ANSI STANDARDS ACTION

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CONTENTS

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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.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer; jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org

New National Adoption

BSR/AAMI/IEC 60601-2-19-202x, Medical Electrical Equipment - Part 2-19: Particular Requirements for the Basic Safety and Essential Performance of Infant Incubators (identical national adoption of IEC 60601-2-19:2020 and revision of ANSI/AAMI/IEC 60601-2-19-2009 (R2014))

Stakeholders: Regulators, stakeholders, clinicians/users.
Project Need: This document provides updated safety requirements for infant incubators.
Applies to basic safety and essential performance of infant incubators.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer; jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org

New National Adoption

BSR/AAMI/IEC 60601-2-21-202x, Medical Electrical Equipment - Part 2-21: Particular Requirements for the Basic Safety and Essential Performance of Infant Radiant Warmers (identical national adoption of IEC 60601-2-21 and revision of ANSI/AAMI/IEC 60601-2-21-2009 (R2014))

Stakeholders: Regulators, manufacturers, clinicans/users.
Project Need: This document updates important safety requirements for infant radiant warmers.
Specifies the safety requirements for infant radiant warmers.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer; jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org

New National Adoption

BSR/AAMI/IEC 60601-2-50-202x, Medical Electrical Equipment - Part 2-50: Particular Requirements for the Basic Safety and Essential Performance of Infant Phototherapy Equipment (identical national adoption of IEC 60601-2 -50:2020 and revision of ANSI/AAMI/IEC 60601-2-50-2009 (R2014))

Stakeholders: Regulators, manufacturers, clinicians/users.
Project Need: Updates important safety and performance requirements for infant phototherapy equipment.
Applies to the basic safety and essential performance of infant phototherapy equipment.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton; smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Revision

BSR/ABYC H-26-202x, Powering of Boats (revision of ANSI/ABYC H-26-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: This standard applies to boats propelled by machinery, including catamarans.
This standard addresses the maximum power for propulsion of outboard boats; the suitability of power installed in inboard boats; and maneuvering speed.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton; smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Revision

BSR/ABYC P-6-202x, Propeller Shafting Systems (revision of ANSI/ABYC P-6-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: This standard applies to all boats driven by propeller shafting systems that penetrate the hull.
This standard addresses the design, construction, and materials for propeller shafts and struts, and the installation of shaft bearings, stern bearings, struts, shaft seals, shaft logs, shaft couplings, and propellers.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME HR-1-202x, Power Generating Facilities: Continuous Power Output and Heat Rate (new standard)

Stakeholders: Designers, producers, manufacturers, constructors, owners, operators, consultants, users, general interest, laboratory, regulatory/government, testing services, distributors.
Project Need: This document is being developed in order to address the power industry's need for standards that establish more accurate analysis and reporting of continuous power output and heat rate. Improved heat rate reporting will help achieve compliance with the Affordable Clean Energy rule, which was set forth by the Environmental Protection Agency and calls for reducing CO2 emissions.
This document will provide rules and methods for the determination of continuous power output and heat rate with the lowest achievable uncertainties for hydrocarbon fueled Rankine cycle power generating facilities. Implementation of a continuous performance monitoring program will be outlined.

BPI (Building Performance Institute)

Contact: Susan Carson; standards@bpi.org
107 Hermes Road, Suite 110, Malta, NY 12020 www.bpi.org

Revision

BSR/BPI 1100-T-202x, Home Energy Auditing Standard (revision of ANSI/BPI-1100-T-2014)

Stakeholders: Manufacturers of materials and equipment, service providers, contractors and energy efficiency agencies concerned with home performance retrofit of existing buildings.
Project Need: This standard is in need of updates in keeping with changes in the industry.
This standard practice defines the minimum criteria for conducting a building science-based residential energy audit. The energy audit will address energy usage and limited aspects of building durability and occupant health and safety. The energy audit will provide a comprehensive report with a list of prioritized recommendations to improve the home and will include a cost-benefit analysis. Residential building types covered are defined as existing detached single-family dwellings and townhouse meeting specific criteria.

CSA (CSA America Standards Inc.)

Contact: David Zimmerman; ansi.contact@csagroup.org
8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org

New Standard

BSR/CSA C22.2 No 348-202x, Vehicle-to-Grid Charging Equipment (new standard)

Stakeholders: Industry, manufacturers, regulators, users and certification agencies.
Project Need: This proposed new standard is being developed at the request of electrical industry to cover vehicle-to-grid technology intended to provide bidirectional power flow, and allow the electric cars battery to become a storage unit. It will provide the industry with consistent manufacturing and safety performance of use of vehicle-to-grid technology.
This Standard covers Electric vehicle charging equipment with vehicle-to-grid function, bidirectional power transfer that could be installed in accordance with the Canadian Electrical Code Part I (CE Code Part I, C22.1) and the National Electrical Code (NEC), NFPA 70; and intended to assist in the management of the power flow from plug-in electric vehicle back to the grid in an effective and efficient manner. This standard will address electrical safety, interoperability of electric vehicle charging equipment with V2G function for a better grid support and communication between electric vehicles and grid.

CSA (CSA America Standards Inc.)

Contact: David Zimmerman; ansi.contact@csagroup.org
8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org

Addenda

BSR/CSA PRD 1-202x, Pressure Relief Devices For Natural Gas Vehicle (NGV) Fuel Containers (addenda to ANSI/PRD 1 -2020)

Stakeholders: Industry, manufacturers, consumers, certification agencies, emergency responders.
Project Need: Revise and update for safety.
This standard contains specifications for the materials, design, manufacture, and testing of pressure relief devices produced for use on NGV fuel containers. NGV fuel containers comply with the NGV2, FMVSS304, and/or CSA B51 Part 2 standards, as appropriate.

ESTA (Entertainment Services and Technology Association)

Contact: Richard Nix; standards@esta.org
271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 www.esta.org

Revision

BSR E1.6-5-202x, Selection and Use of Portable Controls for Fixed-Speed Electric Chain Hoists in the Entertainment Industry (revision and partition of ANSI E1.6-4-2013)

Stakeholders: Powered rigging system manufacturers, designers, installers, specifiers, users, and owners.
Project Need: Help streamline the BSR E1.6-4 scope, and alleviate duplication of efforts in a new standard, as each is updated to remain current with dynamic changes in technology.
BSR E1.6-5 takes the selection and use aspects of portable control systems used for fixed speed electric chain hoists out of the existing BSR E1.6-4 draft, and places those aspects under the purview of a new partition of the E1.6 suite of standards. The Design, Manufacture, and Inspection aspects of portable control systems will remain under the purview of BSR E1.6-4

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

Contact: Rachel Porter; comments@standards.incits.org
700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New Standard

INCITS 564-202x, Information technology - Persistent Memory over Fibre Channel (FC-PM) (new standard)

Stakeholders: ICT industry.
Project Need: There is no current remote direct memory access semantics over Fibre Channel standard to address emerging technologies such as Persistent Memory.
This project proposal recommends the development of a standard for supporting Persistent Memory over Fibre Channel. Included within this scope are: (a) Additions as needed for development of FC-PM; and (b) Any other item as deemed necessary during the development.

RIC (Remanufacturing Industries Council)

Contact: Michelle Hayes; mhayes@remancouncil.org
1335 Jefferson Rd. #20157, Rochester, NY 14602 www.remancouncil.org

Revision

BSR/RIC 001.1-202x, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)

Stakeholders: The 12 recognized sectors of remanufacturing are: aerospace, automotive, electrical apparatus, consumer products, restaurant equipment, heavy duty & off-road equipment, information technology products, locomotives, machinery, medical devices, office furniture, and retreaded tires.
Project Need: There are many reprocessing terms that are often used interchangeably, notably reconditioning, refurbishing, and remanufacturing. This standard defines the process of remanufacturing to establish it as the most rigorous of these processes. In addition, there are 12 recognized sectors of remanufacturing. This standard ensures that all of the sectors are able to speak a common language and follow the same steps, regardless of what products they are remanufacturing.
Define and provide the benchmark for the process of remanufacturing; enhance the understanding and grow the credibility of the remanufacturing industry; establish specifications or elements that characterize the remanufacturing process and differentiate it from other practices; promote continual improvement in the remanufacturing industry and ensure that the products provided to customers are dependable and of a consistent high quality.
NOTE: RIC will hold a webinar on Thursday, October 15th at 3:00 pm EDT to review the standards development process and open the application for Consensus Body membership. Information is available at remancouncil.org.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: November 8, 2020

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 p: (202) 830-1110 w: www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2018)

This standard specifies practices, minimum requirements, and general guidance for mitigation of radon in existing schools and large buildings including both low-rise and high-rise schools and large buildings.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 p: (202) 830-1110 w: www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2018)

This standard specifies practices, minimum requirements, and general guidance for mitigation of radon in existing multifamily buildings including both low-rise and high-rise multifamily buildings.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 p: (202) 830-1110 w: www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards in Existing Homes (revision of ANSI/AARST SGM-SF-2017)

SGM-SF specifies practices, minimum requirements and general guidance for reducing soil gas entry into existing homes in order to mitigate occupant exposures to certain hazardous soil gases, including radon gas, chemical vapors, and other hazardous gases.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: StandardsAssist@gmail.com

Comment Deadline: November 8, 2020

Home Innovation (Home Innovation Research Labs)

400 Prince George's Boulevard, Upper Marlboro, MD 20774-8731 p: (267) 408-6030 w: www.HomeInnovation.com

Revision

BSR Z765-202x, Square Footage - Method for Calculating (revision of ANSI Z765-2003 (R2013))

This standard describes the procedures to be followed in measuring and calculating the square footage of detached and attached single-family houses.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: https://www.homeinnovation.com/z765

NSF (NSF International)

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

Revision

BSR/NSF 4-202x (i25r3), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)

Equipment covered by this Standard includes, but is not limited to, ranges, ovens, fat/oil fryers, fat/oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water-heating equipment, proofing boxes and cabinets, hot food holding equipment, rethermalization equipment, and hot food transport cabinets.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 59-202x (i9r1), Mobile Food Carts (revision of ANSI/NSF 59-2017)

This Standard contains requirements for mobile food carts and their related components and materials. This Standard applies to mobile food carts intended for the preparation and service of food, as well those intended for service of prepackaged food only.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i21r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: November 8, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 330-202x (i11r2), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2019)

This Standard establishes definitions for drinking water treatment units and related components.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i160r5), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 5800-202x, Standard for Safety for Battery Fire Containment Products (new standard)

This proposal for UL 5800 covers: (1) The first edition of the Standard for Safety for Battery Fire Containment Products, UL 5800, including applicable requirements for Canada. The Standard provides fire test and performance criteria to evaluate fire containment products intended for a battery-powered portable electronic device (PED). These fire containment products are intended to be used in inhabited aircraft compartments.

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)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4297 w: https://ul.org/

Revision

BSR/UL 44-202X, Standard for Safety for Thermoset-Insulated Wires and Cables (revision of ANSI/UL 44-2018)

Modification of Requirements for Conductor Stranding Marking on Product, Revised 6.1.5 and New Table 49.

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)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4417 61017 w: https://ul.org/

Revision

BSR/UL 144-202x, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2019)

The following is being proposed: Joint Standard for Safety for LP-Gas Regulators, Bi-National Standard UL 144, using ANSI/UL 144:2019 and ULC/ORD-C144.

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: November 8, 2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

BSR/UL 414-202x, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2020)

This proposal for UL 414 covers revisions to dielectric test after short-circuit interruption test.

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)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: https://ul.org/

Revision

BSR/UL 875-202x, Standard for Safety for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2017)

The following topic is being proposed: (1) Replace UL 508C reference 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.

Comment Deadline: November 23, 2020

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 114-202x, Best Practice Recommendations for Internal Validation of Software Used in Forensic DNA Laboratories (new standard)

This best practice recommendation assists a laboratory in designing internal validation studies to evaluate the various software programs used in the forensic DNA laboratory. This guidance document applies to, but is not limited to the following: (a) Software used as a component, part, or accessory of instrumentation; (b) Software that impacts the chain of custody documentation; (c) Software that impacts the decision process and/or influences conclusions or reporting; and (d) Software created by the laboratory to assist with calculations and/or data transfers. To print: Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed 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

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8274 w: 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 60601-2-20:2020 and revision of ANSI/AAMI/IEC 60601-2-20-2009 (R2014))

Applies to the basic safety and essential performance of transport incubators. This standard does not apply to heating devices intended for physiotherapy, baby incubators, and radiant warmers.

Single copy price: Free
Obtain an electronic copy from: jmoyer@aami.org
Send comments (with optional copy to psa@ansi.org) to: Jennifer Moyer; jmoyer@aami.org

Comment Deadline: November 23, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: https://www.asabe.org/

Reaffirmation

BSR/ASABE S618 DEC2010 (R202x), Post Frame Building System Nomenclature (reaffirmation and redesignation of ANSI/ASABE S618 DEC2010 (R2016))

Nomenclature for all primary frame components (post types, trusses, headers, rafters, etc.), secondary framing components (girt types, purlin types, bracing, etc.), diaphragm and shear wall elements (fastener types, shear blocking, chords, wind frames, etc.), and foundation types (piers, poles, posts, walls, slabs, uplift mechanisms, etc.).

Single copy price: $68.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh (269) 757-1213 walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: walsh@asabe.org

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

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

Addenda

BSR/ASHRAE Addendum b to Standard 30-202x, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30 -2019)

This addendum changes “water” to “liquid” where applicable; clarifies requirements for ΔPadj; replaces reference to ASME and ISA standards with exclusive reference to ASHRAE 41 series standards; adds an Excel workbook to facilitate calculates in accordance with Table 6-2; and removes ft H20 from the standard.

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

New Standard

BSR/ASTM WK64558-202x, Guide for Evaluating Water Miscible Metalworking Fluid Foaming Tendency (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Reaffirmation

BSR/ASTM D2239-2017 (R202x), Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter (reaffirmation of ANSI/ASTM D2239-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 23, 2020

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Reaffirmation

BSR/ASTM D2464-2017 (R202x), Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (reaffirmation of ANSI/ASTM D2464-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Reaffirmation

BSR/ASTM D2737-2017 (R202x), Specification for Polyethylene (PE) Plastic Tubing (reaffirmation of ANSI/ASTM D2737-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Reaffirmation

BSR/ASTM F1498-2018 (R202x), Specification for Taper Pipe Threads 60 for Thermoplastic Pipe and Fittings (reaffirmation of ANSI/ASTM F1498-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM D2683-202x, Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing (revision of ANSI/ASTM D2683-2017)

https://www.astm.org/ANSI_SA

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Comment Deadline: November 23, 2020

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM D3035-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter (revision of ANSI/ASTM D3035-2017)

https://www.astm.org/ANSI_SA

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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM D3212-202x, Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (revision of ANSI/ASTM D3212-2017 (R2020))

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E601-202x, Guide for Measuring Electromotive Force (EMF) Stability of Base-Metal Thermoelement Materials with Time in Air (revision of ANSI/ASTM E601-2017)

https://www.astm.org/ANSI_SA

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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E1159-202x, Specification for Thermocouple Materials, Platinum-Rhodium Alloys, and Platinum (revision of ANSI/ASTM E1159-2017)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E1751-202x, Guide for Temperature Electromotive Force (EMF) Tables for Non-Letter Designated Thermocouple Combinations (revision of ANSI/ASTM E1751-2017)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F714-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2018 (R2019))

https://www.astm.org/ANSI_SA

Single copy price: Free
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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F876-202x, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free
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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F1733-202x, Specification for Butt Heat Fusion Polyamide (PA) Plastic Fitting for Polyamide (PA) Plastic Pipe and Tubing (revision of ANSI/ASTM F1733-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free
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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F1960-202x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2019)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2159-202x, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Crosslinked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2019)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2620-202x, Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings (revision of ANSI/ASTM F2620-2019)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2735-202x, Specification for Plastic Insert Fittings for SDR9 Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2735-2018)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2854-202x, Specification for Push-Fit Crosslinked Polyethylene (PEX) Mechanical Fittings for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F2854-2016)

https://www.astm.org/ANSI_SA

Single copy price: Free
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Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F3348-202x, Specification for Plastic Press Insert Fittings with Factory-Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F3348-2020A)

https://www.astm.org/ANSI_SA

Single copy price: Free
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Order from: Laura Klineburger (610) 832-9744 accreditation@astm.org
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AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 w: www.aws.org

Addenda

BSR/AWS B4.0, AMD1-202x, Standard Methods for Mechanical Testing of Welds (addenda to ANSI/AWS B4.0-2016)

Mechanical test methods that are applicable to welds and welded joints are described. For each testing method, information is provided concerning applicable American National Standards Institute (ANSI), American Society for Testing and Materials (ASTM), and American Petroleum Institute (API) documents; the required testing apparatus, specimen preparation, procedure to be followed, and report requirements are also described.

Single copy price: $64.00
Obtain an electronic copy from: steveh@aws.org
Order from: Stephen Hedrick (305) 443-9353 steveh@aws.org
Send comments (with optional copy to psa@ansi.org) to: pportela@aws.org

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 310 w: www.aws.org

Revision

BSR/AWS C6.2/C6.2M-202x, Specification for Rotary Friction Welding (revision of ANSI/AWS C6.2/C6.2M-2006)

This specification provides for the qualification of friction welding machines, procedures, and training of welding operators. Qualification of the welding procedure specification (WPS) includes the material specifications involved, weld joint design, destructive and nondestructive examination requirements, as well as guidelines for different categories of quality assurance. Qualification of welding equipment includes weld parameter control and weld reproducibility. Welding operators require training in the proper operation of friction welding equipment. The requirements for requalification of the WPS and equipment are also given.

Single copy price: $34.00
Obtain an electronic copy from: mdiaz@aws.org
Order from: Mario Diaz (305) 443-9353 310 mdiaz@aws.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 23, 2020

HIBCC (Health Industry Business Communications Council)

2525 E. Arizona Biltmore Circle Ste. 127, Phoenix, AZ 85016 p: (602) 381-1091 101 w: www.hibcc.org

New Standard

BSR/HIBC PAS 1.4-202x, The Health Industry Bar Code (HIBC) Provider Applications Standard PAS 1.4 (new standard)

Specifies the minimum requirements and optional structures for the machine-readable identification for health industry applications. Provides guidance for the formatting and placement of data presented in linear bar code, two-dimensional symbol or human-readable format. Makes recommendations as to label placement, size, material, and the inclusion of free text and any appropriate graphics.

Single copy price: Free
Order from: allisonmehr@hibcc.org
Send comments (with optional copy to psa@ansi.org) to: allisonmehr@hibcc.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (909) 519-0740 w: www.asse-plumbing.org

New Standard

BSR/ASSE 1003-202x, Performance Requirements for Water Pressure Reducing Valves for Potable Water Distribution Systems (new standard)

The purpose of a water-pressure reducing valve for domestic water distribution systems (referred to in this standard as the "device") is to reduce static and flowing pressures in water distribution systems. Devices covered by this standard are self-contained, direct-acting, single diaphragm types.

Single copy price: Free
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR C136.47-2010 (S202x), Steel Roadway and Area Lighting Poles (stabilized maintenance of ANSI C136.47-2010 (R2015))

This standard applies to steel lighting poles. This standard includes nomenclature, dimensional data, performance criteria, and some interchangeability features for standard poles as well as those that must meet breakaway requirements for poles as described in Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, AASHTO LTS.

Single copy price: $76.00
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

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Reaffirmation

BSR/NEMA HP 9-2014 (R202x), Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V) (reaffirmation of ANSI/NEMA HP 9-2014)

This Standards Publication covers specific requirements for Ethylene-Propylene Diene Elastomer (EPDM) insulated solid and stranded wire, designed to the internal wiring of high-reliability electrical and electronic equipment. It addresses 600-V (Type EP) and 5000-V (Type EPD) wire and permits continuous conductor temperature ratings of -25°C to +125°C with tin-coated conductors.

Single copy price: $106.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri (703) 841-3278 Khaled.Masri@nema.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 23, 2020

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Revision

BSR/NEMA HP 3-202x, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)

This standards publication covers specific requirements for PTFE (polytetrafluoroethylene)-insulated solid and stranded wire designed for the internal wiring of high reliability electrical and electronic equipment. This Standards Publication addresses 250-volt (Type ET), 600-volt (Type E), and 1000-volt (Type EE) wire and permits continuous conductor temperature ratings of -65°C to +200°C with silver-coated conductors and -65°C to +260°C with nickel-coated conductors.

Single copy price: $120.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri (703) 841-3278 Khaled.Masri@nema.org
Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Revision

BSR/NEMA HP 4-202x, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (revision of ANSI/NEMA HP 4-2012)

This standards publication covers specific requirements for FEP (Fluorinated Ethylene Propylene)-insulated solid and stranded wire, designed for the internal wiring of high-reliability electrical and electronic equipment. This standards publication addresses 250-volt (type KT), 600-volt (type K), and 1000-volt (type KK) wire and permits continuous conductor temperature ratings of -65°C to +200°C with silver-coated or nickel-coated conductors and -65°C to +150°C with tin-coated conductors.

Single copy price: $120.00
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Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C80) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

Revision

BSR C80.1-202x, Electric Rigid Steel Conduit (revision of ANSI C80.1-2015)

Establishes the requirements for electrical rigid steel conduit for use as a raceway for wires or cables of an electrical system. Raceway systems (conduit, fittings, and enclosures) are relied upon to provide mechanical protection for circuit conductors and to carry potentially dangerous fault currents.

Single copy price: $84.00
Obtain an electronic copy from: kezhen.shen@nema.org
Order from: Kezhen Shen (703) 841-3288 Kezhen.Shen@nema.org
Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C80) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

Revision

BSR C80.3-202x, Electrical Metallic Tubing Steel (EMT-S) (revision of ANSI C80.3-2015)

This standard covers the requirements for steel electrical metallic tubing, for use as a raceway for wires or cables of an electrical system. Finished tubing is typically furnished in nominal 10-ft (3.05-m) lengths. It is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (see UL 797 for alternate corrosion protection coating requirements) and on the interior surface with zinc or organic coating.

Single copy price: $76.00
Obtain an electronic copy from: kezhen.shen@nema.org
Order from: Kezhen Shen (703) 841-3288 Kezhen.Shen@nema.org
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Comment Deadline: November 23, 2020

NEMA (ASC C80) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

Revision

BSR C80.5-202x, Electrical Rigid Metal Conduit Aluminum (ERMC-A) (revision of ANSI C80.5-2015)

This Standard covers the requirements for porthole-extruded aluminum-alloy conduit for use as a raceway for the wires or cables of an electrical system. The finished conduit is produced in nominal 10-ft. (3.05-m) lengths, threaded on each end with one coupling attached.

Single copy price: $76.00
Obtain an electronic copy from: kezhen.shen@nema.org
Order from: Kezhen Shen (703) 841-3288 Kezhen.Shen@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 p: (734) 827-3817 w: www.nsf.org

Revision

BSR/NSF 49-202x (i141r3), 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/55815/49i141r3%20-%20Definitions%20Update%20-%20JC%20memo%20and%20ballot.pdf
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i153r2), 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/55481/49i153r2%20-%20Airflow%20Smoke%20Patterns%20-%20JC%20memo%20%26%20Ballot.pdf
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

Comment Deadline: November 23, 2020

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 p: (202) 974-5217 w: www.plasticsindustry.org

Revision

BSR/PLASTICS B151.27-202X, Safety Requirements for Robot / Injection Molding Machine Systems (revision and redesignation of ANSI/SPI B151.27-2013)

This standard specifies the safety requirements for the design, implementation, set-up, operation, maintenance, and modification of robot / Injection Molding Machine (IMM) systems. A robot / IMM system is comprised of a robot system(s) operating within the volume of the mold areas guarding of an IMM.

Single copy price: Free
Obtain an electronic copy from: jjones@plasticsindustry.org
Send comments (with optional copy to psa@ansi.org) to: jjones@plasticsindustry.org

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 p: (781) 647-7026 w: www.spri.org

Revision

BSR/SPRI IA-1-202x, Standard Field Test Procedure for Determining the Uplift Resistance of Insulation and Insulation Adhesives over Various Substrates (revision of ANSI/SPRI IA-1-2015)

This Standard specifies a field-testing procedure to determine the compatibility of a specific roof substrate, insulation or coverboard, and adhesive combination. This testing procedure encompasses various types of insulation adhesives, substrates, and insulations. The Standard will not be submitted for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

Single copy price: Free
Obtain an electronic copy from: info@spri.org
Order from: Linda King (781) 647-7026 info@spri.org
Send comments (with optional copy to psa@ansi.org) to: Same

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1993-202x, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993-2018)

This proposal for UL 1993 covers: (3) Proposed evaluation of tack-soldered electrical connections; (4) Proposed drop impact test determination for severely damaged lamps; (15) Proposed addition of Supplement SE - Special Use Lamps; (17) Proposed new test, construction, and marking requirements for LED lamps with integral rechargeable batteries.

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: December 8, 2020

UL (Underwriters Laboratories)

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

Revision

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

BSR/UL 60335-2-67-202x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-67: Particular Requirements for Floor Treatment Machines, for Commercial Use (revision of ANSI/UL 60335-2-67-2017)

This International Standard deals with the safety of powered floor-treatment machines intended for commercial indoor or outdoor use for the following applications:
- scrubbing;
- wet or dry pick-up;
- polishing and dry buffing;
- application of wax, sealing products and powder-based detergents;
- shampooing; and
- stripping, grinding and scarifying of floors with an artificial surface.

Their cleaning motion is more lateral or periodic than linear.

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

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.

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

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

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

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

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

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

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

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

Reaffirmation

ANSI/AHRI Standard 901 (SI)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 901 (SI)-2015): 9/24/2020

API (American Petroleum Institute)

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

Reaffirmation

ANSI/API RP 13M-4/ISO 13503-4-2006 (R2020), 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): 9/22/2020

API (American Petroleum Institute)

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

Reaffirmation

ANSI/API RP 13I/ISO 10416-2008 (R2020), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation of ANSI/API RP 13I/ISO 10416-2008): 9/22/2020

API (American Petroleum Institute)

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

Reaffirmation

ANSI/API RP 19D/ISO 13503-5-2007 (R2020), Measuring the Long-Term Conductivity of Proppants, 1st Edition (reaffirmation of ANSI/API RP 19D/ISO 13503-5-2007): 9/22/2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

ANSI/ASME B31.3-2020, Process Piping (revision of ANSI/ASME B31.3-2018): 9/29/2020

* BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 p: (202) 326-6338 w: www.boma.org

Revision

ANSI/BOMA Z65.1-2017, BOMA 2017 for Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2010): 9/12/2017

* CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

Revision

ANSI/CTA 2042.1-C-2020, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015): 9/22/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: https://dentalstandardsinstitute.com/

New Standard

ANSI/DSI MST1.1-2020, Definitions of Terms In Dental Metrics (new standard): 9/24/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: https://dentalstandardsinstitute.com/

New Standard

ANSI/DSI VRST1.1-2020, Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard): 9/24/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-75B-2020, Lightning Strike Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-75A-2009 (R2015)): 9/28/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-80A-2020, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-80-2015): 9/28/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

New Standard

ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard): 9/23/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

Revision

ANSI/FCI 99-1-2020, Standard for Performance Testing of Secondary Pressure Drainers (revision of ANSI/FCI 99-1-2014): 9/24/2020

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

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

Revision

ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (revision of ANSI/ASSE 1008-2019): 9/23/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO 19136-1:2020 [2020], Geographic Information - Geography Markup Language (GML) - Part 1: Fundamentals (identical national adoption of ISO 19136-1:2020 and revision of INCITS/ISO/IEC 19136:2007 [R2015]): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 11770-4:2017/AM 1:2019 [2020], 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/Amd1:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 18033-6:2019 [2020], IT Security techniques - Encryption algorithms - Part 6: Homomorphic encryption (identical national adoption of ISO/IEC 18033-6:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 19086-4:2019 [2020], 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): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 20071-11:2019 [2020], Information Technology - User Interface Component Accessibility - Part 11: Guidance on Text Alternatives for Images (identical national adoption of ISO/IEC 20071-11:2019): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-6:2019 [2020], Information technology - Lightweight cryptography - Part 6: Message authentication codes (MACs) (identical national adoption of ISO/IEC 29192-6:2019): 9/28/2020

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

New National Adoption
INCITS/ISO/IEC 29192-7:2019 [2020], Information security - Lightweight cryptography - Part 7: Broadcast authentication protocols (identical national adoption of ISO/IEC 29192-7:2019): 9/28/2020

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

New National Adoption
INCITS/ISO/IEC 29794-4:2017 [2020], Information Technology - Biometric Sample Quality - Part 4: Finger Image Data (identical national adoption of ISO/IEC 29794-4:2017): 9/24/2020

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

New National Adoption
INCITS/ISO/IEC 7810:2019 [2020], Identification Cards - Physical Characteristics (identical national adoption of ISO/IEC 7810:2019 and revision of INCITS/ISO/IEC 7810:2003 [R2018]): 9/24/2020

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

New National Adoption
INCITS/ISO/IEC 27019:2017 [2020], Information technology - Security techniques - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2017): 9/28/2020

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

New National Adoption
INCITS/ISO/IEC 27102:2019 [2020], Information security management - Guidelines for cyber-insurance (identical national adoption of ISO/IEC 27102:2019): 9/28/2020

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

New Standard
INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4) (new standard): 9/28/2020

NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3234 w: www.nema.org

Revision
ANSI C136.34-2020, Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014): 9/22/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.LL3-2003 (S2020), Electric Lamps - Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.379-2006 (S2020), Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.390-2006 (S2020), Electric Lamps- Method of Designation for Electric Lamps - Miniature and Sealed-Beam Incandescent Lamps (stabilized maintenance of ANSI C78.390-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.LL1256-2003 (S2020), Electric Lamps - Procedures for Fluorescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL1256-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1406-2004 (S2020), Electric Lamps - P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1407-2004 (S2020), Electric Lamps - Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1408-2004 (S2020), Electric Lamps - CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1452-2004 (S2020), Electric Lamps - Projection Lamps - Vocabulary (stabilized maintenance of ANSI C78.1452 -2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance
ANSI C78.1460-2004 (S2020), 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)): 9/28/2020

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Reaffirmation

ANSI/NEMA WC 61-1992 (R2020), Transfer Impedance Testing (reaffirmation of ANSI/NEMA WC 61-1992 (R2015)): 9/22/2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

New National Adoption

ANSI/NEMA/IEC 60529-2020, Degrees of Protection Provided by Enclosures (IP Code) (identical national adoption of IEC 60529:1989/AMD2:2013/COR1:2019 and revision of ANSI/IEC 60529-2004 (R2011)): 9/23/2020

NSF (NSF International)

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

Revision

ANSI/NSF 46-2020 (i34r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2018): 9/20/2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

ANSI/UL 414-2020a, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2020): 9/23/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: https://ul.org/

Revision

ANSI/UL 1180-2020, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180 -2017): 9/28/2020

UL (Underwriters Laboratories)

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

Revision

ANSI/UL 2200-2020, Standard for Safety for Stationary Engine Generator Assemblies (9-20-19 and 5-1-20) (revision of ANSI/UL 2200-2015): 9/29/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: https://ul.org/

Revision

ANSI/UL 2416-2020, Standard for Safety for Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems (revision of ANSI/UL 2416-2019): 9/28/2020

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Alexandria, VA 22314 p: 585-387-9913 w: www.z80asc.com

Reaffirmation

ANSI Z80.29-2015 (R2020), Ophthalmics - Accomodative Intraocular Lenses (reaffirmation of ANSI Z80.29-2015): 9/28/2020

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- **AAMI (Association for the Advancement of Medical Instrumentation)**
- **AARST (American Association of Radon Scientists and Technologists)**
- **AGA (American Gas Association)**
- **AGSC (Auto Glass Safety Council)**
- **ASC X9 (Accredited Standards Committee X9, Incorporated)**
- **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
- **ASME (American Society of Mechanical Engineers)**
- **ASTM (ASTM International)**
- **GBI (Green Building Initiative)**
- **HL7 (Health Level Seven)**
- **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 Standa Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

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)

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

BSR/AAMI/IEC 60601-2-19-202x, Medical Electrical Equipment - Part 2-19: Particular Requirements for the Basic Safety and Essential Performance of Infant Incubators (identical national adoption of IEC 60601-2 -19:2020 and revision of ANSI/AAMI/IEC 60601-2-19-2009 (R2014))

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 60601-2-20:2020 and revision of ANSI/AAMI/IEC 60601-2-20-2009 (R2014))

BSR/AAMI/IEC 60601-2-21-202x, Medical Electrical Equipment - Part 2-21: Particular Requirements for the Basic Safety and Essential Performance of Infant Radiant Warmers (identical national adoption of IEC 60601 -2-21 and revision of ANSI/AAMI/IEC 60601-2-21-2009 (R2014))

BSR/AAMI/IEC 60601-2-50-202x, Medical Electrical Equipment - Part 2-50: Particular Requirements for the Basic Safety and Essential Performance of Infant Phototherapy Equipment (identical national adoption of IEC 60601-2-50:2020 and revision of ANSI/AAMI/IEC 60601-2-50-2009 (R2014))

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org
CONTACT: Terrell Henry; ansibox@asme.org

BSR/ASME HR-1-202x, Power Generating Facilities: Continuous Power Output and Heat Rate (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org
CONTACT: Rachel Porter; comments@standards.incits.org

INCITS 564-202x, Information technology - Persistent Memory over Fibre Channel (FC-PM) (new standard)

NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3234 w: www.nema.org
CONTACT: David Richmond; David.Richmond@nema.org

BSR C136.47-2010 (S202x), Steel Roadway and Area Lighting Poles (stabilized maintenance of ANSI C136.47 -2010 (R2015))

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org
CONTACT: Khaled Masri; Khaled.Masri@nema.org

BSR NEMA HP 4-202x, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (revision of ANSI/NEMA HP 4-2012)

BSR/NEMA HP 3-202x, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)

BSR/NEMA HP 9-2014 (R202x), Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V) (reaffirmation of ANSI/NEMA HP 9-2014)

NSF (NSF International)

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

BSR/NSF 4-202x (i25r3), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)

BSR/NSF 49-202x (i141r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

BSR/NSF 49-202x (i153r2), NSF 49-20XX: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

BSR/NSF 59-202x (i9r1), Mobile Food Carts (revision of ANSI/NSF 59-2017)

NSF (NSF International)

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

BSR/NSF 245-202x (i21r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

BSR/NSF/CAN 50-202x (i160r5), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org
CONTACT: Monica Leslie; mleslie@nsf.org

BSR/NSF 330-202x (i11r2), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2019)

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 p: (202) 974-5217 w: www.plasticsindustry.org
CONTACT: Jennifer Jones; jjones@plasticsindustry.org

BSR/PLASTICS B151.27-202X, Safety Requirements for Robot / Injection Molding Machine Systems (revision and redesignation of ANSI/SPI B151.27-2013)

RIC (Remanufacturing Industries Council)

1335 Jefferson Rd. #20157, Rochester, NY 14602 p: (585) 380-8040 w: www.remancouncil.org
CONTACT: Michelle Hayes; mhayes@remancouncil.org

BSR/RIC 001.1-202x, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)

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.

ANSI Accredited Standards Developer

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

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.
The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially 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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

WMMA (ASC O1) (Wood Machinery Manufacturers of America)

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:

- o General Interest
- o Government
- o Producer
- o User

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

Provisional ANS

The following actions are in accordance with the ANSI Essential Requirements: Annex B: Procedures for the Development of a Provisional American National Standard (ANS) or a Provisional Amendment to an ANS.

Withdrawal of Provisional ANS

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI HIT1000-1(PS):2018

AAMI published a Provisional Standard (PS), AAMI HIT1000-1(PS):2018, Safety and effectiveness of health IT software and systems—Part 1: Fundamental concepts, principles, and requirements on 5 October 2018. A related proposed American National Standard (ANS) is presently available for Public Review (see September 25, 2020 issue of Standards Action) and will replace this Provisional Standard.

This withdrawal is announced as a Provisional Standard, as defined in Annex B of the ANSI Essential Requirements, may only exist for up to two years. Questions? Emily Hoefer, EHoefer@aami.org

American National Standards (ANS)

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 proceduresare revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related linkis www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical

Report: https://www.ansi.org/portal/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, please email us at: 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

ANSI-Accredited Standards Developers Contacts

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
p: (719) 453-1036
www.aafs.org

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

AARST
American Association of Radon Scientists and Technologists
527 Justice Street
Hendersonville, NC 28739
p: (202) 830-1110
www.aarst.org

ABYC
American Boat and Yacht Council
613 Third Street
Suite 10
Annapolis, MD 21403
p: (410) 990-4460
www.abycinc.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
p: (269) 757-1213
https://www.asabe.org/

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
p: (404) 636-8400
www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
p: (212) 591-8489
www.asme.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
p: (847) 768-3411
www.assp.org

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

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
p: (305) 443-9353 305
www.aws.org

BPI
Building Performance Institute
107 Hermes Road
Suite 110
Malta, NY 12020
p: (877) 274-1274
www.bpi.org

CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
p: (216) 524-4990
www.csagroup.org

ESTA
Entertainment Services and Technology Association
271 Cadman Plaza
P.O. Box 23200
Brooklyn, NY 11202-3200
p: (212) 244-1505
www.esta.org

HIBCC
Health Industry Business Communications Council
2525 E. Arizona Biltmore Circle Ste. 127
Phoenix, AZ 85016
p: (602) 381-1091 101
www.hibcc.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
p: (313) 550-2073 104
www.hl7.org

Home Innovation
Home Innovation Research Labs
400 Prince George's Boulevard
Upper Marlboro, MD 20774-8731
p: (267) 408-6030
www.HomeInnovation.com

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
p: (909) 519-0740
www.asse-plumbing.org

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

NEMA (ASC C136)
National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
p: (703) 841-3234
www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers
Association
1300 North 17th Street
Rosslyn, VA 22209
p: (703) 841-3278
www.nema.org

NEMA (ASC C80)
National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Arlington, VA 22209
p: (703) 841-3288
www.nema.org

NSAA (ASC B77)
National Ski Areas Association
133 S Van Gordon Street
Suite 300
Lakewood, CO 80228
p: (720) 963-4210

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

PLASTICS
Plastics Industry Association
1425 K Street, NW
Suite 500
Washington, DC 20005
p: (202) 974-5217
www.plasticsindustry.org

RIC
Remanufacturing Industries Council
1335 Jefferson Rd. #20157
Rochester, NY 14602
p: (585) 380-8040
www.remancouncil.org

SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road
Suite 421
Waltham, MA 02452
p: (781) 647-7026
www.spri.org

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
p: (847) 664-1725
https://ul.org/

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

HL7 (Health Level Seven)

ANSI's Executive Standards Council has approved the reaccreditation of Health Level Seven International (HL7), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on HL7-sponsored American National Standards, effective October 8, 2020.

For additional information, please contact:
Ms. Karen Van Hentenryck, Associate Executive Director
Health Level Seven International
3300 Washtenaw Avenue, Suite 227; Ann Arbor, MI 48104;
phone: (734) 677-7777; email: Karenvan@hl7.org.

Public Review of Revised Operating Procedures

AGMA (American Gear Manufacturers Association)

Comment Deadline: November 9, 2020

The American Gear Manufacturers Association (AGMA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on AGMA-sponsored American National Standards, under which it was last reaccredited in 2015. 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: Mr. Amir Aboutaleb, Vice President, Technical Division, American Gear Manufacturers Association, 1001 N. Fairfax Street, 5th Floor, Alexandria, VA 22314 -1587; phone: 703.838.0053; email: aboutaleb@agma.org.

You may view/download a copy of the revisions during the public review period at the following URL: https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANS%20Accreditation%20Actions.

Please submit any public comments on the revised procedures to AGMA by November 9, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 266 – Biomimetics

Reply Deadline: November 20, 2020

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Germany (DIN), the ISO delegated Secretariat of ISO/TC 266 - Biomimetics, wishes to relinquish the role of the Secretariat.
ISO/TC 266 operates under the following scope:
Standardization in the field of biomimetics that includes but is not limited to methods and technologies in biomimetics such as biomimetic materials, processes and products, incorporating the most recent results of R&D projects.
Classification, definition and development of terminology in the field of biomimetics.
Description of the potentials and limitations of biomimetics as an innovation system or a sustainability strategy.
Description and standardization of methods in biomimetics, biomimetic materials, processes and products throughout their entire lifecycle.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 266. 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.

Note that currently ANSI is not a P-member of ISO/TC 266. A U.S. TAG would also need to be established in order for the U.S. to take on the Secretariat role.

Information concerning the United States forming a U.S. TAG and acquiring the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

ISO Proposal for a New Field of ISO Technical Activity

Ecological Restoration

Comment Deadline: November 20, 2020

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Ecological Restoration, with the following scope statement:
Standardization of all types and all sizes of ecological restoration projects, including their management, planning, implementation, monitoring, evaluation, and reporting.

Excluded:
• ISO/TC 82/SC7 (Mine closure and reclamation management)
Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, November 2020.
International

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

Call for Members (USNC)

International Electrotechncial Commission (IEC)

USNC TAG to IEC/TC 85 - Measuring equipment for electrical and electromagnetic quantities

The USNC TAG Officers for the USNC TAG to IEC/TC 85 would like to grow the membership of the TAG. Individuals who are interested in joining the USNC TAG to IEC/TC 85 are invited to contact Ade Gladstein at agladstein@ansi.org as soon as possible.

SCOPE: IEC/TC 85 – Measuring equipment for electrical and electromagnetic quantities:
To prepare international standards for equipment, systems, and methods used in the fields of measurement, test, recurrent test, monitoring, evaluation, generation and analysis of steady state and dynamic (including temporary and transients) electrical and electromagnetic quantities, as well as their calibrators.

Such equipment includes devices for testing the safety of power distribution systems and connected equipment, devices for monitoring the power distribution systems, electrical measuring transducers, signal generators, recorders together with their accessories.

NOTE: Product safety aspects are covered by TC 66.

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, 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; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

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

ACOUSTICS (TC 43)

ISO/DIS 13472-1, Acoustics - Measurement of sound absorption properties of road surfaces in situ - Part 1: Extended surface method - 11/9/2004, $93.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 13493, Meat and meat products - Determination of chloramphenicol content - Reference method - 12/19/2020, $62.00

ISO/DIS 23722, Meat and meat products - Basic terminology - 12/20/2020, $33.00

ISO/DIS 23781, Operating procedures of pig slaughtering - 12/18/2020, $40.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 23020, Space systems - Determination of test methods to characterize material or component properties required for break-up models used for Earth re-entry - 12/21/2020, $67.00

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

ISO 15874-3/DAmd2, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 2 - 12/21/2020, $46.00

ISO 15875-3/DAmd2, Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 2 - 12/21/2020, $46.00

ISO 15876-3/DAmd2, Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 2 - 12/21/2020, $46.00

ISO 15877-3/DAmd2, Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings - Amendment 2 - 12/20/2020, $67.00

ISO 21003-3/DAmd1, Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings - Amendment 1 - 12/21/2020, $46.00

ISO 22391-3/DAmd2, Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 2 - 12/21/2020, $46.00

RARE EARTH (TC 298)

ISO/DIS 23664, Traceability of rare earths in the supply chain from mine to separated products - 12/20/2020, $67.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 4568, Ships and marine technology - Sea-going vessels - Windlasses and anchor capstans - 12/21/2020, $58.00

ISO/DIS 23575, Ships and marine technology - Marine securing devices for ro-ro cargoes - 12/21/2020, $82.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 11738, Agricultural irrigation equipment - Control heads - 12/20/2020, $71.00

ISO/DIS 12934, Tractors and machinery for agriculture and forestry - Basic types - Vocabulary - 12/21/2020, $62.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 3834-1, Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements - 12/20/2020, $46.00

ISO/DIS 3834-5, Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 - 12/20/2020, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18014-2, Information security - Time-stamping services - Part 2: Mechanisms producing independent tokens - 12/21/2020, $82.00

ISO/IEC DIS 18033-1, Information security - Encryption algorithms - Part 1: General - 12/21/2020, $71.00

IEC Standards

CABPUB/187/CD, ISO/IEC CD 17060 Conformity assessment - Code of good practice, 10/16/2020

3/1457/CDV, IEC 60757 ED2: Code for designation of colours, 12/25/2020

10/1123/FDIS, IEC 62975 ED1: Natural esters - Guidelines for maintenance and use in electrical equipment, 11/13/2020

13/1818/DTR, IEC TR 62054-2 ED1: IEC TR 62054-31: Electricity metering (a.c.) - Tariff and load control - Part 31: Guide for safe application and protection of control switches controlled by electricity meters, 11/27/2020

21/1071/FDIS, IEC 62485-6 ED1: Safety requirements for secondary batteries and battery installations - Part 6: Safe operation of lithium-ion batteries in traction applications, 11/13/2020

21A/735/FDIS, IEC 63115-2 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 2: Safety, 11/13/2020

23B/1323A/CDV, IEC 60884-1/FRAG2 ED4: Plugs and socket-outlets for household and similar purposes - Part 1: General requirements, 12/18/2020

40/2769/CDV, IEC 60938-1 ED3: Fixed inductors for electromagnetic interference suppression - Part 1: Generic specification, 12/25/2020

40/2798/CD, IEC TR 60286-3-3 ED1: Packaging of components for automatic handling - Part 3-3: Packaging of surface mount components on continuous paper tapes for Auto Loading Feeder, 12/25/2020

40/2799/CD, IEC TR 60286-3-4 ED1: Packaging of components for automatic handling - Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder, 12/25/2020

45A/1357/DTR, IEC TR 63335 ED1: Nuclear Power Plants - Instrumentation and control systems, control-rooms and electrical power systems - Specific features of Small and Modular Reactors and needs regarding standards, 11/27/2020

46F/524/FDIS, IEC 63138-2 ED1: Multi-channel radio-frequency connectors - Part 2: Sectional specification for MQ4 series circular connectors, 11/13/2020

47F/364/CDV, IEC 62047-41 ED1: Semiconductor devices - Micro-electromechanical devices - Part 41: RF MEMS Circulators and Isolators, 12/25/2020

57/2261/CDV, IEC 61970-452 ED4: Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles, 12/25/2020

57/2275/DC, Revision of IEC 61970-302:2018 ED1, Energy management system application program interface (EMS-API) - Part 302: Common information model (CIM) dynamics, 11/13/2020

62B/1201(F)/FDIS, IEC 60522-1 ED1: Medical electrical equipment - Diagnostics X-rays - Part 1: Determination of quality equivalent filtration and permanent filtration, 10/16/2020

65E/755/NP, PNW TS 65E-755 ED1: Identification Link - Unambiguous biunique Machine-Readable Identification, 12/25/2020

69/723(F)/CDV, IEC 63110-1 ED1: Protocol for Management of Electric Vehicles charging and discharging infrastructures - Part 1: Basic Definitions, Use Cases and architectures, 11/27/2020

69/735/FDIS, IEC 61851-25 ED1: Electric vehicle conductive charging system - Part 25: DC EV supply equipment where protection relies on electrical separation, 11/13/2020

80/974/CD, IEC 62288 ED3: Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results, 11/27/2020

80/975/DPAS, IEC PAS 63343 ED1: Maritime navigation and radiocommunication equipment and systems - VHF data exchange system - Requirements and methods of testing for stations including ASM functionality, 11/27/2020

82/1804/DTS, IEC TS 63140 ED1: Photovoltaic (PV) modules - Partial shade endurance testing for monolithically integrated products, 12/25/2020

86B/4357/FDIS, IEC 61300-3-30 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-30: Examinations and measurements - Endface geometry of rectangular ferrule, 11/13/2020

86B/4359/CD, IEC 61300-3-45 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors, 12/25/2020

86B/4361/CD, IEC 61300-2-5 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion, 12/25/2020

94/480/CDV, IEC 62314 ED2: Solid-state relays, 12/25/2020

94/482(F)/FDIS, IEC 61810-4 ED1: Electromechanical elementary relays - Part 4: General and safety requirements for reed relays, 10/16/2020

100/3499/CD, IEC TR 63344 ED1: Multimedia systems - Haptics - Conceptual model of standardization, 11/27/2020

100/3500/NP, PNW 100-3500 ED1: Sound system equipment - Part 24: Headphones and earphones - Active acoustic noise cancelling characteristics, 12/25/2020

111/598/NP, PNW 111-598 ED1: Product category rules for life cycle assessment of electrical and electronic products and systems., 12/25/2020

112/505/CD, Electrical insulating materials - Thermal endurance properties - Part 7-2: Results of the round robin tests to validate procedures of IEC TS 60216-7-1 by non-isothermal kinetic analysis of thermogravimetric data, 12/25/2020

120/198A/CD, IEC 62933-1 ED2: Electrical energy storage (EES) systems - Part 1: Vocabulary, 11/20/2020

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

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 26825:2020, Anaesthetic and respiratory equipment - User-applied labels for syringes containing drugs used during anaesthesia - Colours, design and performance, $68.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO 21586:2020, Reference data for financial services - Specification for the description of banking products or services (BPoS), $209.00

ISO 13616-1:2020, Financial services - International bank account number (IBAN) - Part 1: Structure of the IBAN, $68.00

ISO 13616-2:2020, Financial services - International bank account number (IBAN) - Part 2: Role and responsibilities of the Registration Authority, $45.00

MATERIALS FOR THE PRODUCTION OF PRIMARY ALUMINIUM (TC 226)

ISO 22731:2020, Carbonaceous materials used in the production of aluminium - Cathode - Cathode abrasion testing, $45.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 20349-1/Amd1:2020, Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 1: Requirements and test methods for protection against risks in foundries - Amendment 1, $19.00

ISO 20349-2/Amd1:2020, Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes - Amendment 1, $19.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 12925-2:2020, Lubricants, industrial oils and related products (class L) - Family C (gears) - Part 2: Specifications of categories CKH, CKJ and CKM (lubricants open and semi-enclosed gear systems), $103.00

PLASTICS (TC 61)

ISO 22836:2020, Fibre-reinforced composites - Method for accelerated moisture absorption and supersaturated conditioning by moisture using sealed pressure vessel, $68.00

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

ISO 16486-2:2020, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes, $103.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 2302:2020, Isobutene-isoprene rubber (IIR) - Evaluation procedure, $68.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO 14411-2:2020, Preparation of particulate reference materials - Part 2: Polydisperse spherical particles, $103.00

SOIL QUALITY (TC 190)

ISO 23753-1/Amd1:2020, Soil quality - Determination of dehydrogenases activity in soils - Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1, $19.00

ISO 23753-2/Amd1:2020, Soil quality - Determination of dehydrogenases activity in soils - Part 2: Method using iodotetrazolium chloride (INT) - Amendment 1, $19.00

ISO 11063:2020, Soil quality - Direct extraction of soil DNA, $68.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO 17069:2020, Accessible design - Consideration and assistive products for accessible meeting, $103.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 23921:2020, Cigarettes - Determination of tobacco specific nitrosamines in mainstream cigarette smoke with an intense smoking regime - Method using LC-MS/MS, $103.00

ISO 23923:2020, Cigarettes - Determination of selected volatile organic compounds in the mainstream smoke of cigarettes with an intense smoking regime - Method using GC/MS, $103.00

ISO 23906-1:2020, Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke with an intense smoking regime using GC/MS - Part 1: Method using methanol as extraction solvent, $68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 23130:2020, Milking and cooling machine installations - Monitoring device for bulk milk cooling tanks - Requirements, $45.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 9455-5:2020, Soft soldering fluxes - Test methods - Part 5: Copper mirror test, $45.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

ISO/TS 16791:2020, Health informatics - Requirements for international machine-readable coding of medicinal product package identifiers, $185.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/TS 24667:2020, Sports and recreational facilities - Impact surfacing testing device, $45.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19989-1:2020, Information security - Criteria and methodology for security evaluation of biometric systems - Part 1: Framework, $209.00

ISO/IEC 19989-2:2020, Information security - Criteria and methodology for security evaluation of biometric systems - Part 2: Biometric recognition performance, $162.00

IEC Standards

(TC 2)

IEC 60034-11 Ed. 3.0 b:2020, Rotating electrical machines - Part 11: Thermal protection, $82.00

S+ IEC 60034-11 Ed. 3.0 en:2020 (Redline version), Rotating electrical machines - Part 11: Thermal protection, $107.00

Introduction for reviewers

Most proposed revisions for Sections 7, 8 and 9 were publicly reviewed recently regarding harmonized replacement of content for Sections 7, 8 and 9 in: SGM-SF 2017 *Soil Gas Mitigation Standards in Existing Homes*; RMS-MF 2018 *Radon Mitigation Standards for Multifamily Buildings*; and *Radon Mitigation Standards for Schools and Large Buildings*.

These standards are under review for harmonization in accordance with AARST's continuous maintenance procedures. As a result of additional work, the following additional improvements are proposed.

7.5.1 *Fan design*
9.4.3 *System equipment* (Labeling)

Introduction and rationale for changes in 7.5.1
Work both in committee and resulting from public review produced these improvements in clarity on safety requirements.

7.5 ASD Fan Installation Requirements

7.5.1 *Fan design*

ASD fans chosen shall be:

ASD fans chosen shall be:

a) designed for *continuous duty* ~~over a durable life span~~;
b) designed or otherwise sealed to reduce the potential for leakage of water and soil gas;
c) designed to allow rainwater or condensation from within *ASD* piping to pass through or around the fan when activated; and
d) listed by the manufacturer as appropriate for the class of contaminants being extracted and as manufactured with features that meet minimum safety standards [1], to include:

1. Thermal protection integral to the fan that prevents dangerous overheating of the motor;
2. Protection against electrical shock for fans mounted both on the interior and exterior of buildings that may include a fan installed in a weatherproof protective housing that results in a code compliant configuration; andZ
3. Other features that result in a safe fan installation, such as specified by codes where evaluations of chemicals in soil have indicated that gasses passing through the fan is corrosive or could result in a fire, explosion or serious personal injury.

Note—Fan models that are listed by the manufacturer as having ASD as one of their intended uses can aid in confidence when choosing products designed for ASD mitigation.

[1] As a point of reference, UL 507 Standard for Safety for Electrical Fans published by Underwriters Laboratories Inc., Northbrook, Illinois. ulstandards.ul.com

Introduction and rationale for changes in Section 9.4.3 (Labels)
The proposed revision below corrects a wider scope intended and addresses flexibility needed when control settings and instructions are too extensive for fitting on labels.

9.4.3 *System equipment*

System equipment shall be marked or identified with a label title that portrays the system purpose, such as "Radon Reduction System" or "Soil Gas Control System." The labeling shall also comply with requirements in a), b) and c) of this Section 9.4.3.

a) Mechanical Equipment

ASD fans and other system air handling and mechanical equipment shall be labeled.

b) System Monitors

The system monitoring device(s) shall be provided a label in close proximity to the mechanism, such as a primary label or other label, that includes:

1. Information on how to interpret the monitor; and
2. What to do if a monitor indicates fan failure or degraded fan performance; and

c) System Controls

Where systems include controls for any mechanical equipment, including dampers, system controls shall have a label on or in close proximity to the control mechanism. ~~General~~ Instructions for operation and control settings that existed at the time *mitigation* goals were achieved shall be marked or labeled on the equipment.

Exception: Where situations or detailed settings or instructions needed cause such a label to be impractical:

1. This information shall be provided in documentation provided to the client; and
2. The required label shall identify where this information, specific to the installation, can be found, such as "Radon (or Soil Gas) Mitigation System. See system specific instructions in the OM&M manual."

~~9.4.3 *System control labels*~~

~~Where systems include controls for any mechanical equipment, system controls shall have a label on or in close proximity to the control mechanism. In addition to a label title that portrays the system purpose, the label shall describe the purpose of the control(s) and general instructions for operation. System control settings shall be clearly marked to indicate the settings that existed at the time *mitigation* goals were achieved.~~

ANSI Z765-2020: Square Footage – Method for Calculating

ANSI Standard Revision Process

Public Comment Second Draft

September 28, 2020

This second draft is provided for the purpose of soliciting public comments on the changes to the 2020 ANSI Z765 Draft Standard (Public Comment Draft dated February 7, 2020). Both Draft Standards and other relevant information are posted at www.homeinnovation.com/Z765.

Those comments on the Public Comment Draft that were Approved or Approved as Modified by the Consensus Committee at their July 22, 2020 teleconference have been incorporated into this Second Draft Standard. Only the changes to the 2020 ANSI Z765 Standard Draft Standard (shown in underline and ~~strikethrough~~) are open for public comment. Any comments on any other provisions of the Standard that have not changed from the first Draft Standard will not be accepted as part of the 2020 revision cycle, they will be addressed in the next revision cycle. The existing language that has not been changed is shown only for the purpose of providing context for review of the changes

Public comments are accepted through **November 8, 2020** via a web-based form at https://www.homeinnovation.com/z765.

Note: The final draft of the revised Standard will be editorially reviewed for spelling, grammar, and format after all substantive changes have been approved by the Consensus Committee.

2.2 Finished Area

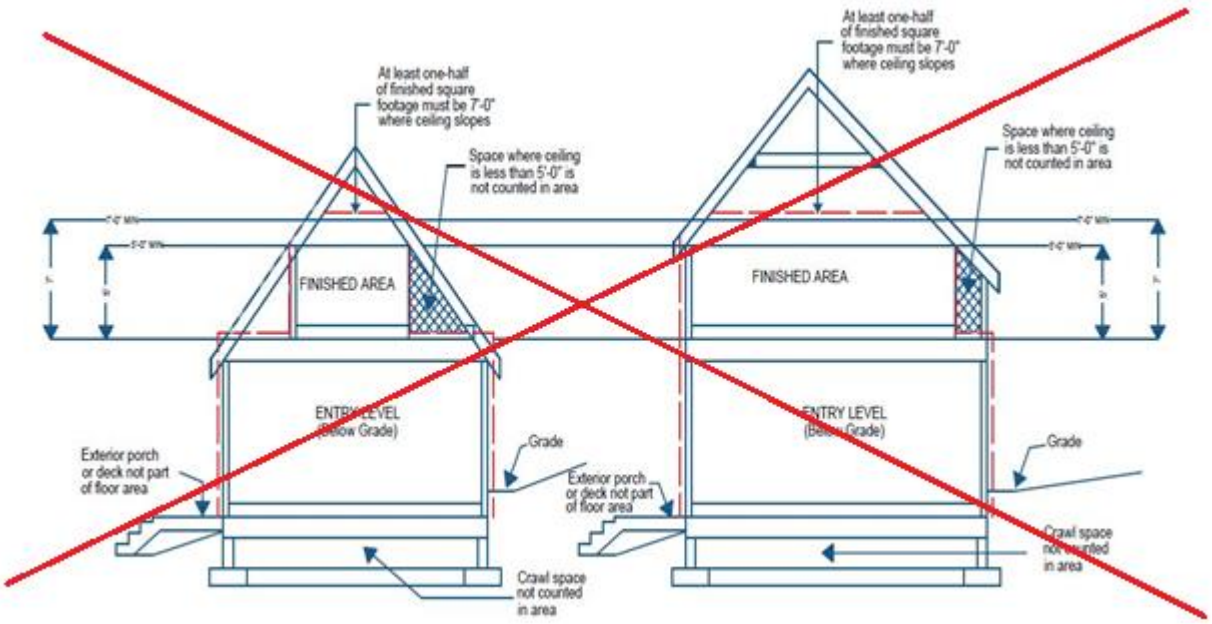
An enclosed area in a house that is suitable for year-round use based upon its geographic region ~~location~~, embodying walls, floors, and ceilings that are similar to the rest of the house.

Commentary

A common construction practice is to provide a floor opening for stairs that is the same size as the stairs themselves. Therefore, the area of stairs included in finished square footage is typically equal to the area of the opening in the floor. For example, a two-story, 28 by 42 foot house embodies 1,176 finished square feet on the first level and 1,176 finished square feet on the second level, provided that all areas are finished and the opening in the floor of the second level does not exceed the area of the stair treads. Further, stairs that descend to an unfinished basement are included in the finished square footage of the first level regardless of the degree of finish of the stairs or the degree of finish of the area around the stairs. Finished stairs suitable for year round use ascending to an unfinished upper area are included in the square footage calculation of the floor from which they descend. In addition, areas beneath stairs are included in the finished square footage regardless of the distance between the stairs and the floor below or of the degree of finish of that area.

Commentary

Staff Note: Replace Figure 5 in Draft Standard with the following:



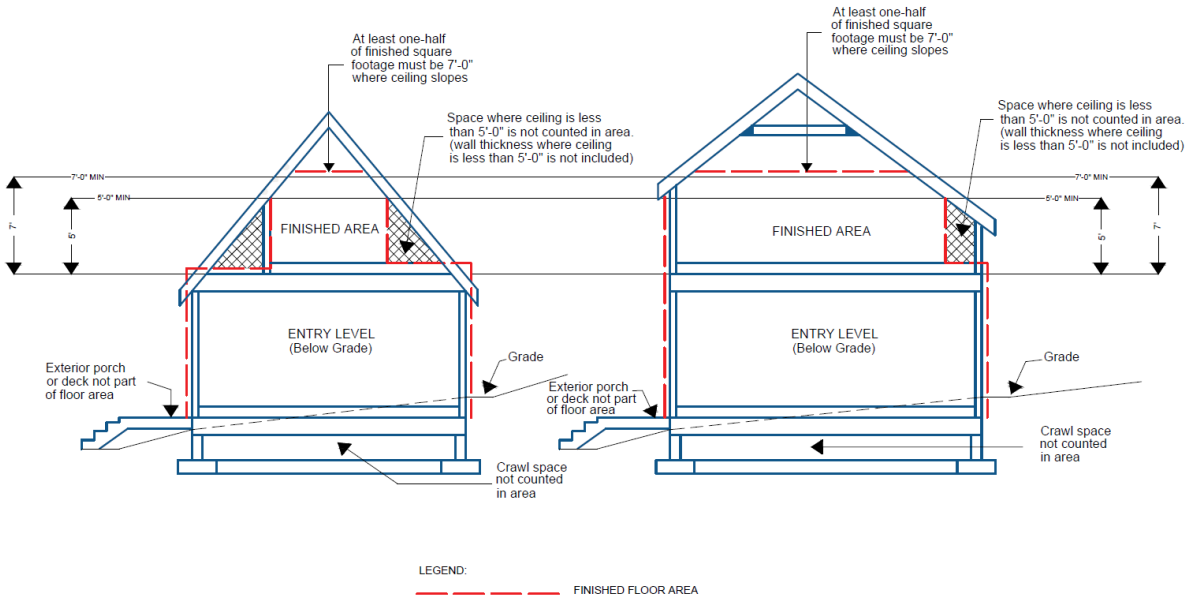


FIGURE 5.
Building Section

Tracking Number 4i25r3
© 2020 NSF

Revision to NSF/ANSI 4 – 2019
Issue 25, Revision 3 (September 2020)

[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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI International Standard
for Food Equipment —

Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment

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5 Design and construction

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5.48 Food warming equipment

Food warming equipment intended solely for the display of foods that are not potentially hazardous shall have a permanently attached label that states:

Not for the storage or display of potentially hazardous foods.

The label shall be clearly visible to the user after installation of the equipment.

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6 Performance

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6.1.2.5 This test does not apply to food warming equipment intended solely for the display of foods that do not require temperature control for safety as detailed in 5.48.

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6.2.2.4 This test does not apply to food warming equipment intended solely for the display of foods that do not require temperature control for safety as detailed in 5.48.

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6.7.2.4 This test does not apply to food warming equipment intended solely for the display of foods that do not require temperature control for safety as detailed in 5.48.

***Rationale**: The intention behind the recently added 5.48, Food warming equipment, is for equipment intended for holding non-potentially hazardous foods where the name of the product alone was not sufficient to convey this intention (e.g., food warmer instead of popcorn warmer, pretzel warmer, etc.), then a marking could be applied to instruct the user that the appliance is "Not for the storage or display of potentially hazardous foods." The proposed revision further clarifies that food warming equipment is exempt from performance testing that would otherwise be required by 6.1, 6.2, and/or 6.7.*

[Note – the recommended changes to the standards 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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF International Standard /
American National Standard –

Mobile Food Carts

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5 Design and construction

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5.1.3 Food zones shall be readily accessible and easily cleanable or shall be designed for ~~in-place cleaning~~ CIP when a readily accessible design is not feasible.

5.1.4 Food zones for which ~~in-place cleaning~~ CIP is intended shall be designed and manufactured so that cleaning and sanitizing solutions may be circulated or passed throughout the fixed system. The design shall ensure that cleaning and sanitizing solutions contact all food contact surfaces. The system shall be self-draining or capable of being completely evacuated. Equipment and appurtenances designed for ~~in-place cleaning~~ CIP shall have a section of the cleaned area accessible for inspection or shall provide for other acceptable inspection methods. The manufacturer shall provide written instructions for the cleaning and sanitizing of all food zone surfaces for which ~~in-place cleaning~~ CIP is intended. The type and concentration of sanitizing agent recommended in the instructions by the manufacturer shall comply with 40 CFR §180.940.**Error! Bookmark not defined.**

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6 Performance

6.1 Cleaning and sanitization procedures

6.1.1 Performance requirement

Cleaning and sanitization procedures recommended by the manufacturer shall effectively clean and sanitize food contact surfaces.

NOTE — This requirement applies to manual cleaning and sanitizing procedures and to ~~in-place cleaning~~ CIP and sanitizing procedures recommended by the manufacturer.

6.1.2 Test method

Microbiological methods for stock culture preparation, and enumeration/analysis of *Escherichia coli,* shall be performed as specified in Annex A.

6.1.2.1 The equipment shall be filled with *the E. coli* suspension.

6.1.2.2 The equipment shall be operated so that food contact surfaces are exposed to the *E. coli* suspension. The equipment shall then be cleaned in place according to the manufacturer's instructions and refilled with SBDW. The SBDW shall be dispensed and five 100-mL samples shall be collected at intervals from the start of the dispensing until the unit is empty. When adequate sample volumes cannot be realized, additional SBDW shall be added accordingly. The equipment shall then be operated so that food contact surfaces intended for ~~in-place cleaning~~ CIP are exposed to the SBDW. Sufficient SBDW shall then be dispensed. The challenge organisms present in each sample shall be collected and enumerated using the Standard Total Coliform Membrane Filter Procedure in accordance with APHA's *Standard Methods for the Examination of Water and Wastewater.* **Error! Bookmark not defined.**

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Annex A
(normative)

Methods for preparing and analyzing ~~in-place cleaning~~ CIP bacteria surrogate

A.1 Summary

E. coli is used as the challenge organism for the ~~in-place cleaning~~ CIP test. Presented in this annex are the methods used for suspension preparation, controls, and analysis of the challenge organism.

Rationale: *The Conference for Food Protection has requested considerations be made for modifying NSF/ANSI Standards cleaning terminology to align with the terminology used in the FDA Food Code. The term in-place cleaning currently used in the NSF Standards is requested to be replaced with the term CIP used in the FDA Food Code. The concept of CIP as defined in the Food Code is currently being applied in the NSF/ANSI Standards under the different term in-place cleaning. The alignment of terminology will provide consistency in the industry.*

Tracking #245i21r1 **Revision to NSF/ANSI 245-2019**

Issue 21, Revision 1 (September 2020)

[[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 gray 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 Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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8 Performance testing and evaluation

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8.2 Testing conditions, hydraulic loading and schedules

8.2.1 Influent wastewater characteristics

Except as required by NSF/ANSI 40 for systems seeking concurrent NSF/ANSI 40 and nitrogen reduction certification, the average wastewater characteristics delivered to the system over the course of the testing shall fall within:

- BOD_5: 100 to 300 mg/L;
- TSS: 100 to 350 mg/L;
- TKN: 35 to 70 mg/L (as N);
- alkalinity: > 175 mg/L (as $CaCO_3$) (alkalinity may be adjusted if inadequate);
- temperature: 10 to 30 ºC (50 to 86 ºF); and
- pH: 6.5 to 9 SU.

Unless requested by the manufacturer, the raw influent shall be supplemented with sodium bicarbonate if the wastewater is found to be deficient in alkalinity. In addition, the influent shall be supplemented with urea to meet the required influent TKN concentration. The influent may also be supplemented with methanol, or products such as MicroC®2000 and MicroC®4000 or equivalent to maintain a carbon:nitrogen ratio of no less than 5:1.

NOTE — For this testing, minimum alkalinity may be calculated as described in Annex I-1.

If the influent temperature drops below 10 ºC (50 ºF), impacting the nitrification process, sample collection may be suspended until the influent temperature returns to 10 ºC (50 ºF).
ent on end use of the effluent.

Tracking number 330i11r2 **Revision to NSF/ANSI 330-2019**
 Issue 11 Revision 2 (September 2020)

[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 gray 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 Drinking Water Treatment Units –

Glossary of Drinking Water Treatment Unit Terminology

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3 Definitions

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3.186 water softener: (As used in NSF/ANSI 44) A pressurized water treatment device in which hard water is passed through a bed of cation exchange media (either inorganic or synthetic organic) for the purpose of exchanging calcium and magnesium ions for sodium or potassium ions, thus producing a softened water that is more desirable for laundering, bathing, and dishwashing.

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3.186.5 grains per gallon (GPG): A unit of concentration equal to 17.1 mg/L as calcium carbonate equivalence, usually used to express the hardness of water.

3.186.6 hardness: A measurement of the concentration of divalent and trivalent cations, primarily calcium and magnesium, in drinking water. Hardness is typically expressed as GPG or mg/L as calcium carbonate equivalent.

3.186.7 hardness leakage: (As used in NSF/ANSI 44) Hardness present in the effluent from a water softener.

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3.186.20 soft water: (As used in NSF/ANSI 44) Water containing less than 1 GPG calcium carbonate equivalent of dissolved hardness.

3.186.21 water softening: The reduction or removal of dissolved hardness ions from water. See *water softener.*

~~**3.187 water softening: See *water softener.***~~

Rationale: These changes are proposed to ensure that the three relevant clauses are consistent and will help to eliminate confusion. Revision 2 incorporates comments received during the previous ballot to eliminate the redundant definition in 3.187.

Tracking number 50i160r5 **Revision to NSF/ANSI/CAN 50-2019**
 Issue 160 Revision 5 (September 2020)

[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 gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard
for Recreational Water Facilities –

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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7 Centrifugal pumps

This section contains requirements for centrifugal pumps used to circulate swimming pool or spa / hot tub water in commercial and residential applications. The requirements for strainers shall apply to strainers that are integral with the pump and to strainers supplied as separate equipment for use in conjunction with a centrifugal pump.

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7.6 Pump performance curve

7.6.1 For each pump model or model series, the manufacturer shall provide a pump performance curve that plots the pump's total dynamic head versus the discharge flow rate. The manufacturer shall also have a curve available that plots the net positive suction head (NPSH) or total dynamic suction lift (TDSL), brake horsepower, and pump efficiency in relation to the performance curve. Pumps with a rating of 5 HP (3.7 kW) or less are not required to have a NPSH curve.

For pumps utilizing motors rated for multiple voltages, if the pump performance curve varies between rated voltages, such as may occur between 230 V and 208 V, the manufacturer shall provide a pump performance curve for each rated motor voltage.

7.6.2 The actual pump curve, as determined in accordance with Section N-3.1, shall be within a range of - 3% to + 5% of the total dynamic head or - 5% to + 5% of the flow, whichever is greater, indicated by the performance curve. Data taken above 90% full flow shall not be judged to the acceptance criteria.

Pumps with more than one operating speed shall be tested as documented below:

— fixed multispeed pump or motor assemblies, test at each speed; or
— variable speed pump or motor assemblies, test at 100%, 50%, and the lowest speed.

7.6.3 For pumps that provide a flow rate output (such as a visual flow rate in LPM/GPM or other manner), the pump may be tested in accordance with the following flow meter requirements of Section 24 of this standard:

- Section 24.8 flow rate measurement accuracy
- Section 24.9 flow metering device testing and accuracy levels, and
- Section 24.12 life testing

7.7 Operation and installation instructions

7.7.1 The manufacturer shall provide a manual with each pump. The manual shall include written instructions for the proper installation, operation, and maintenance of the pump. Instructions shall include a parts list and diagrams to facilitate the identification and ordering of replacement parts. If the parts list does not uniquely identify each part for ordering, the manufacturer shall also supply the appropriate specification numbers and serial numbers, and the impeller diameter.

7.7.2 A pump manufactured without an integral strainer shall state in its installation instructions, on a data plate, or on an attached label that the pump is to be installed with a strainer conforming to the requirements in this Standard.

7.7.3 If applicable, the instruction manual shall state the accuracy level of flow metering performance, (i.e. Level 1 or L1) or Displayed flow rate has not been evaluated to the flow meter requirements of NSF/ANSI/CAN 50.

7.8 Self-priming pumps

A pump designated as self-priming shall be capable of repriming itself when operated under a suction lift without the addition of more liquid. Self-priming capability shall be verified in accordance with Section N-3.3.

7.9 Data plate

7.9.1 A pump shall have a data plate that is permanent; easy to read; and securely attached, cast, or stamped into the pump at a location readily accessible after installation. The data plate shall contain the following information:

— manufacturer's name and contact information (address, phone number, website, or prime supplier);

— pump model number;

— pump serial number, date code, or specification number;

— whether the unit has been evaluated for swimming pools or spas / hot tubs, if not evaluated for both applications; and

— designation as a self-priming or non-self-priming pump. If the pump is self-priming, the maximum vertical lift height shall be specified.

— If applicable, accuracy level of flow metering performance, (i.e., Level 1 or L1).

7.9.2 The proper direction of impeller rotation shall be clearly indicated by an arrow on the data plate, on a separate plate, or cast onto the pump.

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BSR/UL 5800, Standard for Safety for Battery Fire Containment Products

1. The First Edition of the Standard for Safety for Battery Fire Containment Products, UL 5800, including applicable requirements for Canada. The Standard provides fire test and performance criteria to evaluate fire containment products intended for a battery-powered portable electronic device (PED). These fire containment products are intended to be used in inhabited aircraft compartments.

1.4 This standard covers installed and uninstalled lithium ion batteries and cells.

8.1.1 The requirements of 8.1.2 and 8.1.12 shall be met for containment products evaluated to Performance Level 1 (as described in 8.5.3) and Performance Level 2 (as described in 8.5.4). The requirements of 8.1.3 through 8.1.11 shall be met only for containment products evaluated to Performance Level 2 (as described in 8.5.4).

8.1.10 Total smoke release shall be calculated as follows:

$$TSR = \int_{t_0}^{t_{end}} SRR dt$$

Where

TSR = Total smoke released during test duration (m^2)

SRR = smoke release rate (m^2/s)

t_0 = Time of first thermal runaway event (s)

t_{end} = Time of test termination (s)

A measurement of the light transmission across the duct may be taken at the conclusion of the test once the laboratory air has been ventilated of smoke. This value may be taken into account for the totalization of smoke release rate.

8.2.7 The cells shall be contained within a UL94HB rated ABS plastic enclosure with a nominal thickness of 3 ±1 mm (0.12 ±0.04 in). Commercially available enclosures may be used and features such as external flanges, screw boss, standoffs, elastomeric seals, metal fastening screws, and discreet areas that may exceed 4 mm (0.16 in) in thickness shall be acceptable. Sealant material capable of withstanding conditions anticipated inside the fuel load/package shall be applied around the opening where thermocouple and heater wires exit the fuel package such that the enclosure shall be watertight prior to thermal runaway initiation.

8.2.12 The containment product shall be placed on a softwood surface that has been covered with white tissue paper and then a single layer of cheesecloth in accordance with 8.2.13 is to be loosely draped over the containment product.~~A single layer of cheesecloth in~~

~~accordance with 8.2.13 is to be secured over the containment product and then placed on a softwood surface that has been covered with white tissue paper.~~

8.5.1 All three tests shall meet the performance criteria outlined in 8.5.3 or 8.5.4 to achieve that performance level. If a test does not meet 8.5.3(f) or 8.5.4(f), the test shall be repeated and not counted towards the three test requirement.

8.5.3 A containment product complies with Performance Level 1 if all of the following conditions are met:

a) Flames do not breach the containment product as determined by glowing or igniting of the cheesecloth or tissue paper specified in 8.2.12 and 8.2.13.

b) All visible smoke is confined within the containment product.

c) Shrapnel, sparks or other harmful debris of the test do not escape the containment product.

d) Surface temperatures of the containment product at any location do not exceed those values found in Table 8.2.

e) Compliance with Section 8.4, as applicable.

f) All cells in the fuel load shall undergo thermal runaway, unless the containment product limits thermal runaway propagation by the design feature of the containment product.

8.5.4 A containment product complies with Performance Level 2 if all of the following conditions are met:

a) Flames do not breach the containment product as determined by glowing or igniting of the cheesecloth or tissue paper specified in 8.2.12 and 8.2.13.

b) No more than 5 m^2 of total smoke is released from the containment product.

c) Shrapnel, sparks or other harmful debris of the test do not escape the containment product.

d) Surface temperatures of the containment product at any location do not exceed those values found in Table 8.2.

e) Compliance with Section 8.4, as applicable.

f) All cells in the fuel load shall undergo thermal runaway, unless the containment product limits thermal runaway propagation the design feature of the containment product.

9.1 The report on testing shall include the following:

a) Product manufacturer name and model designation.

b) General description of the containment product, including dimensions, openings, securement methods and any other features unique to the product's performance and operation.

c) The Class rating and Performance Level.

d) Manufacturer and model designation for the 18650 cell used in the fuel load/package.

e) Measured capacity of each cell used in the fuel/load package.

~~e~~f) Visual observation and notation of:

1) Flames outside the containment product.

2) Smoke outside the containment product.

3) Breach of the containment product by shrapnel or object (fuel load/package).

4) Observations of the damage to the containment product.

5) Observations of propagation throughout the fuel load/package.

~~f~~g) Plots of surface thermocouple measurements for the duration of the test.

~~g~~h) The maximum surface thermocouple measurements.

~~h~~i) Plots of smoke release rate for Performance Level 2.

~~i~~j) Total smoke released for Performance Level 2.

~~j~~k) The time of initiation and termination of the test.

~~k~~l) Video of the test.

~~l~~m) Photos of the containment product pre- and post-test.

B.2 The cell shall be discharged at room temperature at a constant current at a maximum of 0.2C rate down to the specified end of discharge voltage. The cell shall then be charged at a rate not exceeding the maximum charging rate specified by the manufacturer until fully charged. The cell shall then be allowed to stabilize at room ambient.

B.3 ~~With the cell in the fully charged condition, the cell shall be discharged at a constant current discharge in accordance with the cell manufacturer's specifications down to the end of discharge voltage. The duration of the discharge shall be monitored and t~~The measured capacity of the cell shall be calculated to three significant figures.

BSR/UL 44, Standard for Safety for Thermoset-Insulated Wires and Cables

PROPOSALS

(CURRENT)

6.1.5 Conductor stranding

A wire employing other than ASTM Class B, C, or SIW stranding shall be marked with the conductor class or classes and the number of strands. Example: 2 AWG (259w Class H)

(PROPOSED)

6.1 Marking on product

6.1.5 Conductor stranding

A wire or cable employing stranded conductors that are more finely stranded than Class B or C stranding (including Class B and Class C compact) shall be marked with the conductor class or classes. For conductor class, refer to Clause 4.1. For the number of strands on Class B or C conductors, see Table 49.

Note: A wire or cable employing SIW or combination unilay stranding need not be marked.

Table 49

Conductor stranding
(See Clause 6.1.5.)

Conductor size		Number of strands					
		Copper		Aluminum		Copper-clad aluminum	
mm^2	(AWG or kcmil)	Class B	Class C	Class B	Class C	Class B	Class C
2.08 - 33.6	(14 - 2)	7	19	7[a]	19[a]	7[a]	19[a]
42.4 - 107	(1 - 4/0)	19	37	19	37	19	37
127 - 253	(250 - 500)	37	61	37	61	37	61
304 - 507	(600 - 1000)	61	91	61	91	61	91
633 - 760	(1250 - 1500)	91	127	-	-	-	-
887 - 1010	(1750 - 2000)	127	169	-	-	-	-

[a] Aluminum and copper-clad aluminum 14 AWG (2.1 mm^2) are not available.

Note: In Canada and Mexico, copper-clad aluminum conductors shall not be used in thermoset-insulated wires and cables.

BSR/UL 144, Standard for Safety for LP-Gas Regulators

PROPOSAL

1. Proposed joint standard for Standard for LP-Gas Regulators, UL 144

4.2 The maximum inlet pressure rating for a second-stage regulator or 13.8 kPa (2 psig) service regulator shall be ~~not less than~~ 68.9 kPa (10 psig).

9.1 A spring-adjusting screw opening in a bonnet shall be closed by a cap, or shall be constructed so as to exclude the entrance of water, dirt, and other contaminants. For single-stage regulators having a capacity not greater than ~~2.93~~ 29.3 kW (100,000 BTU/h), a hole in the cap is acceptable, if the regulator is marked in accordance with 41.1(e).

BSR/UL 414, Standard for Safety for Meter Sockets

1. Revisions to Dielectric test after short-circuit interruption test

PROPOSAL

SA5.2.12 At the conclusion of the test, the meter socket adapter shall be subjected to the Dielectric Withstand Test, Section 20, except the test voltage shall be twice the rated voltage of the assembly but not less than 900 V. The overcurrent protective device shall be in the closed position for this test. ~~and shall comply with the criteria in SA5.2.13.~~

BSR/UL 875, Standard for Safety for Electric Dry-Bath Heaters

1. Replace UL 508C reference with UL 61800-5-1

16.1.1 The overload protection required by 16.1 shall consist of one of the following:

a) Thermal or overcurrent protection that complies with both the running overcurrent and locked rotor protection requirements in the Standard for Thermally Protected Motors, UL 1004-3;

b) Electronic protection that complies with the requirements of the Standard for Electronically Protected Motors, UL 1004-7;

c) Electronic overcurrent protection provided as part of a motor-drive complying with the ~~Standard for Power Conversion Equipment, UL 508C~~ Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1. The combination of the motor and the motor drive shall comply with the running overcurrent and locked rotor protection requirements specified in the Standard for Electronically Protected Motors, UL 1004-7;

d) Impedance protection complying with the requirements in the Standard for Impedance Protected Motors, UL 1004-2; or

e) Electronic protection that complies with the tests of the Standard for Thermally Protected Motors, UL 1004-3 and the Protective Electronic Circuit requirements of Supplement SA, UL 60335-1 Based Requirements for the Evaluation of Electronic Circuits.