSR/API RP 19D/ISO 13503-5-2007 (R202x), Measuring the Long-Term Conductivity of Proppants, 1st Edition (reaffirmation of ANSI/API RP 19D/ISO 13503-5-2007)

Provides standard testing procedures for evaluating proppants used in hydraulic fracturing and gravel-packing operations.

Single copy price: \$100.00

Obtain an electronic copy from: rouechej@api.org

Send comments (with optional copy to psa@ansi.org) to: rouechej@api.org

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 ph: (516) 576-2341 www.acousticalsociety.org

New Standard

BSR/ASA S12.61-202x, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (new standard)

Information on the acoustical noise emitted by machinery, equipment, and products is needed by consumers, manufacturers, building, and land-use planners, governmental authorities, and others concerned about noise in order to make informed purchasing decisions. For this purpose, this standard specifies the noise emission values to be declared for a batch of machines, equipment, or products and the requirements for their presentation; the method for determining the mean A-weighted sound power level; the method for optionally determining the total standard deviation; the method for optionally determining the mean A-weighted emission sound pressure level; and the method for verifying the noise emission values that are declared by manufacturers and other product suppliers.

Single copy price: \$139.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (516) 576-2341, standards@acousticalsociety.org

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

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

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Revision

BSR/ASHRAE Standard 41.11-202xR, Standard Methods for Power Measurement (revision of ANSI/ASHRAE Standard 41.11-2014)

This revision of ANSI/ASHRAE Standard 41.11-2014 prescribes methods for power measurements.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

Comment Deadline: July 13, 2020

ASQ (American Society for Quality)

600 N Plankinton Ave, Milwaukee, WI 53203 ph: (414) 272-8575 www.asq.org

New Standard

BSR/ASQ E5-202x, Quality Program Guidelines for Nonnuclear Power Generation Facilities (new standard)

This standard will provide principles and practices that address the definition, attainment, verification, and validation of the quality of a non-nuclear power facility's design, construction, operations, and maintenance. It will address a facility's initial and modification structural and equipment design - equipment ranging from components to complete systems; construction, and manufacture, assembly and installation of equipment; operations and maintenance; public and employee safety and health; emergency preparedness and response; environmental protection; and Security.

Single copy price: \$109.00

Obtain an electronic copy from: standards@asq.org

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

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 ph: (847) 699-2929 www.assp.org

Revision

BSR/ASSP Z359.14-202x, Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems (revision and redesignation of ANSI/ASSE Z359.14-2014)

This standard establishes requirements for the performance, design, qualification testing, markings and instructions, inspections, maintenance and storage, and removal from service of self-retracting devices (SRDs) including self-retracting lanyards (SRLs), self-retracting lanyards with integral rescue capability (SRL-Rs), and self-retracting lanyards, personal (SRL-P's). This standard establishes requirements for SRDs intended for use in personal fall arrest or rescue systems for authorized persons within the capacity range of 130 to 310 pounds (59 to 141kg).

Single copy price: \$110.00

Obtain an electronic copy from: omunteanu@assp.org

Send comments (with optional copy to psa@ansi.org) to: omunteanu@assp.org

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Doral, FL 33166 ph: (305) 443-9353 www.aws.org

Revision

BSR/AWS D1.4/D1.4M-202x-AMD1, Structural Welding Code - Steel Reinforcing Bars (revision and redesignation of ANSI/AWS D1.4/D1.4M-2018)

This code covers the requirements for welding steel reinforcing bars in most reinforced concrete applications. It contains a body of rules for the regulations of welding steel reinforcing bars and provides suitable acceptance criteria for such welds.

Single copy price: \$62.00

Obtain an electronic copy from: sborrero@aws.org

Order from: Stephen Borrero, (305) 443-9353, sborrero@aws.org

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

ESTA (Entertainment Services and Technology Association)

630 Ninth Avenue, Suite 609, New York, NY 10036-3748 ph: (212) 244-1505 www.esta.org

Revision

BSR E1.54-202x, ESTA Standard for Color Communication in Entertainment Lighting (revision of ANSI E1.54-2015)

The draft standard is a revision of the existing ANSI E1.54. It specifies a standardized way of specifying color to facilitate the communications between lighting controllers and color-changing luminaires. The method is generic and is neither manufacturer-specific nor color-technology-specific. The revisions are needed to make the standard more useful and to update the document's name to match that of our trade association

Single copy price: Free

Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, standards@esta.org

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

Comment Deadline: July 13, 2020

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 ph: (708) 995-3017 www.asse-plumbing.org

Revision

BSR/ASSE 1061-202x, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2015)

The purpose of this standard is to establish minimum performance requirements for push-fit fittings and push-fit connections that are integrated into plumbing devices (referred to in this standard as the “fitting”). The fittings described in this standard are intended for use in hot and cold potable water distribution and hydronic heating systems in residential and commercial applications.

Single copy price: Free

Obtain an electronic copy from: chris@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: chris@asse-plumbing.org

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 ph: (708) 995-3017 www.asse-plumbing.org

Revision

BSR/ASSE 1070/ASME A112.1070/CSA B125.70-202x, Performance requirements for water temperature limiting devices (revision and redesignation of ANSI/ASSE 1070-2015/ASME A112.1070-2015/CSA B125.70-15)

This standard covers water-temperature-limiting devices intended to limit the hot or tempered water temperature supplied to fittings for fixtures such as sinks, bidets, lavatories, and bathtubs to reduce the risk of scalding. These devices are not designed to address thermal shock.

Single copy price: \$110.00

Obtain an electronic copy from: chris@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: chris@asse-plumbing.org

NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 ph: (703) 841-3234 www.nema.org

New Standard

BSR C136.52-202x, Standard for Roadway and Area Lighting Equipment - LED Drivers with Integral Revenue Grade Energy Measurement Means (new standard)

This standard describes methods and requirements for the measurement of energy consumption and the reporting of the consumption for outdoor lighting applications in a standard data format to meet revenue grade requirements using drivers or ballasts with built-in energy measurement and reporting features. This standard does not address the communication of the data captured from the point of measurement. This standard also only addresses power consumed, it does not address two-way metering.

Single copy price: \$45.00

Obtain an electronic copy from: David.Richmond@nema.org

Order from: David Richmond, (703) 841-3234, David.Richmond@nema.org

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

Comment Deadline: July 13, 2020

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 ph: (703) 841-3231 www.nema.org

Reaffirmation

BSR C37.54-2003 (R202x), Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (reaffirmation of ANSI C37.54-2003 (R2010))

When conformance tests are required, this standard specifies tests to demonstrate that the circuit breaker being tested conforms with the requirements and ratings defined in accordance with ANSI/IEEE C37.04. The preferred ratings listed are designated values but are not to be considered restrictive; however, the requirements given are restrictive. Conformance testing may be performed in conjunction with the basic design testing, if agreeable to those concerned; however, conformance testing is more likely to be performed to satisfy a special need, sometime after original development. As a requirement of conformance testing, the circuit breaker shall have completed the design testing requirements of ANSI/IEEE C37.09. If ANSI/IEEE C37.09 tests have not been previously performed, the tests required by ANSI/IEEE C37.09 beyond tests described by this standard may be performed concurrently with conformance testing.

Single copy price: Free

Obtain an electronic copy from: gerard.winstanley@nema.org

Order from: Gerard Winstanley, (703) 841-3231, Gerard.Winstanley@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Reaffirmation

BSR C78.374-2015 (R202x), Electric Lamps - Light Emitting Diode Specification Sheet for General Illumination Applications (reaffirmation of ANSI C78.374-2015)

The purpose of this standard is to specify the standardized white light emitting diode (LED) package specification sheet, or data reporting format, as the means of communication between LED package producers and users in general illumination applications.

Single copy price: \$91.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Reaffirmation

BSR C78.376-2014 (R202x), Electric Lamps - Specifications for the Chromaticity of Fluorescent Lamps (reaffirmation of ANSI C78.376-2014)

This standard covers the objectives and tolerances for the chromaticity of T8, T10, and T12 fluorescent lamps with a nominal loading of from 5 to 10 watts per foot at their normal 100-hour rating point.

Single copy price: \$84.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

Comment Deadline: July 13, 2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.LL3-2003 (S202x), Electric Lamps - Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015))

Procedures for preparation of high-intensity discharge (HID) lamps for the Toxicity Characteristic Leaching Procedure (TCLP) are presented below. These procedures are intended to supplement the TCLP by supplying specific instructions for size reduction and for other critical procedures specific to the testing of HID lamps. This standard specifically covers high-intensity discharge lamp types.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.379-2006 (S202x), Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015))

This standard describes a system for classification of beam patterns and beam angles of reflector lamps. Also a method of describing light output is defined.

Single copy price: \$55.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.390-2006 (S202x), Electric Lamps - Method of Designation for Electric Lamps - Miniature and Sealed-Beam Incandescent Lamps (stabilized maintenance of ANSI C78.390-2006 (R2015))

This standard describes a system for the designation of miniature and sealed-beam lamps. A form is provided for the use of lamp manufacturers to request a designation assignment, alternative, or change.

Single copy price: \$115.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.LL1256-2003 (S202x), Electric Lamps - Procedures for Fluorescent Lamp - Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL1256-2003 (R2015))

Procedures for preparation of fluorescent lamps for Toxicity Characteristic Leaching Procedure (TCLP) are presented. These guidelines are intended to supplement the TCLP by supplying specific instructions for size reduction of lamps including integral electronic compact, pin-based compact, linear and U-shaped fluorescent lamps. This standard specifically covers integral electronic compact, pin-based compact, linear and U-shaped fluorescent lamp types.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

Comment Deadline: July 13, 2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.1406-2004 (S202x), Electric Lamps Electric Lamps - P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015))

This standard establishes the dimensions essential to interchangeability of single-contact medium prefocus based projection lamps of T-10 and T-12 bulb sizes. It is not the intent to prescribe operating characteristics or details of design.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.1407-2004 (S202x), Electric Lamps - Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015))

This standard specifies the dimensions essential to the interchangeability of condenser-reflector lamps having four-pin prefocused bases, T12 or T14 bulbs, and used in 8mm motion-picture projectors. It is not the intent of this standard to prescribe operating characteristics or details of design.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.1408-2004 (S202x), Electric Lamps - CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015))

This standard provides information on the description, ratings, restrictions, physical characteristics, dimensions, life, illumination, seal temperature, and operating temperature of a lamp that has been Lamp Code Designated as a CBA projection lamp.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.1452-2004 (S202x), Electric Lamps - Projection Lamps - Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015))

This standard provides definitions for a wide range of terms used in the design, manufacturing, and application of photographic lamps. It serves as a common reference for all ANSI lamp standards in the C78.1400 series, thus reducing the number of terms that need to be defined in individual standards. With strong input from the consumer or user side, this standard covers many terms in use by the laity.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

Comment Deadline: July 13, 2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

Stabilized Maintenance

BSR C78.1460-2004 (S202x), Electric Lamps - Single-Ended Tungsten-Halogen Lamps - GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015))

This standard defines the dimensional, physical, and other characteristics to assist in the proper application of tungsten-halogen lamps with GZ9.5 bases, T6 (T19) bulbs at 36.5 mm LCL and 76.2 mm maximum overall length with internal proximity reflectors. Lamps of various wattage and voltage designs are included. The grouping of lamps in this standard is based on general physical characteristics. It does not imply that the lamps listed are interchangeable with each other in a particular application. Lamps included in this standard are intended for photographic projection applications.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 ph: (703) 841-3262 www.nema.org

New Standard

BSR C82.15-202X, LED Drivers Robustness (new standard)

This standard describes testing methods used to evaluate LED drivers' robustness (ability to withstand specific stress described) and defines a minimum level of robustness. It includes LED drivers that operate from supply sources up to 600V and 60 Hz or DC applications.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 ph: (734) 827-3817 www.nsf.org

Revision

BSR/NSF 49-202x (i130Ar1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/54387/49i130Ar1%20-%20Work%20Area%20Definition,%20part%20%20-%20JC%20Memo%20&%20Ballot.pdf

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

Comment Deadline: July 13, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 <https://ul.org/>

Reaffirmation

BSR/UL 60079-31-2015 (R202x), Standard for Safety for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure "t" (reaffirm a national adoption ANSI/UL 60079-31-2015)

This proposal for UL 60079-31 covers a Reaffirmation and continuance of the second edition of the Standard for Safety for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure "t", UL 60079-31, as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 ph: (510) 319-4269 <https://ul.org/>

Revision

BSR/UL 268A-202x, Standard for Safety for Smoke Detectors for Duct Application (revision of ANSI/UL 268A-2016)

This proposal aligns wiring and grounding related requirements, including instructions, in UL 268A, Smoke Detectors for Duct Application, with newer requirements that are currently specified in UL 268, Smoke Detectors for Fire Alarm Systems, and UL 217, Smoke Alarms.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2850 <https://ul.org/>

Revision

BSR/UL 347-202x, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2016)

Recirculation of the following: The proposed new seventh edition of the Standard for Medium-Voltage AC Contactors, Controllers, and Control Centers, UL 347.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

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

Comment Deadline: July 28, 2020

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

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

New Standard

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASHRAE Standard 205-202x, Standard Representation of Performance Simulation Data for HVAC&R and Other Facility Equipment (new standard)

The purpose of ASHRAE Standard 205-202x is to facilitate automated sharing of equipment performance characteristics by defining data models and data serialization formats.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 ph: (516) 576-2341 www.acousticalsociety.org

Reaffirmation

ASA S12.13 TR 2002 (2020), ASA Technical Report Evaluating the Effectiveness of Hearing Conservation Programs through Audiometric Data Base Analysis (reaffirm technical report)

This ASA Technical Report describes methods for evaluating the effectiveness of hearing conservation programs in preventing occupational noise-induced hearing loss by using techniques for audiometric data base analysis. The rationale is given for using the variability of threshold measurements in annual monitoring audiograms as the basis for judging effectiveness. Guidelines are discussed concerning how to select a restricted data base to which the analysis procedures will be applied. Specific procedures for data analysis are defined, and criterion ranges are given for classifying program effectiveness as acceptable, marginal, or unacceptable.

Single copy price: \$121.00

Order from: standards@acousticalsociety.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:

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

BSR/API RP 13B-2, 5th Ed./ISO 10414-2-202x, Recommended Practice for Field Testing Oil-Based Drilling Fluids (identical national adoption of ISO 10414-2)

Inquiries may be directed to Jacqueline Roueche, (202) 682-8286, RouecheJ@api.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:

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

BSR/API Specification 10F-202x, Cementing Float Equipment (revision of ANSI/API RP 10F/ISO 10427-3-2010 (R2015))

Inquiries may be directed to Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

ANSI/API RP 10F/ISO 10427-3-2010 (R2015), Recommended Practice for Performance Testing of Cementing Float Equipment

Questions may be directed to: Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

ANSI/API Spec 10A, 24th Edition/ISO 10426-1-2010 (R2015), Specification for Cements and Materials for Well Cementing

Questions may be directed to: Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

ANSI/API Spec 13A/ISO 13500, 18th Ed-2010, Specification for Drilling Fluid Materials

Questions may be directed to: Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS)

Comment Deadline: July 13, 2020

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 ph: (703) 293-4887 www.ahrinet.org

ANSI/AHRI Standard 1350 (I-P)-2014, Mechanical Performance Rating of Central Station Air-handling Unit Casings

This standard applies to Central Station Air-handling Units (CSAHU). The changes apply to Section 6, and Appendix C.

Single copy price: Free

Obtain an electronic copy from: ANSIstd@ahrinet.org

Order from: ANSIstd@ahrinet.org

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

ANSI/AHRI Standard 1351 (SI)-2015, Mechanical Performance Rating of Central Station Air-handling Unit Casings

This standard applies to Central Station Air-handling Units (CSAHU). The changes apply to Section 6, and Appendix C.

Single copy price: Free

Obtain an electronic copy from: ANSIstd@ahrinet.org

Order from: ANSIstd@ahrinet.org

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

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer
901 N. Glebe Road, Suite 300
Arlington, VA 22203
p: (703) 253-8274
e: jmoyer@aami.org

BSR/AAMI EC12-2000 (R202x), Disposable ECG electrodes (reaffirmation of ANSI/AAMI EC12-2000)

BSR/AAMI EC53-2013 (R202x), ECG trunk cables and patient leadwires (reaffirmation of ANSI/AAMI EC53-2013)

BSR/AAMI EC57-2012 (R202x), Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (reaffirmation of ANSI/AAMI EC57-2012)

BSR/AAMI/IEC 60601-2-20-202x, Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (identical national adoption of IEC 60601-2-20 (in development) and revision of ANSI/AAMI/IEC 60601-2-20-2009 (R2014))

BSR/AAMI/ISO 81060-2-202x/Amd 1, Non-invasive sphygmomanometers - Clinical investigation of intermittent automated measurement type - Amendment 1 (identical national adoption of ISO 81060-2:2018/Amd 1:2020)

Contact: Wil Vargas
901 N. Glebe Road, Suite 300
Arlington, VA 22203
p: (703) 647-2779
e: wvargas@aami.org

BSR/AAMI/ISO 20417-202x, Medical Devices - Information to be Provided by the Manufacturer (identical national adoption of ISO 20417)

ABMA (ASC B3) (American Bearing Manufacturers Association)

Contact: Amir Aboutaleb
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
p: (703) 838-0053
e: aboutaleb@americanbearings.org

BSR/ABMA 11-2014 (R202x), Load Ratings and Fatigue Life for Ball Bearings (reaffirmation of ANSI/ABMA 11-2014)

BSR/ABMA 19.2-2013 (R202x), Tapered Roller Bearings, Radial Inch Design (reaffirmation of ANSI/ABMA 19.2-2013)

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

Contact: Karl Best
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201-3001
p: (703) 293-4887
e: kbest@ahrinet.org

BSR/AHRI 1430 (I-P)-202x, Demand Response for Electric Water Heaters (new standard)

BSR/AHRI 1431 (SI)-202x, Demand Response for Electric Water Heaters (new standard)

API (American Petroleum Institute)

Contact: Jacqueline Roueche
200 Massachusetts Avenue NW
Washington, DC 20001
p: (202) 682-8286
e: RouecheJ@api.org

BSR/API RP 13M-4/ISO 13503-4-2006 (R202x), API Recommended Practice for Measuring Stimulation and Gravel-pack Fluid Leakoff Under Static Conditions, 1st Edition (reaffirmation of ANSI/API RP 13M/ISO 13503-4-2006)

BSR/API RP 13I/ISO 10416-2008 (R202x), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation of ANSI/API RP 13I/ISO 10416-2008)

Call for Members (ANS Consensus Bodies)

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

BSR/API RP 19D/ISO 13503-5-2007 (R202x), Measuring the Long-Term Conductivity of Proppants, 1st Edition (reaffirmation of ANSI/API RP 19D/ISO 13503-5-2007)

ASA (ASC S12) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
p: (516) 576-2341
e: standards@acousticalsociety.org

BSR/ASA S12.61-202x, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (new standard)

ASQ (American Society for Quality)

Contact: Julie Sharp
600 N Plankinton Ave
Milwaukee, WI 53203
p: (414) 272-8575
e: standards@asq.org

BSR/ASQ E5-202x, Quality Program Guidelines for Nonnuclear Power Generation Facilities (new standard)

FCI (Fluid Controls Institute)

Contact: Leslie Schraff
1300 Sumner Avenue
Cleveland, OH 44115
p: (216) 241-7333
e: fci@fluidcontrolsintitute.org

BSR/FCI 19-2-202x, Standard for Installation of Type 2 Secondary Pressure Drainers (new standard)

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy
120 Wall Street, Floor 17
New York, NY 10005
p: (917) 913-0027
e: pmcgillicuddy@ies.org

BSR/IES TM-LED Chroma Shift-202x, Approved Method: Projecting Long Term Chromaticity Coordinate Shift of LED Light Engines, Lamps and Luminaires. (new standard)

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

Contact: Mili Washington
4043 South Eastern Avenue
Las Vegas, NV 89119
p: (702) 430-9829
e: mwashingt@iicrcnet.org

BSR/IICRC S540-202x, Standard for Trauma and Crime Scene Cleanup (revision of ANSI/IICRC S540-2017)

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

Contact: Lynn Barra
700 K Street NW, Suite 600
Washington, DC 20001
p: (202) 737-8888
e: comments@standards.incits.org

INCITS/ISO/IEC 11770-4:2017/AM 1:2019 [202x], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC) (identical national adoption of ISO/IEC 11770-4:2017/AM 1:2019)

INCITS/ISO/IEC 18033-6:2019 [202x], IT Security techniques - Encryption algorithms - Part 6: Homomorphic encryption (identical national adoption of ISO/IEC 18033-6:2019)

Call for Members (ANS Consensus Bodies)

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

INCITS/ISO/IEC 19086-4:2019 [202x], Cloud computing - Service level agreement (SLA) framework - Part 4: Components of security and of protection of PII (identical national adoption of ISO/IEC 19086-4:2019)

INCITS/ISO/IEC 29192-6:2019 [202x], Information technology - Lightweight cryptography - Part 6: Message authentication codes (MACs) (identical national adoption of ISO/IEC 29192-6:2019)

INCITS/ISO/IEC 29192-7:2019 [202x], Information security - Lightweight cryptography - Part 7: Broadcast authentication protocols (identical national adoption of ISO/IEC 29192-7:2019)

INCITS/ISO/IEC 27019:2017 [202x], Information technology - Security techniques - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2017)

INCITS/ISO/IEC 27102:2019 [202x], Information security management - Guidelines for cyber-insurance (identical national adoption of ISO/IEC 27102:2019)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Contact: David Richmond
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
p: (703) 841-3234
e: davidbrichmond@gmail.com

BSR C136.52-202x, Standard for Roadway and Area Lighting Equipment - LED Drivers with Integral Revenue Grade Energy Measurement Means (new standard)

NEMA (National Electrical Manufacturers Association)

Contact: Michael Leibowitz
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
p: (703) 841-3264
e: mike.leibowitz@nema.org

BSR/NEMA MW 1000-202x, Magnet Wire (revision of ANSI/NEMA MW 1000-2018)

NSF (NSF International)

Contact: Allan Rose
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
p: (734) 827-3817
e: arose@nsf.org

BSR/NSF 49-202x (i155r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

Contact: Jason Snider
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
p: (734) 418-6660
e: jsnider@nsf.org

BSR/NSF 14-202x (i110r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2019)

Call for Members (ANS Consensus Bodies)

Correction

The following notice was mistakenly identified in the May 22, 2020 Standards Action under the wrong Developer organization. The correction is as follows:

American Academy of Forensic Sciences (AAFS)

Application Deadline: July 10, 2020

The Academy Standards Board (ASB) of the American Academy of Forensic Sciences (AAFS) is currently accepting applications for openings in the consensus bodies. In order to maintain a specific balance across interest categories, the ASB is soliciting members only in the interest categories listed. Visit the ASB website for detailed description of the Interest Categories <http://www.asbstandardsboard.org/documents-and-forms/>.

The application for membership can be downloaded <http://www.asbstandardsboard.org/aafs-standards-board-consensus-body-descriptions/>, please complete the application by July 10, 2020 and send it to asb@aafs.org.

Anthropology: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Bloodstain Pattern Analysis: General Interest, Jurisprudence and Criminal Justice, Organizations, Producers.

Disaster Victim Identification: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

DNA: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Dogs and Sensors: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Firearms and Toolmarks: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Footwear and Tire Tracks: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Forensic Document Examination: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organization, Producers.

Friction Ridge: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Medicolegal Death Investigation: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Toxicology: General Interest, Jurisprudence and Criminal Justice, Organization, Producers.

Wildlife: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

The Academy Standards Board (ASB) works closely with other SDOs, professional organizations, and committees to ensure that we do not duplicate work undertaken elsewhere to develop standards. We have invited liaisons of such groups to participate in each of the relevant Consensus Body meetings.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

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

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 3.11-2015 (R2020), Determining Meteorological Data for Nuclear Facilities (reaffirmation of ANSI/ANS 3.11-2015): 5/21/2020

API (American Petroleum Institute)

Reaffirmation

ANSI/API MPMS Ch. 17.10.1/ISO 10976-6, 1st Edition-2013 (R2019), Measurement of Cargoes on Board Marine Gas Carriers, Part 1: Liquefied Natural Gas (reaffirm a national adoption ANSI/API/MPMS Ch. 17.10.1/ISO 10976-6, 1st Edition-2013): 5/20/2020

Supplement

ANSI/API Specification 19G2-2020, Flow-control Devices for Side-Pocket Mandrels (supplement to): 5/20/2020

IES (Illuminating Engineering Society)

New Standard

ANSI/IES RP-4-2020, Recommended Practice: Lighting Library Spaces (new standard): 5/21/2020

ANSI/IES TM-15-2020, Approved Method: Luminaire Classification System for Outdoor Luminaires (new standard): 5/21/2020

LIA (ASC Z136) (Laser Institute of America)

New Standard

ANSI Z136.5-2020, Standard for Safe Use of Lasers in Educational Institutions (new standard): 5/19/2020

MHI (Material Handling Industry)

Revision

ANSI MH29.1-2020, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2012): 5/19/2020

UL (Underwriters Laboratories)

New National Adoption

ANSI/UL 80079-20-2-2020, Standard for Safety for Explosive Atmospheres - Part 20-2: Material Characteristics - Combustible Dusts Test Methods (national adoption with modifications of ISO/IEC 80079-20-2): 5/11/2020

New Standard

ANSI/UL 969A-2020, Standard for Safety for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products (new standard): 5/22/2020

ANSI/UL 2808-2020, Standard for Safety for Energy Monitoring Equipment (new standard): 5/22/2020

ANSI/UL 2999-2020, Standard for Safety for Individual Commercial Office Furnishings (new standard): 5/22/2020

Reaffirmation

ANSI/UL 363-2011 (R2020), Standard for Safety for Knife Switches (reaffirmation of ANSI/UL 363-2011 (R2015)): 5/20/2020

Revision

ANSI/UL 109-2020, Standard for Safety for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use (revision of ANSI/UL 109-2009 (R2018)): 4/30/2020

ANSI/UL 498-2020a, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2020): 5/22/2020

ANSI/UL 498A-2020, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2019): 5/22/2020

ANSI/UL 588-2020, Standard for Safety for Seasonal Holiday Decorative Products (revision of ANSI/UL 588-2018): 5/21/2020

ANSI/UL 746A-2020, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2019): 5/20/2020

ANSI/UL 827-2020, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2019): 5/20/2020

ANSI/UL 1059-2020, Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2019): 5/22/2020

ANSI/UL 1641-2020, Standard for Safety for Installation and Classification of Residential Burglary Alarm Systems (revision of ANSI/UL 1641-2015): 5/20/2020

ANSI/UL 2127-2020, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2019): 5/15/2020

ANSI/UL 2166-2020, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2019): 5/15/2020

ANSI/UL 2443-2020, Standard for Safety for Flexible Sprinkler Hose with Fittings for Fire Protection Service (revision of ANSI/UL 2443-2018): 5/20/2020

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org

New Standard

BSR/ASB BPR 142-202x, Best Practice Recommendations for the Resolution of Conflicts of Friction Ridge Examination (new standard)

Stakeholders: Forensic science practitioners; litigators.

Project Need: When a conflict with a suitability decision or source conclusion occurs, the conflict must be documented and examiners should have clear procedures to follow in order to ascertain whether the conflict can be resolved. The types of conflict, root causes of conflicts, or frequency of conflicts may illuminate the need for: supplemental training, additional mentoring, policy and procedure updates, or enhanced monitoring of case work. This document provides the Forensic Service Provider (FSP) management with processes to track the causes and frequency of conflicts between examiners.

This document provides the best practice recommendations for how to resolve conflicts between examiners at any point during the technical review or verification process of conflicting suitability decisions, conflicting source conclusions, and documentation of conflict resolution. This document does not address differences of opinion that occur at the consultation level or any organizational response once an error is discovered or the conflict(s) are resolved.

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org

New Standard

BSR/ASB Std 146-202x, Standard for Resolving Commingled Remains in Forensic Anthropology (new standard)

Stakeholders: Forensic anthropologists and the medicolegal community.

Project Need: Currently there are no standards that define the resolution of commingled remains. This document provides procedures for the resolution of commingled human remains in forensic anthropology casework. The resolution of cases of commingled remains is an important component of forensic anthropology casework. This document provides the procedures and requirements for resolving commingled remains. The techniques presented include size, age, and sex similarities; articulation between elements; taphonomic similarities; and reconstruction of fragmentary remains. The document also describes the determination of MNI (Minimum Number of Individuals), as well as the LI (Lincoln Index) and MLNI (Most Likely Number of Individuals) based on the number of paired and unpaired bones.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org

New National Adoption

BSR/AAMI/IEC 60601-2-20-202x, Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (identical national adoption of IEC 60601-2-20 (in development) and revision of ANSI/AAMI/IEC 60601-2-20-2009 (R2014))

Stakeholders: Industry, regulators, users.

Project Need: Establishes requirements to minimize hazards for patients and users. Also specifies compliance tests. This standard applies to the basic safety and essential performance of transport incubators. This standard does not apply to heating devices intended for physiotherapy, baby incubators, or radiant warmers.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org

New National Adoption

BSR/AAMI/ISO 81060-2-202x/Amd 1, Non-invasive sphygmomanometers - Clinical investigation of intermittent automated measurement type - Amendment 1 (identical national adoption of ISO 81060-2:2018/Amd 1:2020)

Stakeholders: Test labs, regulators, industry.

Project Need: Provides a needed definition and additional information pertaining it. Adds a new definition and updates the subclauses that are impacted by that new definition.

AGA (ASC B109) (American Gas Association)

Contact: Luis Escobar, (202) 824-7058, lescobar@aga.org
400 N. Capitol St., NW, Suite 450, Washington, DC 20001 www.aga.org

New Standard

BSR B109.5-202x, Self-Operated Diaphragm-Type Natural Gas Service Regulators for Nominal Pipe Size Up To 2 Inches (50.8 mm) (new standard)

Stakeholders: Natural gas local distribution companies, manufacturers of natural gas service regulators, field technicians, gas inspectors, government entities.

Project Need: ANSI B109.4 addresses only a subset of natural gas service regulators. This new standard will provide requirements for other regulators that are commonly found in the field.

This standard shall apply to the minimum design, material, performance, and testing requirements of natural gas service regulators up to 2 inches (50 mm) not covered in ANSI B109.4 and inlet pressures up to 125 psig (861.8 kPa). These regulators are used to control the gas delivery pressure (also referred to as set pressure or P2) to pressures at 20 psig or less (13.8 kPa). This standard shall apply only to regulators manufactured after the approval date of this standard.

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

Contact: Karl Best, (703) 293-4887, kbest@ahrinet.org

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

New Standard

BSR/AHRI 1430 (I-P)-202x, Demand Response for Electric Water Heaters (new standard)

Stakeholders: Groups and individuals such as manufacturers, trade organizations, technical societies, professional associations, associations representing users or owners of the equipment involved, appropriate government agencies or offices and consumer organizations or private.

Project Need: This standard is intended to provide guidelines and consistency for the installation and use of demand-response enabled water heaters.

This Standard applies to communication, infrastructure, and system functionality as they relate to the implementation of energy management strategies for DR-ready water heaters installed in residential and commercial applications.

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

Contact: Karl Best, (703) 293-4887, kbest@ahrinet.org

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

New Standard

BSR/AHRI 1431 (SI)-202x, Demand Response for Electric Water Heaters (new standard)

Stakeholders: Groups and individuals such as manufacturers, trade organizations, technical societies, professional associations, associations representing users or owners of the equipment involved, appropriate government agencies or offices and consumer organizations or private.

Project Need: This standard is intended to provide guidelines and consistency for the installation and use of demand-response enabled water heaters.

This Standard applies to communication, infrastructure, and system functionality as they relate to the implementation of energy management strategies for DR-ready water heaters installed in residential and commercial applications.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org
275 West Street, Suite 107, Annapolis, MD 21401 www.x9.org

New Standard

BSR X9.146-202X, Quantum-Safe TLS Handshake Extension (new standard)

Stakeholders: Those who who rely on the TLS protocol for authentication and data protection. This group may include auditors, software developers, SCD manufacturers, banks, cryptographic and other service providers, risk management professionals, security professionals, consultants, and compliance officers.

Project Need: The proposed standard will define how to use the new X.509 alternate signature extension during the handshake phase of the TLS protocol without altering the current TLS standard. The proposed TLS extension will be digital signature algorithm agnostic, allowing a user to authenticate during a TLS handshake with any algorithm and key size needed. At the user's discretion, the proposed TLS extension will allow either or both of a certificates two public keys to be considered in the handshake authentication phase of the TLS protocol.

The TLS protocol and X.509 certificates are widely used in the financial services for (i) optional client "mutual" authentication and (ii) key establishment, both needing certificate validation. The current and past versions of the TLS protocol expect to authenticate entities using certificates that contain a single digital signature. The most recent version of X.509, published in late 2019, allows certificates to contain two digital signatures, a native digital signature and an alternate digital signature. The TLS protocol is unaware of this new X.509 capability and unable to process an alternative signature. The two-signature certificate capability allows users to more easily migrate from one cryptographic signature algorithm to another. The alternative algorithm is one that is presumably stronger or that provides other benefits, such as competitive performance, reduced memory footprint, or lower cost to acquire. Using two-signature certificates within an already deployed system make it possible to change cryptographic algorithms when it may not be possible to migrate all entities simultaneously. Two-signature certificates make it possible for some entities to move to a different signature algorithm while others keep using the legacy algorithm. When quantum-safe algorithms are considered as alternatives, users can prepare for migration while continuing to rely on currently deployed digital signature algorithms. This allows users to manage security risk while delaying until an appropriate time to migrate.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org
275 West Street, Suite 107, Annapolis, MD 21401 www.x9.org

Reaffirmation

BSR X9.99-2009 (R202x), Privacy Impact Assessment (reaffirm a national adoption ANSI X9.99/ISO 22307-2009)

Stakeholders: Stakeholders include all X9 members and any non-X9 organizations offering services within the Financial Services industry.

Project Need: This work will address privacy areas not addressed by American National Standards for use within the USA and provide references to other American National Standards (e.g., X9.141) for privacy.

This International Standard recognizes that a privacy impact assessment (PIA) is an important financial services and banking management tool to be used within an organization, or by "contracted" third parties, to identify and mitigate privacy issues and risks associated with processing consumer data using automated, networked information systems. This International Standard describes the privacy impact assessment activity in general, defines the common and required components of a privacy impact assessment, regardless of business systems affecting financial institutions, and provides informative guidance to educate the reader on privacy impact assessments.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK72997-202x, New Practice for Pole Vault Use Areas (new standard)

Stakeholders: Pole Vault industry.

Project Need: This guide establishes the safety, performance, and maintenance requirements pertaining to indoor/outdoor, public, and private-use pole vault facilities and any elements included therein that are intended to be used in the performance of the sport including, but not limited to, athlete and equipment areas, height indicators, standard indicators, performance boards, coaches areas, and runway markings. Items such as standard uprights, pole vault boxes, landing systems, and similar operational structures are not addressed in detail in this guide.

This guide covers safety and performance guidelines pertaining to public and private pole-vault facilities and the immediate surrounding area. These guidelines pertain to any elements intended to be used in the performance of the sport including athlete and equipment areas, height indicator, standard indicator, performance board, coaches area, and runway markings.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73001-202x, New Test Method for Determining the Volumetric Moisture Content of Equine Surfaces (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: Harrowing, floating, or sealing the surface near the optimal volumetric moisture content as determined by bulk density testing helps prepare a hardpan layer or prepare the surface to facilitate horizontal drainage and prevent excess water from saturating the surface while reducing material loss from runoff. Equine surface maintenance personnel predominately use TDR or other similar measurements to determine the current operating volumetric moisture content and check for spatial and temporal consistency of the surface. This method will allow for direct comparison and validation of laboratory and in-situ data collected on the surface.

Moisture Content critically affects the shear strength of the surface and is primarily used for compaction of equine surface materials and/or establishing a hardpan or base layer composed of footing material used to support the horse during propulsion. This should not be confused with an asphalt- or limestone-based often found at the bottom of these footing materials as they are outside the scope of this test and local highway construction standards should be considered for these cases. This test is applicable to sand, sand-fiber, turf, and synthetic equine surfaces.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73002-202x, New Test Method for Determining the Bulk Density of Equine Surfaces (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: Harrowing, floating, or sealing the surface near the optimal volumetric moisture content helps prepare a hardpan layer or prepare the surface to facilitate horizontal drainage and prevent excess water from saturating the surface. This will aid equine surface maintenance personnel by determining the optimum volumetric operating moisture content required to achieve the maximum bulk density, provide a sufficient shear strength, and help prevent their surfaces from becoming too dry or saturated with water. Volumetric moisture content is considered because Time Domain Reflectometry (TDR) is widely used to verify real-time surface moisture content across the industry.

Bulk density of equine sports surfaces is used to determine the optimal volumetric moisture content for establishing a hardpan or base layer composed of footing material used to support the horse during propulsion. This should not be confused with an asphalt or limestone base often found at the bottom of these footing materials as they are outside the scope of this test, and local highway construction standards should be considered for these cases. This test is also used as a performance metric to make relative comparisons between surfaces or over time to determine if the material may absorb more or less energy based off the bulk density found for a given a specified energy input.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73003-202x, New Test Method for Removal of Wax-Oil Based Coatings and Binders Used in Equine Surfaces (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: Wax-oil based coatings and binders are used in synthetic equine surfaces to remain incorporated at a desired consistency. Soxhlet extraction of wax binder is an efficient method to determine the amount of wax binder present in a synthetic equine surface and prepares samples for further testing, including Particle Size Distribution (PSD), Fourier Transform Infrared Spectroscopy (FTIR), Differential Scanning Calorimetry (DSC), and Gas Chromatography (GC).

Equine surfaces containing wax-oil based coatings and or binders require the removal of these materials in order to perform subsequent composition and materials testing under the same conditions as sand and sand-fiber surfaces. Surfaces with no wax-oil based coatings and or binders are beyond the scope of this test method.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73004-202x, New Test Method for Fiber Removal and Fiber Characterization in Equine Surfaces (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: Fibers are routinely found in equine surfaces and are used to physically alter the behavior of the surface such as the slide, grip, shear strength, and moisture retention properties. Fully separating and characterizing these materials helps determine the nature of these materials, such as the hydrophobic or hydrophilic properties of the fiber. This will also allow equine surface venues to verify the material purchased and ensure the materials meet any required environmental and safety regulations.

Fiber in equine surfaces is often used to physically alter the behavior of the surface such as the slide, grip, and shear strength. Fully separating and characterizing these materials helps determine the nature of these materials, such as the hydrophobic or hydrophilic properties of the fiber. This also allows equine surface venues to verify the material purchased and ensure the materials meet any required environmental and safety regulations. This test may be applicable to any equine surface that contains fiber-like materials such as turf.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73005-202x, New Test Method for Determining the Total Organic Content by Mass of Equine Surfaces (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: Equine surfaces located in warm and arid climates often contain organic materials to improve water retention. These organic materials may also serve a secondary purpose by effecting the shear strength of the surface by natural means as opposed to synthetic fibers. For example, the addition of cotton fibers to a turf divot mix may temporarily provide a sufficient shear strength to the divot repair until the roots take hold as the cotton gradually degrades.

Organic materials such as woodchips and mulch are commonly used in equine surfaces in warmer and arid climates to improve water retention of the surface. Depending on the size and type of the organic, these organic amendments may also act as particles and effect the shear strength of the surface.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM WK73063-202x, New Guide for Maintenance of Marine Sanitation Devices (MSDs) and the Effects of Cleaning Agents on MSD Operations (new standard)

Stakeholders: Marine Environmental Protection industry.

Project Need: Disinfectants currently being used aboard ships and offshore structures have become sophisticated to the point where it is difficult for operators to distinguish their suitability for use with marine biological sewage treatment systems. One class of disinfectants is being increasingly used in cleaning compounds and it threatens the ability of certified marine sewage treatment systems to meet USCG, MARPOL, and VGP 2013 regulations in service. The Guide provides information and clarity to support the health and maintenance of Marine Sanitation Devices (MSDs) on maritime vessels and platforms to promote effective operations and performance throughout the lifecycle.

AWS (American Welding Society)

Contact: Mario Diaz, (305) 443-9353, mdiaz@aws.org
 8669 Doral Blvd, Suite 130, Doral, FL 33166 www.aws.org

Addenda

BSR/AWS J1.3/J1.3M-202x-AMD1, Specification for Materials Used in Resistance Welding Electrodes and Tooling (addenda to ANSI/AWS J1.3M/J1.3-2020)

Stakeholders: Resistance welding material producers, users, and distributors.

Project Need: This revision will address specific issues that have developed since the original document was issued. This is an Amendment to the first edition of J1.3/J1.3M:2020.

This standard specifies essential properties of materials used for resistance welding electrodes and related components, the common applications of these materials, and methods of conformance verification.

AWS (American Welding Society)

Contact: Mario Diaz, (305) 443-9353, mdiaz@aws.org
 8669 Doral Blvd, Suite 130, Doral, FL 33166 www.aws.org

Revision

BSR/AWS J1.3/J1.3M-202X, Specification for Materials Used in Resistance Welding Electrodes and Tooling (revision of ANSI/AWS J1.3M/J1.3-2020)

Stakeholders: Resistance welding material producers, users, and distributors.

Project Need: Establish current material property values (e.g., hardness, electrical conductivity, and dimensional tolerance) within an American National Standard for common resistance welding electrode materials. An additional rationale is to describe common applications of these materials. The standard will also provide cross-referencing to ISO 5182, Materials for Resistance Welding Electrodes and Ancillary Equipment.

This standard specifies essential properties of materials used for resistance welding electrodes and related components, the common applications of these materials, and methods of conformance verification.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

New National Adoption

BSR/AWS A5.32M/A5.32-202x (ISO 14175-2008 MOD), Welding Consumables - Gases and Gas Mixtures for Fusion Welding and Allied Processes (national adoption of ISO 14175:2008 with modifications and revision of ANSI/AWS A5.32/A5.32M:2011 (ISO 14175:2008))

Stakeholders: Welding industry.

Project Need: Upgrading to ASME requirement and renewing ANSI approval.

This standard prescribes the requirements for the classification of gases and gas mixtures used in fusion welding and allied processes. Classification is based on chemical composition of the more popular single and multi-component gases. Additional requirements are included for purity and moisture of individual gas components, testing, re-testing, packaging and cylinder or container labeling. An annex is appended to the standard as a source of information concerning the classification system and the intended use of the gases and gas mixtures. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

New Standard

BSR/AWS A5.13/A5.13M-202X, Specification for Surfacing Electrodes for Shielded Metal Arc Welding (new standard)

Stakeholders: Producers of surfacing electrodes, welding educators, welding consultants, fabricators, welding designers, welding inspectors, and professionals having general interest in SMAW.

Project Need: Updating this standard to bring it to the current AWS practices and renewing ANSI approval. This specification prescribes the requirements for classification of surfacing electrodes for shielded metal arc welding. Classification is based upon the chemical composition of the deposited weld metal except for tungsten carbide electrodes, where classification is based on the mesh range, quantity, and composition of the tungsten carbide granules. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the classified electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

Revision

BSR/AWS A5.11/A5.11M-202X, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielding Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2018)

Stakeholders: Nickel filler metal manufacturers, welding educators, welding designers, fabricators, consultants, and professionals with general interest in welding with nickel electrodes.

Project Need: Updating this standard based on current information.

This specification prescribes the composition, dimensions, soundness, and properties of weld metal for more than 40 classifications of nickel and nickel-alloy covered electrodes. Major topics include general requirements, testing, manufacturing, identification, and packaging. A guide to using the specification is included in Annex A. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

FCI (Fluid Controls Institute)

Contact: Leslie Schraff, (216) 241-7333, fci@fluidcontrolsinstitute.org
1300 Sumner Avenue, Cleveland, OH 44115 www.fluidcontrolsinstitute.org

New Standard

BSR/FCI 19-2-202x, Standard for Installation of Type 2 Secondary Pressure Drainers (new standard)

Stakeholders: Manufacturers, users, and specifiers of secondary pressure drainers.

Project Need: The standard was developed to provide manufacturers, users, and specifiers of the products with uniform methods and requirements for installation of secondary pressure drainers and to help define the information required for proper installation of Type 2 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer.

The purpose of this standard is to help define the information required for proper installation of Type 2 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer. With an understanding of this criteria, it can be applied to these types of systems to provide effective and efficient condensate drainage. This is a necessary function of steam-using equipment to maintain consistent heat transfer.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Contact: Christopher White, (708) 995-3017, chris@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

New Standard

BSR/ASSE 1099-202x, Pressurized Water Storage Tank (new standard)

Stakeholders: Plumbing industry, plumbers, inspectors, contractors.

Project Need: To create the requirements of certain applications to reflect practice and public need.

This standard prescribes minimum performance and construction requirements for pressurized storage tanks for service in water well systems with a maximum factory pre-charge pressure of 40 psig (280 kPa), or with exception as stated in Dot-issued allowance to be operated in ambient air temperatures up to 120°F (49°C), with maximum working pressures not less than 75 psig (520 kPa) and not greater than 150 psig (1000 kPa) and tank volumes not exceeding 120 gallons (450 L).

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Contact: Christopher White, (708) 995-3017, chris@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

Revision

BSR/ASSE 1052-202x, Performance Requirements for Hose Connection Backflow Preventers (revision of ANSI/ASSE 1052-2016)

Stakeholders: Plumbing industry, plumbers, inspectors, contractors.

Project Need: Revise the requirements of certain applications to reflect practice and public need.

This standard establishes design requirements, basic performance requirements, and test procedures for hose connection backflow preventers (referred to as the “device” in this standard). This device is designed to be installed on the discharge side of a hose-threaded outlet on a potable water system. This two-check device protects against backflow, due to backsiphonage or lowhead backpressure, and is field testable to certify protection under the high-hazard conditions present at a hose-threaded outlet. This device shall only be used on systems where there is low-head backpressure that does not exceed that generated by an elevated hose equal to or less than 10 feet (3.0 m) in height. This device shall not be subjected to more than 12 hours of continuous water pressure.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Contact: Christopher White, (708) 995-3017, chris@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

Revision

BSR/ASSE 1063-202x, Performance Requirements for Air Valve and Vent Inflow Preventer (revision of ANSI/ASSE 1063-2016)

Stakeholders: Plumbing industry, plumbers, inspectors, contractors.

Project Need: Revise the requirements of certain applications to reflect practice and public need.

The purpose of air valve and vent inflow preventer assemblies (referred to as the “assembly” in this standard) is to allow the release and admission of high volumes of air through air valves and air vents in potable water distribution systems, but prevent the entry of contaminated water when the air valve outlet becomes submerged from flooding or is the target of malicious tampering.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
120 Wall Street, Floor 17, New York, NY 10005 www.ies.org

New Standard

BSR/IES TM-LED Chroma Shift-202x, Approved Method: Projecting Long Term Chromaticity Coordinate Shift of LED Light Engines, Lamps and Luminaires. (new standard)

Stakeholders: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighting specifiers.

Project Need: This document provides the method for predicting chromaticity coordinate shift behavior for LED light engines, lamps, and luminaires.

This document applies to LED light engines, lamps, and luminaires that incorporate white LEDs that utilize phosphor conversion.

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

Contact: Mili Washington, (702) 430-9829, mwashington@iicrcnet.org
4043 South Eastern Avenue, Las Vegas, NV 89119 www.thecleantrust.org

Revision

BSR/IICRC S540-202x, Standard for Trauma and Crime Scene Cleanup (revision of ANSI/IICRC S540-2017)

Stakeholders: IICRC registrants, ABRA members, other involved or affected by crime or trauma scenes.
Project Need: The Standard was last published in 2017, and is due for revision as per ANSI and IICRC procedures. This Standard defines criteria and methodology used by the technician for inspecting and investigating blood and other potentially infectious material (OPIM) contamination and for establishing work plans and procedures. The Standard describes the procedures to be followed by professionals and the precautions to be taken when performing trauma and crime scene cleanup regardless of surface, item, or location. This standard assumes that all scenes have been released by law enforcement or regulatory agencies.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 11770-4:2017/AM 1:2019 [202x], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC) (identical national adoption of ISO/IEC 11770-4:2017/AM 1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Amendment 1 to ISO/IEC 11770-4:2017.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 18033-6:2019 [202x], IT Security techniques - Encryption algorithms - Part 6: Homomorphic encryption (identical national adoption of ISO/IEC 18033-6:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Specifies the following mechanisms for homomorphic encryption. Exponential ElGamal encryption; Paillier encryption. For each mechanism, this document specifies the process for: generating parameters and the keys of the involved entities; encrypting data; decrypting encrypted data; and homomorphically operating on encrypted data. Annex A defines the object identifiers assigned to the mechanisms specified in this document. Annex B provides numerical examples.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 19086-4:2019 [202x], Cloud computing - Service level agreement (SLA) framework - Part 4: Components of security and of protection of PII (identical national adoption of ISO/IEC 19086-4:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Specifies security and protection of personally identifiable information components, SLOs, and SQOs for cloud service level agreements (cloud SLA) including requirements and guidance. This document is for the benefit and use of both CSPs and CSCs.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-6:2019 [202x], Information technology - Lightweight cryptography - Part 6: Message authentication codes (MACs) (identical national adoption of ISO/IEC 29192-6:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Specifies MAC algorithms suitable for applications requiring lightweight cryptographic mechanisms. These mechanisms can be used as data integrity mechanisms to verify that data has not been altered in an unauthorized manner. They can also be used as message authentication mechanisms to provide assurance that a message has been originated by an entity in possession of the secret key. The following MAC algorithms are specified in this document: (a) LightMAC; (b) Tsudik's keymode; and (c) Chaskey-12.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-7:2019 [202x], Information security - Lightweight cryptography - Part 7: Broadcast authentication protocols (identical national adoption of ISO/IEC 29192-7:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Specifies broadcast authentication protocols, which are protocols that provide data integrity and entity authentication in a broadcast setting, i.e., a setting with one sender transmitting messages to many receivers. To provide entity authentication, there needs to be a pre-existing infrastructure which links the sender to a cryptographic secret. The establishment of such an infrastructure is beyond the scope of this document.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 27019:2017 [202x], Information technology - Security techniques - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Provides guidance based on ISO/IEC 27002:2013 applied to process control systems used by the energy utility industry for controlling and monitoring the production or generation, transmission, storage, and distribution of electric power, gas, oil, and heat, and for the control of associated supporting processes.

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

Contact: Lynn Barra, (202) 737-8888, comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New National Adoption

INCITS/ISO/IEC 27102:2019 [202x], Information security management - Guidelines for cyber-insurance (identical national adoption of ISO/IEC 27102:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Provides guidelines when considering purchasing cyber-insurance as a risk treatment option to manage the impact of a cyber-incident within the organization's information security risk management framework.

NEMA (ASC C82) (National Electrical Manufacturers Association)

Contact: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org
1300 N 17th St, Rosslyn, VA 22209 www.nema.org

New Standard

BSR C82.18-202X, Light Emitting Diode Drivers - Performance Characteristics (new standard)

Stakeholders: Producers, users, general interest.

Project Need: This project is needed to define the operational characteristics of Electronic LED drivers for LED devices, Arrays, or Systems, which are rated to operate with an open circuit voltage of 600V or less, from a 60 Hz, or d.c. electrical system. It will describe characteristics such as; Input and output voltage, current, power, and other electrical parameters, electrical ratings, temperature ratings, power quality (harmonics and power factor), inrush currents, and other.

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimnable), pulse-width modulation, or programmable (tunable) output power; and External (standalone) or internal (enclosed in luminaire).

NEMA (ASC C82) (National Electrical Manufacturers Association)

Contact: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org
 1300 N 17th St, Rosslyn, VA 22209 www.nema.org

Revision

BSR C82.16-202X, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2020)

Stakeholders: Producers, users, general interest.

Project Need: This project is needed to revise existing test methods and add additional test methods including, but not limited to,: 0-10V Dimming, Uncertainty Calculations, Standby Power, Inrush Current, LED Drivers providing external power supply, and PoE Drivers.

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimnable), pulse-width modulation, or programmable (tunable) output power; and External (standalone) or internal (enclosed in luminaire).

NEMA (ASC C82) (National Electrical Manufacturers Association)

Contact: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org
 1300 N 17th St, Rosslyn, VA 22209 www.nema.org

Revision

BSR C82.77-10-202X, Lighting Equipment - Harmonic Emission Limits Related Power - Quality Requirements (revision of ANSI C82.77-10-2020)

Stakeholders: Producers, users, general interest.

Project Need: This project is needed to revise existing power quality requirements, harmonics, and add additional test methods to harmonize with other global standards, where appropriate and possible. This revision would include multi-functional operation limits and retrofit limits to amend the window LED driver requirements, adding requirements for LiFi and PoE LED drivers, and to include limits in the range of 2 KHz to 9 KHz.

This standard specifies harmonic limits, their methods of measurement, and power factor (PF) for lighting equipment. This standard covers all types of lighting equipment that is used for general illumination (typically found in residential, commercial, and industrial applications) and which is connected to commonly distributed 60-Hz alternating current (AC) power line systems.

NEMA (National Electrical Manufacturers Association)

Contact: Michael Leibowitz, (703) 841-3264, mike.leibowitz@nema.org
 1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Revision

BSR/NEMA MW 1000-202x, Magnet Wire (revision of ANSI/NEMA MW 1000-2018)

Stakeholders: Magnet wire, motor, generator, transformer, and automotive manufacturers.

Project Need: To update the standard with new magnet wire specifications developed based on customer needs. This publication is designed to present in concise and convenient form all existing NEMA Standards for magnet wire. It contains Standards for round, rectangular, and square film-insulated and/or fibrous- covered copper and aluminum magnet wire for use in electrical apparatus. Included are the definitions, type designations, dimensions, constructions, performance, and test methods for magnet wire generally used in the winding of coils for electrical apparatus. Unless otherwise stated, a revision to a product specification in this Standards publication does not affect compliance of product manufactured during the time a previous version of that specification was in effect.

UL (Underwriters Laboratories)

Contact: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.org
47173 Benicia Street, Fremont, CA 94538 <https://ul.org/>

New Standard

BSR/UL 83B-202X, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard)

Stakeholders: Manufacturers, supply chain and users of type TBS switchboard and switchgear wires and cables.

Project Need: To provide national testing requirements for Type TBS Switchboard and Switchgear Wires and Cables.

Standard for Safety for Switchboard and Switchgear Wires and Cables will cover requirements for 14 - 4/0 AWG sizes of 600-V, single-conductor, switchboard and switchgear wires and cables, Type TBS, for use in accordance with the National Electrical Code.

American National Standards Maintained 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)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **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)**
- **UL (Underwriters Laboratories)**

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 Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment 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 Standards Action Editor at standact@ansi.org.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AAMI

Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8274
Web: www.aami.org

ABMA (ASC B3)

American Bearing Manufacturers Association
1001 N. Fairfax Street
Suite 500
Alexandria, VA 22314
Phone: (703) 838-0053
Web: www.americanbearings.org

AGA (ASC B109)

American Gas Association
400 N. Capitol St., NW
Suite 450
Washington, DC 20001
Phone: (202) 824-7058
Web: www.aga.org

AHRI

Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
Phone: (703) 293-4887
Web: www.ahrinet.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Web: www.ans.org

API

American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
Phone: (202) 682-8286
Web: www.api.org

ASA (ASC S12)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (516) 576-2341
Web: www.acousticalsociety.org

ASC X9

Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-2114
Web: www.ashrae.org

ASQ

American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (414) 272-8575
Web: www.asq.org

ASSP (Safety)

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 699-2929
Web: www.assp.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
-2959
Phone: (610) 832-9744
Web: www.astm.org

AWS

American Welding Society
8669 Doral Blvd
Suite 130
Doral, FL 33166
Phone: (305) 443-9353
Web: www.aws.org

ESTA

Entertainment Services and Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

FCI

Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
Phone: (216) 241-7333
Web: www.fluidcontrolsinstitute.org

IAPMO (ASSE Chapter)

ASSE International Chapter of
IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Web: www.asse-plumbing.org

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.org

IICRC

The Institute of Inspection,
Cleaning and Restoration
Certification
4043 South Eastern Avenue
Las Vegas, NV 89119
Phone: (702) 430-9829
Web: www.thecleantrust.org

ITI (INCITS)

InterNational Committee for
Information Technology
Standards
700 K Street NW
Suite 600
Washington, DC 20001
Phone: (202) 737-8888
Web: www.incits.org

LIA (ASC Z136)

Laser Institute of America
13501 Ingenuity Drive, Suite 128
Orlando, FL 32826
Phone: (407) 380-1553
Web: www.laserinstitute.org

MHI

Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
Phone: (704) 714-8755
Web: www.mhi.org

NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NEMA (ASC C37)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231
Web: www.nema.org

NEMA (ASC C78)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
Phone: (703) 841-3262
Web: www.nema.org

NEMA (ASC C82)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
Phone: (703) 841-3262
Web: www.nema.org

NEMA (Canvass)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3264
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660
Web: www.nsf.org

UL

Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
Phone: (510) 319-4297
Web: <https://ul.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

AIR QUALITY (TC 146)

ISO/DIS 24095, Workplace air - Guidance for the measurement of respirable crystalline silica - 8/13/2020, \$112.00

ANALYSIS OF GASES (TC 158)

ISO 12963/DAMd1, Gas analysis - Comparison methods for the determination of the composition of gas mixtures based on one- and two-point calibration - Amendment 1: Correction to Formula 5 - 8/7/2020, \$29.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 10962, Securities and related financial instruments - Classification of financial instruments (CFI) code - 8/13/2020, \$46.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 6927, Buildings and civil engineering works - Sealants - Vocabulary - 8/8/2020, \$53.00

ISO/DIS 9046, Buildings and civil engineering works - Sealants - Determination of adhesion/cohesion properties at constant temperature - 8/9/2020, \$40.00

ISO/DIS 13638, Buildings and civil engineering works - Sealants - Determination of resistance to prolonged exposure to water - 8/9/2020, \$46.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO/DIS 23118, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma - 8/6/2020, \$71.00

ISO/DIS 23162, Basic semen examination - Specification and test methods - 8/6/2020, \$98.00

ISO/DIS 20166-4, Molecular in vitro diagnostic examinations - Specifications for preexamination processes for formalin-fixed and paraffin-embedded (FFPE) tissue - Part 4: In situ detection techniques - 8/6/2020, \$88.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 21725-1, Simplified design of prestressed concrete bridges - Part 1: I-girder bridges - 8/9/2020, \$165.00

ISO/DIS 21725-2, Simplified design of prestressed concrete bridges - Part 2: Box-girder bridges - 8/9/2020, \$155.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19105, Geographic information - Conformance and testing - 8/8/2020, \$88.00

ISO/DIS 19170-1, Geographic information - Discrete Global Grid Systems Specifications - Part 1: Core Reference System and Operations, and Equal Area Earth Reference System - 8/10/2020, \$165.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 2836, Graphic technology - Prints and printing inks - Assessment of resistance of prints to various agents - 8/6/2020, \$53.00

HEALTH INFORMATICS (TC 215)

ISO/DIS 13131, Health informatics - Telehealth services - Quality planning guidelines - 8/10/2020, \$112.00

MACHINE TOOLS (TC 39)

ISO/DIS 19085-3, Woodworking machines - Safety - Part 3: Numerically controlled (NC/CNC) boring and routing machines - 8/8/2020, \$155.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 11296-4/DAmD1, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results - 8/9/2020, \$40.00

RARE EARTH (TC 298)

ISO/DIS 22453, Elements recycling - System of information exchange on rare earth elements in industrial waste and end of life cycled products - 8/7/2020, \$46.00

REFRIGERATION (TC 86)

ISO 18326/DAmD1, Non-ducted portable air-cooled air conditioners and air-to-air heat pumps having a single exhaust duct - Testing and rating for performance - Amendment 1 - 8/8/2020, \$33.00

ROAD VEHICLES (TC 22)

ISO/DIS 11452-9, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 9: Portable transmitters - 8/8/2020, \$146.00

SOIL QUALITY (TC 190)

ISO/DIS 23400, Guidelines for the determination of organic carbon and nitrogen stocks and their variations in mineral soil at field scale - 8/10/2020, \$93.00

SOLID BIOFUELS (TC 238)

ISO/DIS 17225-5, Solid biofuels - Fuel specifications and classes - Part 5: Graded firewood - 8/7/2020, \$53.00

ISO/DIS 17225-6, Solid biofuels - Fuel specifications and classes - Part 6: Graded non-woody pellets - 8/7/2020, \$46.00

ISO/DIS 17225-7, Solid biofuels - Fuel specifications and classes - Part 7: Graded non-woody briquettes - 8/7/2020, \$40.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 9016, Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination - 8/8/2020, \$46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19566-6/DAmD1, Information technologies - JPEG systems - Part 6: JPEG 360 - Amendment 1: Addition of new JPEG 360 image types and accelerated ROI rendering - 8/10/2020, \$77.00

ISO/IEC 23009-1/DAmD1, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats - Amendment 1: CMAF support, events processing model and other extensions - 11/3/2014, \$107.00

ISO/IEC DIS 27050-4, Information technology - Electronic discovery - Part 4: Technical readiness - 8/9/2020, \$93.00

ISO/IEC DIS 15444-16, Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 images into ISO/IEC 23008-12 - 8/10/2020, \$58.00

IEC Standards

34D/1548/CD, IEC 60598-2-20 ED5: Luminaires - Part 2-20: Particular requirements - Lighting chains, 2020/8/14

47/2633/FDIS, IEC 60749-30 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 30: Preconditioning of non-hermetic surface mount devices prior to reliability testing, 020/7/3/

48B/2809/CDV, IEC 63171-5 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 5: Detail specification for circular connectors with up to 8 ways, shielded or unshielded, free and fixed connectors: Mechanical mating information, pin assignment and additional requirements for type 5, 2020/8/14

48B/2808/CDV, IEC 61076-3-106 ED2: Connectors for electrical and electronic equipment - Product requirements - Part 3-106: Rectangular connectors - Detail specification for protective housings for use with 8-way shielded and unshielded connectors for industrial environments incorporating the IEC 60603-7 series interface, 2020/8/14

48D/725/DTS, IEC TS 62966-3 ED1: Mechanical Structures for Electronic Equipment - Aisle Containment for IT Cabinets - Part 3: Aspects of operational and personal safety, 2020/8/14

56/1889/CD, IEC 62506 ED2: Methods for product accelerated testing, 2020/8/14

57/2226/CD, IEC 61850-6-2 ED1: Communication networks and systems for power utility automation - Part 6-2: Configuration description language for extensions for human machine interfaces, 2020/8/14

62/351/DC, Refurbishment of medical electrical equipment, medical electrical systems and sub-assemblies and reuse of components as part of the extended life-cycle, 020/7/3/

62B/1172/DC, Refurbishment of medical electrical equipment, medical electrical systems and sub-assemblies and reuse of components as part of the extended life-cycle, 020/7/3/

62C/759/DC, Refurbishment of medical electrical equipment, medical electrical systems and sub-assemblies and reuse of components as part of the extended life-cycle, 020/7/3/

62D/1766/FDIS, IEC 60601-2-21 ED3: Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, 020/7/3/

62D/1765/FDIS, IEC 80601-2-35 ED3: Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use, 020/7/3/

62D/1767/FDIS, IEC 60601-2-50 ED3: Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment, 020/7/3/

62D/1764/FDIS, IEC 60601-2-19 ED3: Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators, 020/7/3/

65/805/FDIS, IEC 62890 ED1: Industrial-process measurement, control and automation -- Life-cycle-management for systems and components, 020/7/3/

69/718/FDIS, ISO 15118-8 ED2: Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication, 020/7/3/

76/651/CDV, ISO/IEC 19818-1 ED1: ISO 19818: Eye and face protection - Protection against laser radiation - Requirements and test methods, 2020/8/14

77B/830/FDIS, IEC 61000-4-3 ED4: Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test, 020/7/3/

81/640/FDIS, IEC 62793 ED2: Protection against lightning - Thunderstorm warning systems, 020/7/3/

82/1741/CD, IEC 62446-1 ED2: Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection, 2020/8/14

82/1740/NP, PNW TS 82-1740: Evaluation of Photovoltaic (PV) Module to Mounting Structure Interface, 2020/8/14

86A/2003/CDV, IEC 60794-4-30 ED1: Optical Fibre Cables - Part 4 -30: Aerial optical cables along electrical power lines - Family Specification for OPPC (Optical Phase Conductor), 2020/8/14

86C/1669/FDIS, IEC 61280-4-5 ED1: Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces, 020/7/3/

86C/1667(F)/FDIS, IEC 62149-5 ED3: Fibre optic active components and devices - Performance standards - Part 5: ATM-PON transceivers with LD driver and CDR ICs, 2020/6/19

86C/1672/CD, IEC 61280-1-3 ED3: Fibre optic communication subsystem test procedures - Part 1-3: General communication subsystems - Measurement of central wavelength, spectral width and additional spectral characteristics, 2020/8/14

99/271/NP, PNW TS 99-271: Power installations exceeding 1 kV a.c. - Part 3: Technical specifications for package substation above 52kV, 2020/6/19

104/868(F)/FDIS, IEC 60068-3-7 ED2: Environmental testing - Part 3 -7: Supporting documentation and guidance - Measurements in temperature chambers for tests A (Cold) and B (Dry heat) (with load), 2020/6/12

110/1207/NP, PNW 110-1207 ED1: Flexible display devices - Part 2: Essential ratings and characteristics, 2020/7/17

117/120/NP, PNW 117-120: Code of solar field performance test for parabolic trough solar thermal power plant, 2020/8/14

CIS/F/795/FDIS, CISPR 14-2 ED3: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, 020/7/3/



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 24772-3:2020](#), Programming languages - Guidance to avoiding vulnerabilities in programming languages - Part 3: C, \$185.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 8788:2020](#), Aerospace - Nuts, metric - Tolerances of form and position, \$138.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 6182-16:2020](#), Fire protection - Automatic sprinkler systems - Part 16: Requirements and test methods for fire pump relief valves, \$68.00

HEALTH INFORMATICS (TC 215)

[ISO/IEEE 11073-10201:2020](#), Health informatics - Device interoperability - Part 10201: Point-of-care medical device communication - Domain information model, \$232.00

MACHINE TOOLS (TC 39)

[ISO 14955-5:2020](#), Machine tools - Environmental evaluation of machine tools - Part 5: Principles for testing woodworking machine tools with respect to energy supplied, \$162.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

[ISO 13680:2020](#), Petroleum and natural gas industries - Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions, \$232.00

STEEL (TC 17)

[ISO 10893-2/Amd1:2020](#), Non-destructive testing of steel tubes - Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections - Amendment 1: Change of dimensions of the reference notch; change acceptance criteria, \$19.00

[ISO 10893-3/Amd2:2020](#), Non-destructive testing of steel tubes - Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 2: Change acceptance criteria, \$19.00

[ISO 10893-8/Amd1:2020](#), Non-destructive testing of steel tubes - Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections - Amendment 1: Change acceptance criteria, \$19.00

WATER RE-USE (TC 282)

[ISO 22524:2020](#), Pilot plan for industrial wastewater treatment facilities in the objective of water reuse, \$138.00

ISO Technical Specifications

ENVIRONMENTAL MANAGEMENT (TC 207)

[ISO/TS 14092:2020](#), Adaptation to climate change - Requirements and guidance on adaptation planning for local governments and communities, \$185.00

IEC Standards

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 63260 Ed. 1.0 en:2020](#), Guide for incorporating human reliability analysis into probabilistic risk assessments for nuclear power generating stations and other nuclear facilities, \$235.00

ULTRASONICS (TC 87)

[IEC 63045 Ed. 1.0 en:2020](#), Ultrasonics - Non-focusing short pressure pulse sources including ballistic pressure pulse sources - Characteristics of fields, \$352.00

IEC Technical Reports

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TR 61850-90-4 Ed. 2.0 en:2020](#), Communication networks and systems for power utility automation - Part 90-4: Network engineering guidelines, \$410.00

IEC Technical Specifications

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 62257-12-1 Ed. 3.0 en:2020](#), Recommendations for renewable energy and hybrid systems for rural electrification - Part 12-1: Laboratory evaluation of lamps and lighting appliances for off-grid electricity systems, \$352.00

[S+ IEC/TS 62257-12-1 Ed. 3.0 en:2020 \(Redline version\)](#),

Recommendations for renewable energy and hybrid systems for rural electrification - Part 12-1: Laboratory evaluation of lamps and lighting appliances for off-grid electricity systems, \$457.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations 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 proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. 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 Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry 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 available on Notify U.S. at <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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 affected 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 categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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 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 a 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 Developers

Approval of Reaccreditation

Association for Print Technologies (APTech)-sponsored ASC B65 – Safety Specifications for Printing Press Equipment and Systems

The reaccreditation of the Association for Print Technologies (APTech)-sponsored ASC B65, Safety Specifications for Printing Press Equipment and Systems, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC B65-sponsored American National Standards, effective May 26, 2020. For additional information, please contact: Ms. Debbie Orf, Sr. Director, Standards & ICC, Association for Print Technologies, 1896 Preston White Drive, Reston, VA 20191; phone: 540.272.2786; e-mail: dorf@aptech.org.

Association for Print Technologies (APTech)-sponsored ASC CGATS – Committee for Graphic Arts Technologies and Standards

The reaccreditation of the Association for Print Technologies (APTech)-sponsored ASC CGATS, Committee for Graphic Arts Technologies and Standards, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC CGATS-sponsored American National Standards, effective May 26, 2020. For additional information, please contact: Ms. Debbie Orf, Sr. Director, Standards & ICC, Association for Print Technologies, 1896 Preston White Drive, Reston, VA 20191; phone: 540.272.2786; e-mail: dorf@aptech.org.

Certified Automotive Parts Association (CAPA)

The reaccreditation of the Certified Automotive Parts Association (CAPA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on CAPA-sponsored American National Standards, effective May 27, 2020. For additional information, please contact: Ms. Bernadette Kronberg, Program Manager, Transportation Technologies, Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI 49512; phone: 616.656.7483; e-mail: bernadette.kronberg@intertek.com.

Reaccreditation

Project Management Institute (PMI)

Comment Deadline: June 29, 2020

The Project Management Institute (PMI), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on PMI-sponsored American National Standards, under which it was last reaccredited in 2018. As the current 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: Ms. Lorna Scheel, Standards Compliance Specialist, Project Management Institute, 14 Campus Boulevard, Newtown Square, PA 19703-3299; phone: 313.404.3507; e-mail: Lorna.Scheel@pmi.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to PMI by June 29, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompson@ANSI.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 71 – Concrete, reinforced concrete and pre-stressed concrete

Comment Deadline: June 5, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 71 – Concrete, reinforced concrete and pre-stressed concrete. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 71 to the American Concrete Institute (ACI). ACI International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 71 operates under the following scope:

Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 71. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

- (1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
- (2) The affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
- (3) The relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
- (4) ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 71 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by June 5, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

ISO/TC 71/SC 4 – Performance requirements for structural concrete

Comment Deadline: June 5, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 71/SC 4 – Performance requirements for structural concrete. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 71/SC 4 to the American Concrete Institute (ACI). ACI International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 71/SC 4 operates in the area of "Performance requirements for structural concrete" under the scope of ISO/TC 71:

Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 71/SC 4. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

- (1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
- (2) The affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
- (3) The relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
- (4) ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 71/SC 4 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by June 5, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

ISO New Work Item Proposal Managing Risk for Youth and School Trips

Comment Deadline: June 5, 2020

COPOLCO, the ISO Policy Advisory Committee on Consumer Issues, and SCC, has submitted to ISO a proposal for new work item proposal for the development of an ISO standard on Managing risk for youth and school trips, with the following scope statement:

We envision a new ISO standard which will provide guidance for managing risk for youth (in particular, minors due to their particular vulnerabilities) and school trips for both domestic and international travel. The standard will gather best practices to address typical risks for this sector such as behavioral breaches and carelessness of students, weather-related problems, requirements for those with special needs (such as travelers with disabilities), technical elements such as mechanical failures of equipment, etc. The standard will benefit both the travelers themselves and the organizations that serve them by covering:

- Safety and security of groups of young people travelling (specifically but not limited to school groups);
- Risk management for organizations such as school boards, tourist attractions, tour operators, service providers, and recreational activities, etc.

NOTE: This proposed standard will not include how to organize such trips and it will not be limited to adventure travel.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

ISO Proposal for a New Field of ISO Technical Activity

Child Care Articles

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Child care articles, with the following scope statement:

Standardization of horizontal requirements of any product designed or obviously intended to safely ensure and facilitate seating, bathing, changing and general body care, feeding, sleeping, transportation and protection for young children. Standardization of all products related to child care for which no other Technical Committee exists. The main focus is for products intended for children up to 4 years old.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

Social Responsibility

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on social Responsibility, with the following scope statement:

Standardization in the field of Social Responsibility to provide guidance and framework to all types of organizations, regardless of their size, activity or location. It allows organizations to challenge their own practices, define their corporate social responsibility and thus devise strategies to enhance their contribution to sustainable development.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:

AAMI/ISO 8637-1, *Extracorporeal systems for blood purification series, Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators*. Specifies requirements for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators, for use in humans. Seeking industry/general interest/regulator members. To apply or obtain additional information, please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-2, *Extracorporeal systems for blood purification, Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters*. Specifies requirements for the blood circuit for devices used in extracorporeal blood filtration therapies such as, but not limited to, haemodialysis, haemodiafiltration, haemofiltration and transducer protectors (integral and non-integral) intended for use in such circuits. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-3, *Extracorporeal systems for blood purification, Part 3: Plasmafilters*. Specifies requirements and acceptance criteria (including test methods) for safety related parameters for plasmafilters. Specifies requirements for sterile, single-use plasmafilters, intended for use on humans. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.



American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More...

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:

- *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 - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org.

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit <https://webstore.ansi.org/>



**BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 15-2019**

First Public Review Draft

**Proposed Addendum i to
Standard 15-2019, Safety Standard
for Refrigeration Systems**

**First Public Review (May 2020)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(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 addendum modifies ASHRAE Standard 15 by making necessary changes to defer regulation of ammonia refrigeration to ANSI/IIAR 2 (see Section 2.3). Addenda d and h to ASHRAE Standard 15-2016 inadvertently added references to ammonia, after Addendum a to ASHRAE Standard 15-2016 had already been published to remove ammonia refrigeration from ASHRAE Standard 15. Further, in editing the 2019 edition, some of the modifications of Addendum a to ASHRAE Standard 15-2016 were missed. This addendum removes the added and erroneous references to ammonia.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike 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 i to Standard 15-2019

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

7. RESTRICTIONS ON REFRIGERANT USE

[...]

Table 7-1 Special Quantity Limits for Sealed Ammonia/Water Absorption and Self-Contained Systems

Type of Refrigeration System	Maximum lb (kg) for Various Occupancies			
	Institutional	Public/Large-Merchandise	Residential	Commercial
Sealed Ammonia/Water Absorption System				
In public hallways or lobbies	0 (0)	0 (0)	3.3 (1.5)	3.3 (1.5)
In adjacent outdoor locations	0 (0)	0 (0)	22 (10)	22 (10)
In other than public hallways or lobbies	0 (0)	6.6 (3)	6.6 (3)	22 (10)
Unit Systems				
In other than public hallways or lobbies	0 (0)	0 (0)	6.6 (3)	22 (10)

[...]

7.4 Location in a Machinery Room or Outdoors. All components containing *refrigerant* shall be located either in a *machinery room* or outdoors, where the quantity of *refrigerant* needed exceeds the limits defined by Section 7.2 and Section 7.3 ~~or where direct-fired absorption equipment is used.~~

Exceptions to 7.4:

1. ~~Self-contained systems~~ are permitted outside of a *machinery room*, provided that such systems are not located in public hallways or *lobbies* and are limited to the following occupancies and *refrigerant* quantities:
 - a. 6.6 pounds (3 kg) of *refrigerant* where located in residential occupancies.
 - b. 22 pounds (10 kg) of *refrigerant* where located in commercial occupancies.
2. Sealed absorption systems not exceeding the *refrigerant* quantity limits indicated in Table 7-1.

7.4.1 Direct-fired absorption equipment *shall* be located in a *machinery room* or outdoors.

[...]

7.4.2 Flammable Refrigerants. *Machinery rooms* required by Section 7.4 based on flammability *shall* be constructed and maintained in accordance with Sections 8.11 and 8.12 for Group A2, A3, B2, and B3 refrigerants. *Machinery rooms* required by Section 7.4 based on flammability *shall* be constructed and maintained in accordance with Sections 8.11.1 through 8.11.5 and Section 8.13 for Group A2L and B2L refrigerants ~~other than R-717 (ammonia).~~

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

8. INSTALLATION RESTRICTIONS

[...]

Exceptions to 8.11.5:

1. Detectors are not required when only systems using R-718 (water) are located in the refrigerating *machinery room*.
2. For Group A2L and B2L ~~other than ammonia~~, refer to Section 8.13.

[...]

8.11.8 Ventilation Airflow. For Group A1, A2, A3, B1, B2, and B3, the airflow *shall* comply with Section 8.11.8.1. For Group A2L and B2L ~~other than R-717 (ammonia)~~, the airflow *shall* comply with Section 8.13.

[...]

8.13 Machinery Room, A2L and B2L ~~Other than R-717 (Ammonia)~~. When required by Section 7.4.2, *machinery rooms shall* comply with Sections 8.13.1 through 8.13.6.

8.13.6 When any *refrigerant* of Groups A2, A3, B2, or B3 are used, the *machinery room shall* be designated as Class I, Division 2 hazardous (classified) electrical location in accordance with the National Electric Code³. When the only flammable *refrigerants* used are from Group A2L or B2L ~~other than R-717 (ammonia)~~, the *machinery room shall* comply with both Section 8.13.6.1 for ventilation and Section 8.13.6.2 for *refrigerant* detection, or *shall* be designated as Class I, Division 2 hazardous (classified) electrical location in accordance with the National Electrical Code³.

[...]

8.13.11.4 Safety Group A2L, B2L ~~Other than Ammonia~~. When required by Section 8.13.11.3, the total airflow for Level 2 ventilation *shall* be not less than the airflow rate determined by Figure 8-1 (I-P) or Figure 8-2 (SI).

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

INFORMATIVE APPENDIX A—INFORMATIVE REFERENCES

This appendix contains a full list of informative references only. A full list of normative references is included in normative Appendix B. References in this standard are numbered in the order in which they appear in the document, so the numbers for the normative references are shown for the convenience of the user.

1. IIAR. 2014. ANSI/IIAR 2, including Addendum A, American National Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems. Arlington, VA: International Institute of Ammonia Refrigeration.



**BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

**Proposed Addendum i to
Standard 34-2019, Designation and
Safety Classification of
Refrigerants**

**First Public Review (July 2020)
(Draft shows Proposed Changes to Current Standard)**

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

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

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(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 addendum removes the requirement for refrigerant applications to include MSDS.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 i to Standard 34-2019

Modify Section 3.2 as shown.

3.2 Acronyms, Abbreviations, and Initialisms

[...]

LFL	lower flammability limit
LOEL	lowest observed effect level
MSDS	material data safety sheet
NOEL	no-observed-effect level
OEL	occupational exposure limit

[...]

Modify Section 9.6 as shown.

9.6 Toxicity Information. Applications shall include the data identified in Sections 9.6.1, 9.6.2, and 9.6.3. The sources for these data shall be identified, and the applicant shall provide copies if requested by the committee. The identified sources shall describe the test methods, specimens, and materials used and also document clinical observations and the test results. The documentation must indicate the extent of compliance with good laboratory practices (GLP) regulations in accordance with Reference 13, 14, 15, or 16 or earlier editions of these references in effect at the time when the studies were conducted. Data from peer-reviewed publications, including journal articles, reports, and assessments, also are allowed. ~~Material Safety data sheets (MSDSs), hygiene standard sheets, manufacturers' product literature, and databases are not acceptable as sources for toxicity information for this section.~~

Delete Section 9.6.3.

~~**9.6.3 Material Safety Data Sheet.** Applications for single compound refrigerants shall include an MSDS, or information consistent therewith, as an appendix. Applications for blends shall include MSDSs for the blend as formulated and for each component of the blend as appendices.~~

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

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

-
-
-

5 Physical and performance requirements

5.1 General

Plastic piping system components and related materials shall comply with the physical and performance requirements of the applicable normative standard (as referenced in Section 2) and with the requirements of Sections 5.2 through 5.8.

-
-
-

5.3 Requirements for PVC resins

~~Resins intended for use in PVC fitting compounds shall have an inherent viscosity of at least 0.65 when tested according to ASTM D1243.⁵ Resins intended for use in PVC pressure pipe compounds shall comply with the applicable requirements of PPI TR-3.⁹~~

NOTE — PPI TR-3 currently limits the inherent viscosity of PVC pressure pipe resin to a minimum of 0.88.

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NSF/ANSI Standard for Biosafety Cabinetry

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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.
.

5 Design and construction

.

5.25 Alarms

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5.25.6 Type A1, A2, or C1 cabinet low inflow alarm

Type A1, A2, or C1 cabinets may contain an inflow alarm system to alert the user of a potential loss of personnel protection. When present, an audible and visual alarm shall be required to indicate within 15 seconds of reaching the manufacturer-specified inflow alarm set point.

When starting the cabinet blowers from a dead stop, the inflow alarm must activate a visual indication until the cabinet either enters into a visually indicated warm up period ~~not to exceed 2 minutes~~ or the appropriate inflow velocity is achieved to ensure proper alarm system function.

If the manufacturer-specified inflow velocity alarm set point is more than 10 ft/min (0.051 m/s) less than the nominal inflow velocity, the test as specified in Section N-1.6.3.1.h will be performed with the inflow velocity at this set point ± 3.0 ft/min (0.015 m/s).

If the manufacturer-specified inflow velocity alarm set point is no more than 10 ft/min (0.051 m/s) less than the nominal inflow velocity, the inflow alarm point shall be tested as specified in Section N-1.6.3.1.h.

Rationale: As pointed out by the proponent, placing a limit on the warm up period in this section means it only applies to cabinets that have a low inflow alarm. As such, if there is a low inflow alarm present, it is limited to 2 minutes. If there is no inflow alarm present, the BSC could technically have a multi-hour warm up and still comply with the standard. If the standard is to specify a maximum warm up period, this is not the place for it.

UL 141

May 29, 2020

SUMMARY OF TOPICS

The following changes in requirements to the UL Standard for Safety for Garment Finishing Appliances, UL 141, are being proposed:

1. Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1

STP BALLOTS AND ALL COMMENTS DUE: June 28, 2020

Need access to the full standard or a standard this proposal references? [Click here](#) to learn more about accessing UL Standards. STP Members can find the latest copy of the standard under their My STPs tab in CSDS.

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 60335-2-3, UL is looking for participants in the AHJ, Commercial/Industrial User, Government, International Delegate and Supply Chain interest categories. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 60335-2-3 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Doreen.Stocker@ul.org.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1

RATIONALE

Proposal submitted by: Joe Musso, Underwriters Laboratories Inc.

The standard for Power Conversion Equipment, UL 508C, has been harmonized with the IEC standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, IEC 61800-5-1, with the understanding that it would eventually replace UL 508C. UL 61800-5-1 was published on June 8, 2012. UL 508C is no longer being maintained, has not been updated to reflect the latest National Electrical Code revisions, and has been withdrawn.

UL 141

May 29, 2020

The proposed change replaces the references to UL 508C with references to UL 61800-5-1, as an additional alternative in the related list of component standard references.

PROPOSAL

5.6.4 Motor and speed controls

5.6.4.1 A control used to start, stop, regulate or control the speed of a motor shall comply with:

- a) The Standard for Solid-State Controls for Appliances, UL 244A; or
- b) The Standard for Temperature-Indicating and -Regulating Equipment, UL 873; or
- c) The Standard for Industrial Control Equipment, UL 508; or
- d) The Standard for Power Conversion Equipment, UL 508C Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1; or
- e) The Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1.

5.16.4.4 Except as indicated in 5.16.4.3, electronically protected motor circuits shall comply with one of the following. See 5.6.4 for basic control requirements.

- a) The Standard for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991. When the protective electronic circuit is relying upon software as a protective component, it shall comply with the requirements in the Standard for Tests for Software in Programmable Components, UL 1998. If software is relied upon to perform a safety function, it shall be considered software Class 1; or
- b) The Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1. If software is relied upon to perform a safety function, it shall be considered software Class B; or
- c) The Standard for Power Conversion Equipment, UL 508C Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1.

Exception: Compliance with this requirement is not required for an electronically protected motor circuit if there is no risk of fire, electric shock, or personal injury during abnormal testing with the motor electronic circuit rendered ineffective; compliance with the applicable requirements of this end product standard is then required.

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UL 399

May 29, 2020

BSR/UL 399, Standard For Safety for Drinking-Water Coolers**1. Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1****PROPOSAL**

21.23 Except as specified in 21.24, an operating control, including of the electronic type, shall comply with one of the following:

- a) One of the Standards specified in 21.13 (b) - (f);
- b) The requirements in this Standard as far as they reasonably apply; or
- c) One of the following standards:
 - 1) Standard for Solid-State Controls for Appliances, UL 244A;
 - 2) Standard for Power Conversion Equipment, UL 508C Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1; or
 - 3) Standard for Clock-Operated Switches, UL 917.

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BSR/UL 900, Standard for Safety for Air Filter Units

1 Scope

1.1 These requirements cover tests to determine the amount of smoke generated and the combustibility of air filter units of both washable and throwaway types used for removal of dust and other airborne particles from air circulated mechanically in equipment and systems installed in accordance with the Standards for Installation of Air Conditioning and Ventilating Systems, NFPA 90A (Other Than Residence Type), Installation of Warm Air Heating and Air Conditioning Systems, NFPA 90B (Residence Type), the International Mechanical Code, the International Fire Code, and the Uniform Mechanical Code. These requirements also cover media and rigid media cartridges intended for assembly into air filter units.

7 Flame-Exposure Test

7.11 The igniting flame is to be that resulting from the burning of unpremixed natural gas discharged at low velocity into the air stream at a rate liberating 70.3 kW (4000 Btu per minute) ± 5 percent. Adjustment to the flame rate are made in the case of media cartridges per section 7.20.c below. The gas-burner nozzles are to consist of two malleable-iron pipe elbows or couplings, 1 inch USA Pipe Size, ANSI/ASME B36.10 M, Welded and Seamless Wrought Steel Pipe, the outlets of which are to be located 457 mm (18 inches) upstream from the face of a nominal 500 by 500 mm (20 by 20 inch) filter and 622 mm (24-1/2 inches) upstream from the face of a nominal 600 by 600 mm (24 by 24 inch) filter. The nozzles are to be arranged to discharge gas downstream parallel to the flow of air. The gas nozzles are to be connected, using nipples to a tee located on the center line of the duct. The tee is to be connected through a control valve to the source of gas. The two nozzles are to be spaced 279 mm (11 inches) apart, as measured between their center lines, and are to be positioned 51 mm (2 inches) above the bottom of the test duct as measured to their center lines. The vertical position of each nozzle above the floor of the test duct may be varied as much as 25.4 mm (1 inch) to provide for two patterns of flame impingement on the test filter.

7.20 For the purposes of these requirements, filters are categorized into ~~two~~ three types:

- a) Panel type filters are characterized by their flat, shallow assemblies in which the velocity of the air stream in the duct approaches the velocity through the filter media. For filters of this type, the face size of the samples is to be a nominal 500 by 50 mm (20 by 20 inches) or a nominal 600 by 600 mm (24 by 24 inches). Five samples having the maximum thickness in which the model or style is to be made are to be subjected to this test. When particular model or style is made in more than one thickness, an additional three samples having the minimum thickness dimension are also to be subjected to this test.

b) Extended surface filters are characterized by pleated or pocket configurations of the media wherein the approach velocity of the air stream in the duct at the vertical plane of the filter face is substantially greater than the velocity through the filter media. Five samples having a face size of a nominal 500 by 500 mm (20 by 20 inches) are to be subjected to this test. The samples are to have the largest amount of media per rated air flow present in the model or style to be covered. The depth or number of pleats or pockets is reducible to provide the approximate amount of media representative of the test flow rate to which it is subjected [17.3 m³/min. (612 ft³/minute) for a nominal 500 by 500 mm (20 by 20 inches) unit and 24.9 m³/min. (880 ft³/minute) for a nominal 600 by 600 mm (24 by 24 inches) unit.] See 7.27.

c) Media cartridges are characterized by rigid, densely packed panels or curved structures where the velocity of air through the surface is designed and specified to be substantially lower than the velocity in a duct or through filters of category (a) or (b), even under differential pressure of up to 0.5" WG across the cartridge. For such cartridges, five samples are to be subjected to the test at a modified air flow rate corresponding to the flow which the cartridge model or style is specified to support. Adjustment to the test conditions will be made to the total flame power (per section 7.11) and duct air flow (per section 7.27) during the test, such that the air velocity at the cartridge surface corresponds to the maximum specified velocity for this type of cartridge, and the flame power is reduced proportionately to the reduction in air flow.

7.27 The test air flow is to be adjusted (by restricting the blower inlet) so that the average airflow in the duct is 17.3 m³/min. (612 cubic feet per minute), for a nominal 508 by 508 mm (20 by 20 inches) filter and 24.9 m³/min. (880 cubic feet per minute) for a nominal 610 by 610 mm (24 by 24 inches) filter. This is to be accomplished by adjusting the flow so that the average discharge velocity, as measured in meters per second at the discharge end of the 533 by 533 mm (21 by 21 inches) duct, is 1.01 m/s (3.31 ft/sec) for a nominal 508 by 508 mm (20 by 20 inch) filter and 1.46 m/s (4.79 ft/sec) for a nominal 610 by 610 mm (24 by 24 inch) filter. For media cartridge style filters (per section 7.20.c), the air flow rate is adjusted such that the average airflow in the duct approximates (within ±15%) the air flow specified for a single cartridge of that model.

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BSR/UL 1004-1, Standard for Safety for Rotating Electrical Machines - General Requirements

Topic: Replace Reference to UL 508C with UL 61800-5-1

PROPOSAL

7.1 When a motor is provided with a controller, or where a solid-state control provides required protection, the control shall comply with:

- a) The Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, when intended only for commercial or residential use; and
- b) The Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, the Standard for Industrial Control Equipment, UL 508, or ~~the Standard for Power Conversion Equipment, UL 508C~~ the Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1, when intended only for industrial applications.

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UL 1647

May 29, 2020

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Safety for Motor-Operated Massage and Exercise Machines, UL 1647 are being proposed:

1. Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1

STP BALLOTS AND ALL COMMENTS DUE: JUNE 28, 2020

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UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 1647, UL is looking for participants in the AHJ, Commercial/Industrial User, Consumers, Government, International Delegate interest categories. Definitions for these interest categories are available on the Standards STP Internet site.

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 1647 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Doreen.Stocker@ul.org.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1

RATIONALE

Proposal submitted by: Joe Musso, Underwriters Laboratories Inc.

The standard for Power Conversion Equipment, UL 508C, has been harmonized with the IEC standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, IEC 61800-5-1, with the understanding that it would eventually replace UL 508C. UL 61800-5-1 was published

UL 1647

May 29, 2020

on June 8, 2012. UL 508C is no longer being maintained, has not been updated to reflect the latest National Electrical Code revisions, and has been withdrawn.

The proposed change replaces the references to UL 508C with references to UL 61800-5-1, as an additional alternative in the related list of component standard references.

PROPOSAL

5.6.4.1 A control used to start, stop, regulate or control the speed of a motor shall comply with one of the following:

- a) The Standard for Solid-State Controls for Appliances, UL 244A;
- b) The Standard for Temperature-Indicating and -Regulating Equipment, UL 873;
- c) The Standard for Industrial Control Equipment, UL 508;
- d) The Standard for ~~Power Conversion Equipment, UL 508C~~ Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1; or
- e) The Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1.

Exception: A control that controls the speed and acceleration of the treadmill belt shall comply with Switches and Controls, Section 40.1.

5.16.4.4 Except as indicated in 5.16.4.3, electronically protected motor circuits shall comply with one of the following. See Motor and Speed Controls, Section 5.6.4 for basic control requirements:

- a) The Standard for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991. When the protective electronic circuit is relying upon software as a protective component, it shall comply with the requirements in the Standard for Software in Programmable Components, UL 1998. If software is relied upon to perform a safety function, it shall be considered software Class 1;
- b) The Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1. If software is relied upon to perform a safety function, it shall be considered software Class B; or
- c) The Standard for ~~Power Conversion Equipment, UL 508C~~ Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1.

Exception: Compliance with the above standards is not required for an electronically protected motor circuit if there is no risk of fire, electric shock, or injury to persons during abnormal testing with the motor electronic circuit rendered ineffective; compliance with the applicable requirements of this end product standard is then required.

UL 1647

May 29, 2020

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UL 4200a

May 29, 2020

SUMMARY OF TOPICS

The following changes in requirements to the Underwriters Laboratories Inc. Standard For Safety For Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, are being proposed:

1. Additional option for battery cover removal torque level

STP BALLOTS AND ALL COMMENTS DUE: June 28, 2020

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 4200, UL is looking for participants in the AHJ, Commercial/ Industrial Users, Consumers, Government and Supply Chain interest categories. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 4200a membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Doreen Stocker, doreen.stocker@ul.org.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Additional option for battery cover removal torque level

RATIONALE

Proposal submitted by: Carin Stuart, Energizer Brands, Inc

The 0.5 Nm torque requirement is based on an audio/visual standard. UL 4200A has a broader scope that applies to all devices using a lithium coin cell. Many smaller devices such as key chain lights or clip on devices are too small to support a torque of 0.5 Nm as the product may break under this load. So the higher torque is not applicable and should be set at the proper level to avoid children accessing the battery but be applicable to the device.

PROPOSAL

5.5 Products that ~~locate~~ utilize removable or replaceable button/coin cell batteries inside a battery compartment shall be designed to prevent children from removing the battery by one of the following methods in (a), ~~or~~ (b) or (c) below. Compliance is checked by the tests of Section 6.

UL 4200a

May 29, 2020

a) A tool, such as a screwdriver or coin, is required to open the battery compartment. For a battery compartment secured by a screw or a twist-on access cover, a minimum torque of 0.5 Nm and a minimum angle of 90 degrees of rotation shall be required to open the compartment or the fastener shall engage a minimum of two full threads for audio/video equipment as defined in UL 62368-1, Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements; or

b) The battery compartment door is held closed with more than one screw in which case a minimum torque of 0.025 Nm shall be required to open the compartment; or

b_c) The battery compartment door or cover requires the application of a minimum of two independent and simultaneous movements to open by hand.

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BSR/UL 6141, Standard for Safety for Wind Turbines Permitting Entry of Personnel

1. Removal of References to the Standard for Power Conversion Equipment, UL 508C, and Replacement with Reference to the Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy UL 61800-5-1.

4.9.2 To prevent damage by loose materials, electrical components shall be housed in electrical cabinets within the hub. The enclosures shall comply with the applicable enclosure requirements of the:

- a) Standard for Industrial Control Equipment, UL 508,
- b) ~~Standard for Power Conversion Equipment, UL 508C,~~ Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1,
or
- c) Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741.

4.10.1 The converter or inverter that performs functions directly related to WT power generation shall comply with one of the standards noted in ~~(a)~~ (b) – (f) below but shall also include multiple source aspects. Where a converter or inverter has connections to multiple power sources, such as but not limited to the EPS, the turbine generation, and energy storage, the converter or inverter shall be tested to include those multiple sources under normal and abnormal conditions. A connection to a power source that cannot result in fault current into an inverter or converter (during inverter or converter internal faults) may be excluded. One example of such a connection is a control circuit to a power generation device.

- a) ~~Standard for Power Conversion Equipment, UL 508C;~~
- b) Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741;
- c) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal and Energy, UL 61800-5-1;
- d) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional, UL 61800-5-2;
- e) Standard for Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, UL 62109-1; or
- f) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General.

Exception: UL 1741 requirements specified for compliance with IEEE 1547, Interconnecting Distributed Resources with Electric Power Systems, and IEEE 1547.1, Conformance Test Procedures for Interconnecting Distributed Resources with Electric Power Systems are not required to be addressed.

4.20.1 A motor drive assembly that supplies power to control a motor(s) operating at a frequency or voltage different than that of the input supply shall have electrical and environmental ratings for the intended application and comply with one of the following standards:

- a) ~~Standard for Power Conversion Equipment, UL 508C;~~
- b) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1;

- c) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional UL 61800-5-2; or
- d) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General.

Note: Motor drives are not considered to be directly related to WT power generation, which is addressed in Converters/inverters, 4.10.

Standards for Components

Power Conversion Equipment—UL 508C

2. Particular Requirements for Medium Voltage Wind Turbine Converters

4.10.1 The low voltage converter or inverter that performs functions directly related to WT power generation shall comply with one of the standards noted in (a) – (f) below but shall also include multiple source aspects. Medium voltage converters shall comply with (g) or (h). Where a converter or inverter has connections to multiple power sources, such as but not limited to the EPS, the turbine generation, and energy storage, the converter or inverter shall be tested to include those multiple sources under normal and abnormal conditions. A connection to a power source that cannot result in fault current into an inverter or converter (during inverter or converter internal faults) may be excluded. One example of such a connection is a control circuit to a power generation device.

- a) Standard for Power Conversion Equipment, UL 508C;
- b) Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741;
- c) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal and Energy, UL 61800-5-1;
- d) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional, UL 61800-5-2;
- e) Standard for Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, UL 62109-1; or
- f) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General.
- g) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General, and IEC 62477-2, Safety requirements for power electronic converter systems and equipment – Part 2: Power electronic converters from 1 000 V AC or 1 500 V DC up to 36 kV AC or 54 kV DC; or
- h) Standard for Safety for Medium Voltage Power Conversion Equipment, UL 347A.

Exception: UL 1741 requirements specified for compliance with IEEE 1547, Interconnecting Distributed Resources with Electric Power Systems, and IEEE 1547.1, Conformance Test Procedures for Interconnecting Distributed Resources with Electric Power Systems are not required to be addressed.

4.20.1 A motor drive assembly that supplies power to control a motor(s) operating at a frequency or voltage different than that of the input supply shall have electrical and environmental ratings for the intended application and comply with one of the following standards:

- a) Standard for Power Conversion Equipment, UL 508C;

- b) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1;
- c) Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional UL 61800-5-2; or
- d) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General.
- e) IEC 62477-1, Safety requirements for power electronic converter systems and equipment – Part 1: General, and IEC 62477-2, Safety requirements for power electronic converter systems and equipment – Part 2: Power electronic converters from 1 000 V AC or 1 500 V DC up to 36 kV AC or 54 kV DC; or
- f) Outline of Investigation for Medium Voltage Stator Switching Assemblies for Wind Applications, Up to 15KV, UL 347D.

Note: Motor drives are not considered to be directly related to WT power generation, which is addressed in Converters/inverters, 4.10.

4.24.3 An electrical actuator, lock out device, or similar type equipment that opens and prevents electrical closing of the medium voltage disconnect, shall be located in the nacelle if medium voltage equipment is present either in the nacelle or in the tower of the wind turbine.

Note 1: This requirement is intended to provide a means, located within the nacelle, to disconnect medium voltage supplies or actuate a disconnect device not located in the nacelle.

Note 2: The Standard for Electrical Safety in the Workplace, NFPA 70E, includes worker safety requirements including prevention of access to energized medium voltage equipment. The most common protection methods include mechanical captive keys. These interlock requirements are intended to prevent access or service in medium voltage compartments when the equipment is energized. Circuits that can be electrically fed from two or more sources may need additional protection.

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