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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.

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 www.awea.org
Contact: Michele Mihelic; standards@cleanpower.org

New Standard

BSR/ACP 1000-2.1-202x, Definitions and Nomenclatures (new standard)

Stakeholders: Clean-power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.
Project Need: Identify definitions used when defining training requirements for fall protection and rescue in wind turbines.
Scope: This standard identifies the set of definitions used within the American Wind Energy Industry when defining training requirements for fall protection and rescue in wind turbines.

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 www.awea.org
Contact: Michele Mihelic; standards@cleanpower.org

New Standard

BSR/ACP 1000-2.2-202x, Rescue Training Requirements (new standard)

Stakeholders: Clean-power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.
Project Need: Identify minimum training guidelines for persons rescuing in wind turbines and associated structures within the American Wind Energy Industry.
Scope: This standard identifies the recommended minimum training guidelines for persons rescuing in wind turbines and associated structures within the American Wind Energy Industry.

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 www.awea.org
Contact: Michele Mihelic; standards@cleanpower.org

New Standard

BSR/ACP 1000-2.3-202x, Fall Protection Training Requirements (new standard)

Stakeholders: Clean-power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.
Project Need: Identify the minimum training guidelines for persons climbing wind turbines and associated structures within the American Wind Energy Industry.
Scope: This standard identifies the minimum training guidelines for persons climbing wind turbines and associated structures within the American Wind Energy Industry.

AGA (ASC Z223) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 www.aga.org

Contact: Luis Escobar; lescobar@aga.org

Revision

BSR Z223.1/NFPA 54-202x, National Fuel Gas Code (revision of ANSI Z223.1/NFPA 54-2021)

Stakeholders: Installers, code-enforcing authorities, natural gas utilities, LP suppliers, appliance, and equipment manufacturers, insurance.
Project Need: Revise code provisions to address public interest and need.
Scope: The code offers criteria for the installation and inspection of fuel gas piping, venting systems, and combustion-air and fuel-gas appliances. Its intent is to promote public safety by providing minimum requirements for the safe and satisfactory utilization of fuel gas downstream of the point of delivery from a gas utility or LP supplier.

AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC 20036 www.aham.org
Contact: Matthew Williams; mwilliams@aham.org

National Adoption

BSR/AHAM 60350-2-202x, Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance (national adoption with modifications of IEC 60350-2)

Stakeholders: Manufacturers of household electric cooktops, testing laboratories; consumers
Project Need: Adoption of IEC 60350-2.
Scope: Defines methods for measuring the performance of electric hobs for household use. Appliances covered by this document can be built-in or designed to be placed on a work surface. The hob can also be a part of a cooking range. This document does not apply to portable appliances for cooking, grilling, and similar functions. This document defines the main performance characteristics of hobs which are of interest to the user and specifies methods for measuring these characteristics.

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 www.ans.org
Contact: Kathryn Murdoch; kmurdoch@ans.org

New Standard

BSR/ANS 55.6-202x, Liquid Radioactive Waste Processing System for Light Water Reactor Plants (new standard)

Stakeholders: Radwaste system design and construction vendors, plant operators and the Nuclear Regulator Commission.
Project Need: This standard on in-plant radwaste systems needs to be updated to include B31.3 piping design and guidance on hoses to align with ANSI/ANS 40.37-2009 and allowed by NRC Reg Guide 1.143 Rev 2 (2001) to support new reactor construction (e.g., SMR).
Scope: This standard provides design, fabrication, and performance criteria and guidance for liquid radioactive waste processing systems for light-water-cooled reactors. The purpose of this standard is to provide criteria to ensure that the liquid radioactive waste processing systems are designed, fabricated, installed, and operated in a manner commensurate with the need to protect plant personnel and the health and safety of the public.

CSA (CSA America Standards Inc.)

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

Revision

BSR/CSA HGV 3.1-202x, Fuel system components for compressed hydrogen powered vehicles (revision of ANSI/CSA HGV 3.1-2014 (R2019))

Stakeholders: Industry, manufacturers, consumers, certification agencies.
Project Need: To update the current standard and move the content related to onboard vehicle hoses from HGV 4.2 into HGV 3.1, and align with the recently published ISO Standard, ISO 19880-5.
Scope: This Standard establishes requirements for newly produced compressed hydrogen gas fuel system components, intended for use on hydrogen-gas-powered vehicles including: check valves, manual valves, manual container valves, automatic valves, gas injectors, pressure indicators, pressure regulator, pressure relief valves, pressure relief devices, excess flow valves, gas-tight housing and leakage capture lines and passages, rigid fuel lines, flexible fuel lines and hoses, filter housing, fittings, and discharge line closures.

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 www.nema.org
Contact: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Revision

BSR C78.21-202X, Incandescent Lamps: PAR and R Shapes (revision of ANSI C78.21-2011 (R2016))

Stakeholders: Producers, users, general interest.
Project Need: This project is needed to add Lamp Shapes, including but not limited to, G16.5, G25, G40, R16, and PAR14.
Scope: This standard provides physical and electrical characteristics of the group of incandescent lamps that have PAR and R bulb shapes. Lamps with clear, frosted, and lens end bulbs, with clear and prescription lenses, and with various reflector coatings are covered. Lamps covered in this standard may contain either of two basic types of light sources; an incandescent filament or a tungsten halogen inner bulb. Sunlamps and heat lamps of the R type are included. Lamps with discharge arc tubes are not included.

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 www.nema.org
Contact: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Revision

BSR C82.77-5-202X, Lighting Equipment - Voltage Surge Requirements (revision of ANSI C82.77-5-2017)

Stakeholders: Producers, users, general interest.
Project Need: This project is needed to align ANSI C82.77-5 with ANSI C136.2 with respect to combination wave, EFT, and power supply requirements.
Scope: This standard specifies voltage surge limits and testing requirements for lighting equipment. It covers all types of lighting equipment used for general illumination (typically found in residential, commercial, and industrial applications) and connected to any of the following commonly distributed 60-Hz alternating current (AC) power-line systems.

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 www.nena.org
Contact: Delaine Arnold; darnold@nena.org

New Standard

BSR/NENA STA-022.2-202x, NENA Minimum Standards for Emergency Notification Systems Document (new standard)

Stakeholders: 9-1-1 users, access and functional needs community, public safety agencies, ENS producers, general interest.
Project Need: In recent years, technology has changed systems, systems have gone from a box in your office to hosted solutions, and previous systems provided limited capabilities for the access and functional needs communities. The real-world experience shows the potential of emergency notification tools is not always realized. This document is intended to provide the user community with on-point administrative, procedural, and functional information and standards useful to the successful purchase, implementation and deployment of an Emergency Notification System in their community.
Scope: Provide substantive information on the goals and objectives of the public safety use of these systems, and the importance of clearly understanding how these systems may be used, as well as identify (often) overlooked responsibilities of implementation, use and management of these systems. Define the public safety agency's role in appropriately specifying, using, and managing these systems.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 www.nfpa.org
Contact: Dawn Michele Bellis; dbellis@nfpa.org

New Standard

BSR/NFPA 401-202x, Recommended Practice for the Prevention of Fires and Uncontrolled Chemical Reactions Associated with the Handling of Hazardous Waste (new standard)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This document applies to the generation, transport, treatment, storage, and disposal of hazardous waste at generator sites, during transportation, and once it reaches a treatment, storage, and disposal facility.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 www.nfpa.org
Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 921-202x, Guide for Fire and Explosion Investigations (revision of ANSI/NFPA 921-2021)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This document is designed to assist individuals who are charged with the responsibility of investigating and analyzing fire and explosion incidents and rendering opinions as to the origin, cause, responsibility, or prevention of such incidents, and the damage and injuries which arise from such incidents.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 www.nfpa.org
Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 1081-202x, Standard for Facility Fire Brigade Member Professional Qualifications (revision of ANSI/NFPA 1081-2018)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This standard identifies the minimum job performance requirements (JPRs) necessary to perform the duties as a member of an organized industrial fire brigade providing services at a specific facility or site. This standard is intended to comply with the industrial fire brigade–related requirements of 29 CFR 1910.156, Subpart L and the industrial fire brigade–related requirements of 29 CFR 1910.134 (2 in/2 out rule). Further, this standard is intended to ensure the industrial fire brigade member has the appropriate degree of occupational safety and health while performing industrial fire brigade duties, just as NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, ensures an appropriate degree of occupational safety and health for municipal fire department members. For support functions beyond the scope of this document, see Annex B.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 www.nfpa.org
Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 2400-202x, Standard for Small Unmanned Aircraft Systems (sUAS) Used for Public Safety Operations (revision of ANSI/NFPA 2400-2019)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: This standard shall cover the minimum requirements relating to the operation, deployment, and implementation of small unmanned aircraft systems (sUAS) for public safety operations.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 www.nfpa.org
Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 3000-202x, Standard for an Active Shooter/Hostile Event Response (ASHER) Program (revision of ANSI/NFPA 3000-2021)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.
Project Need: Public interest and need.
Scope: The scope of this standard is limited to the necessary functions and actions related to preparedness, response, and recovery from an active shooter/hostile event response (ASHER).

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

1550 Crystal Drive, Suite #804, Arlington, VA 22202 www.wasterecycling.org
Contact: Kirk Sander; ksander@wasterecycling.org

New Standard

BSR ASD Z245.0-202x, Standard for Equipment Technology and Operations for Wastes and Recyclable Materials - Definitions (new standard)

Stakeholders: Manufacturers of Equipment, Consultants, Machine Operators, engineers, regulators, customers, safety professionals, trade and professional associations and institutes, standards writers with an interest in the scope, all other stakehholders not specified.
Project Need: The Z245 Committee for standard for Equipment Technology and Operations for Wastes and Recyclable Materials has determined the need for a consistent and concise standard to aggregate the terms used in the Waste and Recycling industry.
Scope: The project will aggregate the definitions used in the waste and recycling industry and throughout the Z245 standards into one concise list.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org
Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 92 202x, Specification for 5/8-24 Plug, (Male), Trunk & Distribution Connectors (revision of ANSI/SCTE 92 -2017)

Stakeholders: Cable Telecommunications industry.
Project Need: Update current technology.
Scope: The purpose of this specification is to serve as a recommended guideline for the physical dimensions of all male 5/8 – 24 plug (male) trunk and distribution connectors that are typically used in the 75-ohm RF broadband communications industry. It is not the purpose of this standard to specify the details of manufacturing.

SDI (Steel Deck Institute)

PO Box 426, Glenshaw, PA 15116 www.sdi.org
Contact: Robert Paul; bob@sdi.org

New Standard

BSR/SDI COSP-202x, Code of Standard Practice for Steel Deck (new standard)

Stakeholders: In the general interest category, stakeholders include representatives of regulatory agencies, technical or professional societies, and manufacturers of related products. In the user category, stakeholders are specifiers, users, and installers of steel deck, including design engineers, architects, agencies that purchase or specify steel deck, installers, or distributors. In the producer category, stakeholders include steel deck and accessory manufacturers.
Project Need: BSR/SDI COSP-202x is a new consensus standard intended to replace the existing SDI COSP-2017 document, which is not a consensus document. BSR/SDI COSP-202x will set forth criteria for trade practices for steel deck. This standard is intended to coordinate with practices set forth in other related industry Codes of Standard Practice. Non-mandatory user notes and commentary will be included for further clarification and guidance.
Scope: The Code of Standard Practice for Steel Deck, with accompanying non-mandatory commentary and user notes, sets forth criteria for the trade practices involved in the design, supply, and installation of cold-formed steel deck used in floor and roof applications, in buildings and similar structures.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: June 20, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ae to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This addendum revises Section 8.4.4 transformer requirements based on 2016 updates to 10 CFR Part 431.196. Table 8.4.4 (Minimum Nominal Efficiency Levels for Low-Voltage Dry-Type Distribution Transformers) values have already been updated; now, a new footnote is being introduced to explain the interpolation process for values not shown in the table.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ah to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This addendum proposes changes to Section 7.5.3. The minimum Et for a single high-capacity water heater (gas fired) has been raised from 90% to 92%. The requirements for service water heating systems supplied by multiple units have also been increased so that at least 30% of the input has an Et of 92% or higher. Additionally, the exception for buildings that use site-solar or on-site recovered energy has been deleted since there are now general provisions covering renewables in other parts of the standard.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: June 20, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 (919) 549-0956 https://ul.org/

Revision

BSR/UL 668-202x, Standard for Hose Valves for Fire-Protection Service (revision of ANSI/UL 668-2016)
(1) Update of standard; (2) Friction loss of hose valves.
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 (510) 319-4259 https://ul.org/

Revision

BSR/UL 778-202x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2020)
The following topics are being proposed: (1) Addition of reference to UL 969A for cord tags and (2) Editorial corrections
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1727-202X, Standard for Safety for Commercial Electric Personal Grooming Appliances (revision of ANSI/UL 1727 -2020)
The following change in requirements is being proposed for review: (1) Addition of cord Tag evaluated to UL 969A.
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 (613) 368-4419 https://ul.org/

Revision

BSR/UL 1738-202X, Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (revision of ANSI/UL 1738-2021)
(1) Clarification and alignment with ULC-S636; (2) Topic 2 - Section 17: Test Installations.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 5, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 152-202x, Standard for the Minimum Content Requirements of Forensic Toxicology Procedures (new standard)
This document provides requirements for the minimum content of analytical procedures in forensic toxicology. This standard applies to laboratories performing forensic toxicological analysis in the following sub-disciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services, breath alcohol), and general forensic toxicology (non-lethal poisonings or intoxications). 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 previous 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 on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

AARST (American Association of Radon Scientists and Technologists)

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

Revision

BSR/AARST MS-PC-202x, Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air (revision of ANSI/AARST MS-PC-2015)
This standard specifies minimum performance criteria and testing procedures for instruments and/or systems designed to quantify the concentration of 222Rn gas in air. These are consistent but general performance criteria applicable to the wide variety of radon measurement devices used for indoor measurements, primarily in residential environments or buildings not associated with the possession or handling of radioactive materials. Also included is a description of documentation necessary for demonstration of compliance with this standard.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (with optional copy to psa@ansi.org) to: StandardsAssist@gmail.com

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 (202) 383-2500 www.awea.org

National Adoption

BSR/ACP 61400-1-202x, Wind Energy Generation Systems - Part 1: Design requirements - Modified Adoption of IEC 61400-1 (national adoption with modifications of IEC 61400-1:2019 Wind energy generation systems-Part 1:Design requirements)
This part of IEC 61400 specifies essential design requirements to ensure the structural integrity of wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime. This document is concerned with all subsystems of wind turbines such as control and protection functions, internal electrical systems, mechanical systems and support structures. This document applies to wind turbines of all sizes. For small wind turbines, IEC 61400-2 can be applied. IEC 61400-3-1 provides additional requirements to offshore wind turbine installations. This document is intended to be used together with the appropriate IEC and ISO standards mentioned in Clause 2.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (with optional copy to psa@ansi.org) to: https://cleanpower.org/standards-development/

Comment Deadline: July 5, 2021

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 (202) 383-2500 www.awea.org

New Standard

BSR/ACP 101-1-202x, The Small Wind Turbine Standard (new standard)
The goal of this standard is to provide meaningful criteria upon which to assess the quality of the engineering that has gone into a small wind turbine and to provide consumers with performance data that will help them make informed purchasing decisions and an assurance that a turbine has been certified to a national standard. The standard is intended to be written to ensure the quality of the product can be assessed while imposing only reasonable costs and difficulty on the manufacturer to comply with the standard.
Single copy price: $Draft is available free of charge
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (with optional copy to psa@ansi.org) to: https://cleanpower.org/standards-development/

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 (202) 383-2500 www.awea.org

New Standard

BSR/ACP OCRP-1-202x, ACP Offshore Compliance Recommended Practices (OCRP) Edition 2 (new standard)
This document applies to offshore wind farm assets that extract kinetic energy from wind, transmit electricity to shore-based grids, and/or store energy using facilities or devices located offshore or on land. The scope includes wind farm assets that may potentially be installed in state and federal waters in the contiguous U.S., Alaska, and Hawaii, including inland bodies of water such as the Great Lakes. The scope includes wind farm assets installed in salt or fresh water with a rotor swept area greater than 200 m2. The scope includes the design, manufacturing, installation, commissioning, operation and service, decommissioning, and re-powering within the project life-cycle cycle of a wind farm. The equipment covered in the scope shall include rotor-nacelle assemblies, towers, substructures, foundations, offshore substations, inter-array and export cables (by reference to ACP OCRP-5 Recommended Practices for Submarine Cables), measurement and monitoring equipment, and any other permanently installed auxiliary platforms or equipment.
Single copy price: $Draft is available free of charge
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (with optional copy to psa@ansi.org) to: https://cleanpower.org/standards-development/

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 (703) 684-0211 www.agma.org

Reaffirmation

BSR/AGMA 9005-F-2016 (R202x), Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-F-2016)
This standard provides lubricant classifications, guidelines for minimum performance characteristics, and generalized application and servicing guidelines for both open and enclosed metallic gearing that has been designed and rated in accordance with applicable AGMA Standards. The applicable gear types include spur, helical including double helical and herringbone, worm, non-offset bevel, and face gears.
Single copy price: $112.00
Obtain an electronic copy from: tech@agma.org
Order from: tech@agma.org
Send comments (with optional copy to psa@ansi.org) to: aboutaleb@agma.org

Comment Deadline: July 5, 2021

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

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

Reaffirmation

BSR/AHRI Standard 300-2015 (R202x), Sound Rating and Sound Transmission Loss of Packaged Terminal Equipment (reaffirmation of ANSI/AHRI Standard 300-2015)
This standard applies to the indoor and outdoor sections of factory-made Packaged Terminal Equipment as defined in AHRI Standard 310/380.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (with optional copy to psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

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

Reaffirmation

BSR/AHRI Standard 350-2015 (R202x), Sound Performance Rating of Non-Ducted Indoor Air-Conditioning and Heat Pump Equipment (reaffirmation of ANSI/AHRI Standard 350-2015)
This standard applies to the indoor portions of factory-made Non-ducted Air-conditioning and Heat Pump Equipment as defined in AHRI Standards 210/240, 340/360, 310/380, 440, and 1230. Products covered include but are not limited to: fan coils, air-source unitary heat pumps as well as unitary air-conditioners, water-source heat pumps, packaged terminal equipment, and variable refrigerant flow (VRF) systems.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (with optional copy to psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

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

Reaffirmation

BSR/AHRI Standard 1120-2012 (R202x), Acoustical Test Methods and Sound Power Rating Procedures for Transport Refrigeration Equipment (reaffirmation of ANSI/AHRI Standard 1120-2012)
This standard applies to factory-made Transport Refrigeration Equipment. The purpose of this standard is to establish acoustical test methods for Transport Refrigeration Equipment and to provide definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; and conformance conditions.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (with optional copy to psa@ansi.org) to: AHRI_Standards@ahrinet.org

ANS (American Nuclear Society)

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

Reaffirmation

BSR/ANS 15.4-2016 (R202x), Selection and Training of Personnel for Research Reactors (reaffirmation of ANSI/ANS 15.4 -2016)
This standard sets the qualification, training, and certification criteria for operations personnel at research reactors and establishes the elements of a program for periodic re-qualification and re-certification. The standard is predicated on levels of responsibility rather than on a particular organizational concept.
Single copy price: $119.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (with optional copy to psa@ansi.org) to: P. Schroeder, pschroeder@ans.org

Comment Deadline: July 5, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ad to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This addendum outlines a proposed new structure for Section 9, Lighting. Under the new structure, all Chapter 9 prescriptive requirements would be contained in the same section (9.5). This provides better alignment with how other sections are arranged within the standard and keeps Section 9.6 in reserve should a new alternative compliance path be developed in the future.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ai to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This addendum modifies Appendix A to provide greater detail and clarity to the insulation requirements for a variety of metal building assemblies. Section A9.4.6, which outlines the calculation procedures for metal building assembly U-factors, now stipulates the thermal conductivity and density required for insulation when a U-factor from Table A2.3.3. (metal roofs) or Table A3.2.3 (metal walls) is used.
Single copy price: $35.00
Obtain an electronic copy from: mailto:standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum x to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This first public review draft updated Section 6, Chiller Requirements, specifically the Cooling Efficiency Adjustment for Centrifugal Chillers (6.4.1.2.1) and Requirements for Chillers with a Freeze Protection Fluid (6.4.1.2.2). Throughout the first public review draft, “fluid” was used to replace “water.” In this ISC, “fluid” has now been changed to “liquid” to avoid confusion with substances that are not applicable to these provisions. The ISC also removes some content (Kadj calculation examples) that is more appropriate for the user’s manual and because 90.1 users will already receive access to a Kadj spreadsheet tool.
Single copy price: $35.00
Obtain an electronic copy from: mailto:standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum y to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
The first public review draft proposed revisions to Table 6.8.1-16, Heat Pump and Heat Recovery Chiller Packages Minimum Efficiency Requirements, to reflect the latest (2020) publications of AHRI 550/590 (IP) and AHRI 551/591 (SI). In this ISC, the draft has been further modified for clarity and alignment with the AHRI standards; changes include two new definitions, additional footnotes to Table 6.8.1-16, and – as in Addendum x – conversion of "fluid" to "liquid" throughout.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

180 Technology Parkway, Peachtree Corners, GA 30092 (678) 539-1111 www.ashrae.org

Revision

BSR/ASHRAE Standard 103-202X, Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers (revision of ANSI/ASHRAE Standard 103-2017)
The purpose of this standard is to provide procedures for determining the annual fuel utilization efficiency of residential central furnaces and boilers.
Single copy price: $35.00
Obtain an electronic copy from: Free download at 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: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B31G-202x, Manual for Determining the Remaining Strength of Corroded Pipelines (revision of ANSI/ASME B31G -2012 (R2017))
This document is intended solely for the purpose of providing guidance in the evaluation of metal loss in pressurized pipelines and piping systems. It is applicable to all pipelines and piping systems within the scope of the transportation pipeline codes that are part of ASME B31, Code for Pressure Piping, namely: ASME B31.4, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids; ASME B31.8, Gas Transmission and Distribution Piping Systems; ASME B31.11, Slurry Transportation Piping Systems; and ASME B31.12, Hydrogen Piping and Pipelines, Part PL. Where the term "pipeline" is used, it may also be read to apply to piping or pipe conforming to the acceptable applications and within the technical limitations discussed in this standard.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Ray Rahaman; rahamanr@asme.org

Comment Deadline: July 5, 2021

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

520 N. Northwest Highway, Park Ridge, IL 60068 (847) 768-3411 www.assp.org

Revision

BSR/ASSP A10.47-202X, Work Zone Safety for Highway Construction (revision and redesignation of ANSI/ASSE A10.47-2015)
This standard covers employees engaged in construction, utility work, maintenance, or repair activities on any area of a highway.
Single copy price: $100.00
Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org
Order from: Tim Fisher; tfisher@assp.org
Send comments (with optional copy to psa@ansi.org) to: Same

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-41E-2010 (R202x), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E -2010 (R2016))
This standard establishes a method to determine the effectiveness of round-jacketed cable to connector strain relief seal, or flat cable to connector strain relief seal or interface to withstand strain under repeated alternating cable-flexing stresses as experienced in use with molded or mechanical backshell cable strain-relief designs commonly used with electrical connectors.
Single copy price: $78.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-53B-2000 (R202x), Nitric Acid Vapor Test, Gold Finish Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-53B-2000 (R2016))
This standard establishes test methods to determine the magnitude of porosity as well as other surface defects inherent in application of gold contact finishes.
Single copy price: $92.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-58A-2003 (R202x), Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-58A-2003 (R2016))
This standard establishes test methods to determine the ability of the contact retention system in an electrical connector with removable contacts to withstand a static mechanical load at elevated temperature.
Single copy price: $75.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

Comment Deadline: July 5, 2021

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-88A-2009 (R202x), Residual Magnetism Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-88A-2009 (R2016))
This standard establishes a test method to determine the residual magnetism of a connector after exposure to a specified magnetic field.
Single copy price: $75.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-109-2003 (R202x), Loop Inductance Measurement Test Procedure for Electrical Connectors (1 nH-10 nH) (reaffirmation of ANSI/EIA 364-109-2003 (R2016))
This procedure applies to interconnect assemblies, such as electrical connectors and sockets.
Single copy price: $104.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 (503) 274-8103 103 www.thegbi.org

New Standard

BSR/GBI 02-202x, Green Globes Assessment Protocol for Existing Buildings (new standard)
The Draft Standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial existing buildings. Six areas of green building design will be included: environmental, social, and governance management, site, energy, water, materials, and indoor environment quality.
Single copy price: $25.00
Obtain an electronic copy from: https://thegbi.org/ansi
Order from: Emily Marx; marx@thegbi.org
Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 (703) 477-9997 www.nema.org

Reaffirmation

BSR C12.9-2014 (R202x), Test Switches and Plugs for Transformer-Rated Meters (reaffirmation of ANSI C12.9-2014)
This standard is intended to encompass the dimensions and functions of meter test switches used with transformer-rated watthour meters in conjunction with instrument transformers and test plugs used in conjunction with the test switch.
Single copy price: $89.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (with optional copy to psa@ansi.org) to: pau_orr@nema.org

Comment Deadline: July 5, 2021

NSF (NSF International)

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

New Standard

BSR/NSF 437-202x (i1r1), Glossary of Wastewater Technology Terminology (new standard)
Definitions covered by this Standard consist of terminology related to wastewater technology, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Wastewater Technology Standards.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/58937/437i1r1%20-%20New%20Standard%20-%20JC%20Memo%20%26%20Ballot.pdf
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

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

New Standard

BSR/NSF 505-202x (i1r3), Conformity Assessment Requirements for Certification Bodies that Certify Pool Chemicals Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (new standard)
This Standard establishes minimum requirements for certification bodies to be used when certifying recreational water treatment chemicals products to NSF/ANSI/CAN 50 These requirements are supplemental to those contained in ISO/IEC 17065 or ISO/IEC 17020 and do not replace the requirements of either ISO Standard. By specifying this Standard, users of product certifications can communicate their expectation that certification activities addressed in this standard are performed in the particular manner described.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/58948/505i1r3%20-%20Conformity%20Assessment%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 (864) 646-8453 www.tcnatile.com

Revision

BSR A108.5-202x, Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar (revision of ANSI A108.5-2020)
This standard outlines the guidelines for installation of ceramic tile with dry-set portland cement mortar or latex-portland cement mortar.
Single copy price: $15.00
Obtain an electronic copy from: ksimpson@tileusa.com
Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 61215-2-202x, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (identical national adoption of IEC 61215-2 and revision of ANSI/UL 61215-2-2017)
(1) Second edition of the UL IEC-based Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures, UL 61215-2, with no US national differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 5, 2021

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 61215-1-1-202x, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (identical national adoption of IEC 61215-1-1 and revision of ANSI/UL 61215-1-1-2017)
(1) Second edition of the UL IEC-Based Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules, UL 61215-1-1, with no US national differences.
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

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National Adoption

BSR/UL 61215-1-2-202x, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-2 and revision of ANSI/UL 61215-1-2-2018)
(1) Second edition of the UL IEC-Based Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules, UL 61215-1-2, with no US national differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 61215-1-3-202x, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-3 and revision of ANSI/UL 61215-1-3-2018)
(1) Second edition of the UL IEC-Based Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon-based photovoltaic (PV) modules, UL 61215-1-3, with no US national differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 5, 2021

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 61215-1-4-202x, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2018)
(1) Second edition of the UL IEC-Based Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2-based photovoltaic (PV) modules, UL 61215-1-4, with no US national differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 (847) 664-2023 https://ul.org/

Revision

BSR/UL 507-202x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2020)
This proposal for UL 507 covers: (1) Exception of “Winding Treatment for Fans Intended to be Exposed to the Weather”; (2) Replace reference to UL 508C with UL 61800-5-1 for Motor Drives and Motor Controllers Used in Fans; (3) Removal of the UL 2111 reference for Overheating Protection of Motors (Replaced by UL 1004-2 and UL 1004-3); (4) Addition of reference to UL 969A for Cord Tags; (5) Addition of safety instructions for replacement parts; (6) UL 507, Outdoor Rating for Portable Outdoor Equipment; (7) Revision of the UL 867 reference to reflect the updated section of Ozone Test.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 5, 2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 (847) 664-2881 https://ul.org/

Revision

BSR/UL 1973-202x, Standard for Safety for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications (revision of ANSI/UL 1973-2018)
(1) Testing of modules during the Short Circuit test; (2) Editorial corrections; (3) Addition of an exception to the General Performance Section for the test time for lithium ion cells or batteries; (4) Revision to Table 12.1, Note (d) for loss of primary control; (5) Addition of an exception for the Drop Impact test SOC; (6) Addition of an exception for outdoor use only in the Single Cell Failure Design Tolerance test; (7) Moving all lithium cell requirements into UL 1973; (8) Addition of requirements for repurposing batteries; (9) Clarification of lead acid battery requirements; (10) Addition of vehicle auxiliary power system requirements; (11) Revisions to the External Fire test; (12) Addition of cell test method from UL 9540A for information gathering; (13) Clarification for spacings criteria and pollution degree in 7.5; (14) Addition of measurement of cell voltages during Overcharge and Overdischarge tests; (15) Clarification of the Single-Cell Failure Design Tolerance test; (16) Proposals for flowing electrolyte batteries; (17) Inclusion of mechanically recharged metal air battery requirements; (18) Functional safety updates: (19) Inclusion of EMC testing for electronic safety controls. (20) Clarification of Dielectric Voltage Withstand test locations on sample; (21) SELV Limits for Canada; (22) Revisions to Section 7.1 to address all non-metallic materials; (23) Smart grid applications; (24) Clarifications for Appendix C; (25) Addition of compliance criteria P - Loss of protection controls for Drop Impact test; (26) Inclusion of sodium ion technology batteries; (27) Expanding the Wall Fixture test to include other support structures; (28) Evaluation proposal for galvanic corrosion determination; (29) Revision of grounding requirement in 7.6.3; (30) aR Fuse Consideration and Module/component voltage consideration; (31) Addition of criteria for transformers. (32) Overload under discharge; (33) Addition of High Rate Charge test; (34) Replacement of UL 60950-1 with UL 62368-1; and (35) Revision of component standards in Appendix A.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 (919) 549-1053 https://ul.org/

Revision

BSR/UL 2239-202X, Standard for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239-2019)
(1) Messenger-supported wiring hangers, rings, and saddles for supporting conduit, cable, or tubing from messenger cable; (2) Quantity, sizes, and types of conduit, cable, or tubing intended to be supported per staple; (3) Alternate staple without stops (DCN701).
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 61215-1-202x, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements (revision of ANSI/UL 61215-1-2017)
(1) Second edition of the UL IEC-Based Standard for Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements, UL 61215-1, with no US national differences.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
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Comment Deadline: July 20, 2021

ANS (American Nuclear Society)

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

Revision

BSR/ANS 55.1-202x, Solid Radioactive Waste Processing System for Light-Water-Cooled Reactor Plants (revision of ANSI/ANS 55.1-1992 (R2017))
This standard provides design, fabrication, and performance criteria and guidance for solid radioactive waste processing systems for light-water-cooled reactors. The purpose of this standard is to provide criteria to ensure that the solid radioactive waste processing systems are designed, fabricated, installed, and operated in a manner commensurate with the need to protect plant personnel and the health and safety of the public.
Single copy price: $164.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (with optional copy to psa@ansi.org) to: pschroeder@ans.org

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B89.4.10-202x, Methods for Performance Evaluation of Coordinate Measuring System Software (revision of ANSI/ASME B89.4.10-2000 (R2011))
The purpose of this document is to provide guidelines for evaluating the quality of solutions generated by CMS software and to define minimal documentation requirements for software providers. Additionally, this Standard gives default definitions for collections of datasets that span a variety of real-world measuring scenarios. This Standard is concerned with testing the behavior of algorithm implementation, not the testing of algorithms themselves.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Justin Cassamassino; cassasmassinoj@asme.org

UL (Underwriters Laboratories)

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

Revision

BSR/UL 539-202x, Standard for Safety for Single- and Multiple-Station Heat Alarms (revision of ANSI/UL 539-2018)
Proposed new edition is a binational standard with ULC-S589 that will incorporate requirements for Canada and the United States. The harmonized requirements include new usage for heat alarms in unconditioned areas, new alternate corrosion (21-day test) and survivability tests, enhancement of audibility test to include sound output measurement criteria for Canada and the U.S. and enhancement of transient tests and addition of a Surge Immunity test.
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.

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

ANSI/ASME B29.26-2013 (R2021), Fatigue Testing Power Transmission Roller Chain (reaffirmation of ANSI/ASME B29.26-2013) Final Action Date: 5/7/2021

Reaffirmation

ANSI/ASME B29.27-2002 (R2021), Single-Pitch and Double-Pitch Hollow Pin Conveyor Chains and Attachments (reaffirmation of ANSI/ASME B29.27-2002 (R2016)) Final Action Date: 5/7/2021

Revision

ANSI/ASME BPVC Section VIII-2021, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2019) Final Action Date: 5/17/2021

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG (078) 796-2989 9

Reaffirmation

ANSI/CPLSO-14-2016 (R2021), Crane Insulators (reaffirmation of ANSI/CPLSO-14-2016) Final Action Date: 5/11/2021

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 (216) 524-4990 www.csagroup.org

Reaffirmation

ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications (reaffirmation of ANSI Z83.18-2016) Final Action Date: 5/13/2021

Reaffirmation

ANSI Z83.25 (CSA 3.19)-2016 (R2021), Direct gas-fired process air heaters, same as CSA 3.19 (reaffirmation of ANSI Z83.25 (CSA3.19)-2016) Final Action Date: 5/13/2021

DirectTrust (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 (240) 289-3922 www.DirectTrust.org

New Standard

ANSI/DS 2019-01-V01-2021, The Direct Standard™ (new standard) Final Action Date: 5/13/2021

ECIA (Electronic Components Industry Association)

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

Revision

ANSI/EIA 364-70D-2021, Temperature Rise Versus Current Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-70C-2014) Final Action Date: 5/13/2021

EOS/ESD (ESD Association, Inc.)

7902 Turin Road, Building 3, Rome, NY 13440-2069 (315) 339-6937 www.esda.org

Revision

ANSI/ESD S8.1-2021, ESD Association Standard for Protection of Electrostatic Discharge Susceptible Items - Symbols - ESD Awareness (revision of ANSI/ESD S8.1-2017) Final Action Date: 5/13/2021

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 (212) 244-1505 www.esta.org

New Standard

ANSI E1.4-2-2021, Entertainment Technology - Statically Suspended Rigging Systems (new standard) Final Action Date: 5/6/2021

New Standard

ANSI E1.67-2021, Design, Inspection, Maintenance, Selection, and Use of Hand-Operated Chain- and Lever Hoists for the Entertainment Industry (new standard) Final Action Date: 5/6/2021

Revision

ANSI E1.2-2021, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers (revision of ANSI E1.2-2012) Final Action Date: 5/6/2021

Revision

ANSI E1.39-2021, Entertainment Technology - Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry (revision of ANSI E1.39-2015) Final Action Date: 5/6/2021

FCI (Fluid Controls Institute)

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

Revision

ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators (revision of ANSI/FCI 79-1-2016) Final Action Date: 5/7/2021

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

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

New Standard

ANSI/ASSE 1099/WSC-PST-2021, Performance Requirements for Pressurized Water Storage Tanks (new standard) Final Action Date: 5/11/2021

MHI (ASC MHC) (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 (704) 714-8755 www.mhi.org

Revision

ANSI MH1-2021, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision of ANSI MH1-2016) Final Action Date: 5/7/2021

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 (703) 477-9997 www.nema.org

Reaffirmation

ANSI C12.10-2011 (R2021), Physical Aspects of Watthour Meters - Safety Standard (reaffirmation of ANSI C12.10 -2011) Final Action Date: 5/11/2021

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 (703) 841 3290 www.nema.org

New Standard

ANSI/NEMA ESM1-1-2021, Electrical Submeter - General Requirements (new standard) Final Action Date: 5/18/2021

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 (703) 549-7600 www.opei.org

Revision

ANSI/OPEI B175.1-2021, Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements (revision of ANSI/OPEI B175.1-2012, ANSI/OPEI B175.1-2012/A1-2014) Final Action Date: 5/11/2021

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 (800) 542-5040 www.scte.org

Revision

ANSI/SCTE 134-2021, Fusion Splicing Equipment and Applications for the Cable/Broadband Industry (revision of ANSI/SCTE 134-2012) Final Action Date: 5/13/2021

SPRI (Single Ply Roofing Industry)

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

Revision

ANSI/SPRI IA-1-2021, Standard Field Test Procedure for Verifying the Suitability of Roof Substrates and Adhesives (revision of ANSI/SPRI IA-1-2015) Final Action Date: 5/12/2021

UL (Underwriters Laboratories)

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

National Adoption

ANSI/UL 61010-2-011-2021, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 011: Particular Requirements for Refrigerating Equipment (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2017) Final Action Date: 5/13/2021

Reaffirmation

ANSI/UL 291-2012 (R2021), Standard for Safety for Automated Teller Systems (reaffirmation of ANSI/UL 291-2012 (R2016)) Final Action Date: 5/7/2021

Revision

ANSI/UL 82-2021, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2020) Final Action Date: 5/7/2021

Revision

ANSI/UL 626-2021, Standard for Water Fire Extinguishers (revision of ANSI/UL 626-2012 (R2018)) Final Action Date: 5/14/2021

Revision

ANSI/UL 2255-2021, Standard for Safety for Receptacle Closures (revision of ANSI/UL 2255-2012 (R2016)) Final Action Date: 5/17/2021

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.

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 (202) 830-1110 www.aarst.org
Gary Hodgden; StandardsAssist@gmail.com

BSR/AARST MS-PC-202x, Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air (revision of ANSI/AARST MS-PC-2015)

ACP (American Clean Power Association)

1501 M Street, NW, , Suite 1000, Washington, DC 20005 (202) 383-2500 www.awea.org
Michele Mihelic; standards@cleanpower.org

BSR/ACP 101-1-202x, The Small Wind Turbine Standard (new standard)

BSR/ACP 1000-2.1-202x, Definitions and Nomenclatures (new standard)

BSR/ACP 1000-2.2-202x, Rescue Training Requirements (new standard)

BSR/ACP 1000-2.3-202x, Fall Protection Training Requirements (new standard)

BSR/ACP 61400-1-202x, Wind Energy Generation Systems - Part 1: Design requirements - Modified Adoption of IEC 61400-1 (national adoption with modifications of IEC 61400-1:2019 Wind energy generation systems-Part 1:Design requirements)

BSR/ACP OCRP-1-202x, ACP Offshore Compliance Recommended Practices (OCRP) Edition 2 (new standard)

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 (703) 684-0211 www.agma.org
Amir Aboutaleb; tech@agma.org

BSR/AGMA 9005-F-2016 (R202x), Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-F -2016)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 (703) 293-4887 www.ahrinet.org
Karl Best; kbest@ahrinet.org

BSR/AHRI Standard 300-2015 (R202x), Sound Rating and Sound Transmission Loss of Packaged Terminal Equipment (reaffirmation of ANSI/AHRI Standard 300-2015)

BSR/AHRI Standard 350-2015 (R202x), Sound Performance Rating of Non-Ducted Indoor Air-conditioning and Heat Pump Equipment (reaffirmation of ANSI/AHRI Standard 350-2015)

BSR/AHRI Standard 1120-2012 (R202x), Acoustical Test Methods and Sound Power Rating Procedures for Transport Refrigeration Equipment (reaffirmation of ANSI/AHRI Standard 1120-2012)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME B31G-202x, Manual for Determining the Remaining Strength of Corroded Pipelines (revision of ANSI/ASME B31G-2012 (R2017))

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

520 N. Northwest Highway, Park Ridge, IL 60068 (847) 768-3411 www.assp.org
Tim Fisher; TFisher@ASSP.org

BSR/ASSP A10.47-202X, Work Zone Safety for Highway Construction (revision and redesignation of ANSI/ASSE A10.47-2015)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 (571) 323-0294 www.ecianow.org
Laura Donohoe; ldonohoe@ecianow.org

BSR/EIA 364-41E-2010 (R202x), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010 (R2016))

BSR/EIA 364-53B-2000 (R202x), Nitric Acid Vapor Test, Gold Finish Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-53B-2000 (R2016))

BSR/EIA 364-58A-2003 (R202x), Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-58A-2003 (R2016))

BSR/EIA 364-88A-2009 (R202x), Residual Magnetism Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-88A-2009 (R2016))

BSR/EIA 364-109-2003 (R202x), Loop Inductance Measurement Test Procedure for Electrical Connectors (1 nH-10 nH) (reaffirmation of ANSI/EIA 364-109-2003 (R2016))

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 (727) 312-3230 www.nena.org
Delaine Arnold; darnold@nena.org

BSR/NENA STA-022.2-202x, NENA Minimum Standards for Emergency Notification Systems Document (new standard)

NSF (NSF International)

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

BSR/NSF 437-202x (i1r1), Glossary of Wastewater Technology Terminology (new standard)

BSR/NSF 505-202x (i1r3), Conformity Assessment Requirements for Certification Bodies that Certify Pool Chemicals Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (new standard)

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

1550 Crystal Drive, Suite #804, Arlington, VA 22202 (202) 364-3750 www.wasterecycling.org
Kirk Sander; ksander@wasterecycling.org

BSR ASD Z245.0-202x, Standard for Equipment Technology and Operations for Wastes and Recyclable Materials - Definitions (new standard)

SDI (Steel Deck Institute)

PO Box 426, Glenshaw, PA 15116 (412) 487-3325 www.sdi.org
Robert Paul; bob@sdi.org

BSR/SDI COSP-202x, Code of Standard Practice for Steel Deck (new standard)

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 (919) 549-0956 https://ul.org/
Griff Edwards; griff.edwards@ul.org

BSR/UL 668-202x, Standard for Hose Valves for Fire-Protection Service (revision of ANSI/UL 668-2016)

Call for Members (ANS Consensus Bodies)

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.

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

NW&RA (ASC Z245) - National Waste & Recycling AssociationEquipment Technology & Operations for Wastes & Recyclable Materials

Effective May 18, 2021

The reaccreditation of **NW&RA - National Waste & Recycling Association,** the ANSI-accredited sponsor of **ASC Z245, Equipment Technology & Operations for Wastes & Recyclable Materials** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NW&RA (ASC Z245) sponsored American National Standards, effective **May 18, 2021**. For additional information, please contact: Kirk Sander, Safety and Standards, National Waste & Recycling Association - NW&RA (ASC Z245) 1550 Crystal Drive, Suite #804, Arlington, VA 22202 (202) 364-3750; ksander@wasterecycling.org

Approval of Reaccreditation – ASD

PDA - Parenteral Drug Association

Effective May 18, 2021

The reaccreditation of **PDA - Parenteral Drug Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on PDA-sponsored American National Standards, effective **May 18, 2021**. For additional information, please contact: Christine Alston-Roberts, Standards Manager, Senior, Parenteral Drug Association (PDA) - Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814; phone: (301) 656-5900 Ext 106; email: roberts@pda.org

Approval of Reaccreditation – ASD

VC (ASC Z80) - The Vision Council - Ophthalmic Standards

Effective May 13, 2021

The reaccreditation of **VC - The Vision Council (sponsor of ASC Z80, Ophthalmic Standards)** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on VC (ASC Z80)-sponsored American National Standards, effective **May 13, 2021**.

For additional information, please contact: Michele Stolberg, ASC Z80 Administrator, The Vision Council (VC (ASC Z80) 225 Reinekers Lane, Suite 700, Alexandria, VA 22314 (585) 387-9913 (ascz80@thevisioncouncil.org)

Accreditation Announcements (Standards Developers)

Public Review of Application for ASD Accreditation

ABTG - Applied Building Technology Group

Comment Deadline: June 21, 2021

The **Applied Building Technology Group (ABTG)**, a new ANSI member in 2021, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on ABTG-sponsored *American National Standards*. ABTG's proposed scope of standards activity is as follows:

ABTG is seeking a scope of standards development encompassing building materials, assemblies, and systems, including methods of design, construction, and testing.

To obtain a copy of ABTG's application and proposed operating procedures or to offer comments, please contact: Mr. Jay Crandell, P.E., Vice President, Applied Building Technology Group, 6300 Enterprise Lane, Madison, WI 53719; phone: 301.466.7420; email: jcrandell@aresconsulting.biz. Please submit any comments to ABTG by **June 21, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is **30 days**.

You may view/download a copy of ABTG's proposed operating procedures during the public review period at this URL

Public Review of Revised ASD Operating Procedures

AMPP - Association for Materials Protection and Performance

Comment Deadline: June 21, 2021

AMPP - Association for Materials Protection and Performance (formerly NACE), an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on AMPP-sponsored American National Standards, under which it was last reaccredited in 2017. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.
To obtain a copy of the revised procedures or to offer comments, please contact: Richard Southard, Standards Senior Editor, Association for Materials Protection and Performance (AMPP) - 15835 Park Ten Place, Houston, TX 77084; phone: (281) 228-6485; email: rick.southard@nace.org

You may view/download a copy of the revisions during the public review period at this URL:

Please submit any public comments on the revised procedures to AMPP by **June 21, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Virtual Meeting Time June 23-24, 2021

The **American Society of Safety Professionals (ASSP)** is the secretariat for ANSI Z16 Committee for Safety and Health Metrics and Performance Measures. The next Z16 meeting will take place virtually on **June 23-24, 2021**. Those interested in participating can contact ASSP for additional information at LBauerschmidt@assp.org.

ANSI Accredited Standards Developer

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

Annual Meeting via Zoom: May 25, 2021 | 10am - 4pm EDT

The **LIA (ASC Z136) - Laser Institute of America - Safe Use of Lasers** announces the 2021 Standards Committee Annual Meeting. The Z136 Standards Committee for Safe Use of Lasers is holding its annual meeting via Zoom webconference to discuss progress on Z136 standards development activities and review membership. This meeting is for members of the Z136 Standards Committee and is also open to observers (non-members). Individuals and organizations having an interest in the Committee's work may attend meetings as observers. Observers may submit comments for consideration, but shall have no vote.

When: **May 25, 2021 | 10am - 4pm EDT**
Where: **Zoom.us**
Cost to Attend: Free
Contact Liliana Caldero (lcaldero@lia.org) to request the Zoom registration link or to ask questions about the meeting. Online registration is required in order to receive the Zoom event URL. A computer capable of running Zoom and a stable internet connection will be necessary for participation - a video camera is not required. Computer audio (microphone) will be used for live questions, and the 'raise hands' feature will be used to ask for the floor. The Zoom chat feature will be enabled for participants.

American National Standards (ANS) Process

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

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

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

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

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 Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers 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
e: tambrosius@aafs.org
p: (719) 453-1036
www.aafs.org

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

ACP
American Clean Power Association
1501 M Street, NW,
Suite 1000
Washington, DC 20005
e: standards@cleanpower.org
p: (202) 383-2500
www.awea.org

AGA (ASC Z223)
American Gas Association
400 North Capitol Street, NW
Suite 450
Washington, DC 20001
e: lescobar@aga.org
p: (202) 824-7058
www.aga.org

AGMA
American Gear Manufacturers Association
1001 N Fairfax Street
5th Floor
Alexandria, VA 22314-1587
e: tech@agma.org
p: (703) 684-0211
www.agma.org

AHAM
Association of Home Appliance Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
e: mwilliams@aham.org
p: (202) 872-5955
www.aham.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
e: kbest@ahrinet.org
p: (703) 293-4887
www.ahrinet.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
e: kmurdoch@ans.org
p: (708) 579-8268
www.ans.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
e: etoto@ashrae.org
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
e: ansibox@asme.org
p: (212) 591-8489
www.asme.org

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

CPLSO
CPLSO
The Marchioness Building, Commercial Road
Bristol BS16TG, UK BS1 6TG
e: pratt.hugh@cplso.org
p: (078) 796-2989

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

DirectTrust
DirectTrust.org, Inc.
1629 K Street NW
Suite 300
Washington, DC 20006
e: standards@directtrust.org
p: (240) 289-3922
www.DirectTrust.org

ECIA
Electronic Components Industry Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
e: ldonohoe@ecianow.org
p: (571) 323-0294
www.ecianow.org

EOS/ESD
ESD Association, Inc.
7902 Turin Road
Building 3
Rome, NY 13440-2069
e: laurenradmin@esda.org
p: (315) 339-6937
www.esda.org

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

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
e: fci@fluidcontrolsinstitute.org
p: (216) 241-7333
www.fluidcontrolsinstitute.org

GBI
Green Building Initiative
PO Box 80010
Portland, 97280
e: emarx@thegbi.org
p: (503) 274-8103
www.thegbi.org

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

MHI (ASC MHC)
Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
e: pdavison@mhi.org
p: (704) 714-8755
www.mhi.org

NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
e: orrpaul@aol.com
p: (703) 477-9997
www.nema.org

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

NEMA (ASC C82)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
e: Michael.Erbesfeld@nema.org
p: (703) 841-3262
www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
e: and_moldoveanu@nema.org
p: (703) 841 3290
www.nema.org

NENA
National Emergency Number Association
1700 Diagonal Road
Suite 500
Alexandria, VA 22314
e: darnold@nena.org
p: (727) 312-3230
www.nena.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
e: dbellis@nfpa.org
p: (617) 984-7246
www.nfpa.org

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

NW&RA (ASC Z245)
National Waste & Recycling Association
1550 Crystal Drive
Suite #804
Arlington, VA 22202
e: ksander@wasterecycling.org
p: (202) 364-3750
www.wasterecycling.org

OPEI
Outdoor Power Equipment Institute
1605 King Street
Alexandria, VA 22314
e: gknott@opei.org
p: (703) 549-7600
www.opei.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Rd
Exton, PA 19341
e: kcooney@scte.org
p: (800) 542-5040
www.scte.org

SDI (Canvass)
Steel Deck Institute
PO Box 426
Glenshaw, PA 15116
e: bob@sdi.org
p: (412) 487-3325
www.sdi.org

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

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
e: KSimpson@tileusa.com
p: (864) 646-8453
www.tcnatile.com

UL
Underwriters Laboratories
12 Laboratory Drive
P.O. Box 13995
Research Triangle Park, NC 27709-3995
e: Doreen.Stocker@ul.org
p: (919) 549-1391
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Annabelle.Hollen@ul.org
p: (919) 549-1313
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: griff.edwards@ul.org
p: (919) 549-0956
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Joshua.Johnson@ul.org
p: (919) 549-1053
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Nicolette.A.Weeks@ul.org
p: (919) 549-0973
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Vickie.T.Hinton@ul.org
p: (919) 549-1851
https://ul.org/

UL
Underwriters Laboratories
171 Nepean Street
Suite 400
Ottawa, ON K2P 0B4 Canada
e: sabrina.khrebtov@ul.org
p: (613) 368-4419
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062
e: Elizabeth.Northcott@ul.org
p: (847) 664-3198
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: Amy.K.Walker@ul.org
p: (847) 664-2023
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: Megan.M.VanHeirseele@ul.org
p: (847) 664-2881
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: mitchell.gold@ul.org
p: (847) 664-2850
https://ul.org/

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

UL
Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Marcia.M.Kawate@ul.org
p: (510) 319-4259
https://ul.org/

UL
Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Paul.E.Lloret@ul.org
p: (510) 319-4269
https://ul.org/

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 26870, Space systems - Launch pad and integration site operational documents - 8/2/2021, $67.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 10651-4, Lung ventilators - Part 4: Particular requirements for user-powered resuscitators - 7/31/2021, $146.00

DENTISTRY (TC 106)

ISO/FDIS 6877, Dentistry - Endodontic obturating materials - 11/6/2015, $71.00

ISO/DIS 22674, Dentistry - Metallic materials for fixed and removable restorations and appliances - 8/5/2021, $112.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 1, Geometrical product specifications (GPS) - Standard reference temperature for the specification of geometrical and dimensional properties - 11/6/2012, $40.00

EARTH-MOVING MACHINERY (TC 127)

ISO/FDIS 10261, Earth-moving machinery - Product identification numbering system -, $46.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 14520-1, Gaseous fire-extinguishing systems - Physical properties and system design - Part 1: General requirements - 11/6/2009, $165.00

ISO/DIS 14520-17, Gaseous fire-extinguishing systems - Physical properties and system design - Part 17: Halocarbon Blend 55 - 11/6/2010, $53.00

FINE CERAMICS (TC 206)

ISO/FDIS 23737, Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for evaluating wear and friction characteristics of fine ceramic thin films under dry and humid conditions - 11/10/2011, $98.00

FIRE SAFETY (TC 92)

ISO/DIS 3182, Light Measuring System for Smoke Emission Testing - 8/1/2021, $40.00

FOUNDRY MACHINERY (TC 306)

ISO/FDIS 23472-3, Foundry machinery - Vocabulary - Part 3: Die casting machines and other equipment related to permanent mold casting process - 11/7/2016, $62.00

GAS CYLINDERS (TC 58)

ISO/DIS 11114-6, Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 6: Oxygen pressure surge testing - 11/6/2010, $58.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 12643-5, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Manually fed stand-alone platen presses - 8/2/2021, $77.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO/DIS 23326, Human Resource Management - Employee engagement - Guidelines - 11/7/2011, $58.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 4373, Hydrometry - Water level measuring devices - 11/6/2012, $88.00

INDUSTRIAL TRUCKS (TC 110)

ISO/FDIS 18063-2, Rough-terrain trucks - Visibility test methods and their verification - Part 2: Slewing rough-terrain variable-reach trucks - 11/11/2006, $82.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 24143, Information and documentation - Information Governance - Concept and principles - 11/6/2010, $53.00

MACHINE TOOLS (TC 39)

ISO/DIS 19085-4, Woodworking machines - Safety - Part 4: Vertical panel circular sawing machines - 7/30/2021, $102.00

ISO/DIS 19085-8, Woodworking machines - Safety - Part 8: Belt sanding and calibrating machines for straight workpieces - 7/30/2021, $102.00

ISO/DIS 10791-10, Test conditions for machining centres - Part 10: Evaluation of thermal distortions - 11/6/2009, $112.00

MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO/DIS 5167-2, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 2: Orifice plates - 8/2/2021, $125.00

ISO/DIS 5167-4, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 4: Venturi tubes - 7/31/2021, $88.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 22266-1, Mechanical vibration - Torsional vibration of rotating machinery - Part 1: Evaluation of steam and gas turbine generator sets due to electrical excitation - 8/1/2021, $107.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 4528, Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles - 11/8/2017, $53.00

NICKEL AND NICKEL ALLOYS (TC 155)

ISO/DIS 11400, Nickel, ferronickels and nickel alloys - Determination of phosphorus content - Phosphovanadomolybdate spectrometric method - 11/7/2011, $46.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

ISO/FDIS 1247-1, Aluminium pigments for paints - Part 1: General aluminium pigments - 11/4/2003, $82.00

ISO/FDIS 1247-2, Aluminium pigments for paints - Part 2: Vacuum metallized aluminium paste - 11/4/2003, $33.00

PLAIN BEARINGS (TC 123)

ISO/DIS 4821, Plain bearings - Dynamic adhesion test method for DLC coated parts under lubricated condition - 11/6/2010, $62.00

ISO/DIS 22507, Plain bearings - Fluid film bearing materials for vehicular turbocharger - 11/6/2012, $46.00

PLASTICS (TC 61)

ISO/DIS 2078, Textile glass - Yarns - Designation - 11/6/2010, $46.00

ISO/DIS 24360, Composites and reinforcements fibres - Carbon fibre reinforced plastics (CFRPs) and metal assemblies - Determination of the cross tension strength - 11/6/2013, $58.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 23586, Conveyor belts - Indentation rolling resistance related to belt width - Requirements, testing - 7/30/2021, $53.00

RAILWAY APPLICATIONS (TC 269)

ISO/FDIS 22074-7, Railway infrastructure - Rail fastening systems - Part 7: Test method for clamping force and uplift stiffness - 11/11/2004, $53.00

ISO/FDIS 23300-1, Railway applications - Rail welding - Part 1: General requirements and test methods for rail welding - 11/7/2029, $112.00

REFRIGERATION (TC 86)

ISO/DIS 5149-4, Refrigerating systems and heat pumps - Safety and environmental requirements - Part 4: Operation, maintenance, repair and recovery - 11/7/2011, $93.00

RISK MANAGEMENT (TC 262)

ISO/DIS 31073, Risk management - Vocabulary - 11/6/2009, $62.00

ROAD VEHICLES (TC 22)

ISO/DIS 6460-1, Motorcycles - Measurement method for gaseous exhaust emissions and fuel consumption - Part 1: General test requirements - 11/6/2009, $125.00

ISO/FDIS 6622-1, Internal combustion engines - Piston rings - Part 1: Rectangular rings made of cast iron - 11/5/2002, $88.00

ISO/DIS 14229-5, Road vehicles - Unified diagnostic services (UDS) - Part 5: Unified diagnostic services on Internet Protocol implementation (UDSonIP) - 11/7/2011, $88.00

ISO/FDIS 18669-1, Internal combustion engines - Piston pins - Part 1: General specifications - 11/7/2000, $88.00

ISO/SAE FDIS 21434, Road vehicles - Cybersecurity engineering - 11/4/2011, $155.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 4646, Rubber- or plastics-coated fabrics - Low-temperature impact test - 7/30/2021, $46.00

ISO/DIS 7229, Rubber- or plastics-coated fabrics - Measurement of gas permeability - 8/1/2021, $67.00

ISO/DIS 5794-1, Rubber compounding ingredients - Silica, precipitated, hydrated - Part 1: Non-rubber tests - 8/2/2021, $98.00

ISO/DIS 22762-6, Elastomeric seismic-protection isolators - Part 6: High-durability and high-performance specifications and test methods - 7/30/2021, $112.00

SAFETY OF MACHINERY (TC 199)

ISO/DIS 13849-1.2, Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design - 7/4/2021, $175.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 24482, Large yachts - Navigational bridge visibility - 11/6/2009, $62.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 11140-6, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers - 7/31/2021, $112.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 23170, Surface chemical analysis - Depth profiling - Non-destructive depth profiling of nanoscale heavy metal oxide thin films on Si substrates with medium energy ion scattering - 7/31/2021, $88.00

ISO/DIS 24465, Surface chemical analysis - Determination of the minimum detectability of Surface Plasmon Resonance device - 8/5/2021, $58.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/FDIS 24617-11, Language resource management - Semantic annotation framework (SemAF) - Part 11: Measurable quantitative information (MQI) - 11/5/2015, $82.00

TEXTILES (TC 38)

ISO/FDIS 22958, Textiles - Water resistance - Rain tests: exposure to a horizontal water spray - 11/9/2018, $46.00

THERMAL INSULATION (TC 163)

ISO/DIS 12623, Thermal insulating products for building equipment and industrial installations - Determination of short-term water absorption by partial immersion of preformed pipe insulation - 11/6/2012, $58.00

ISO/DIS 12624, Thermal insulating products for building equipment and industrial installations - Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH - 11/6/2012, $67.00

ISO/DIS 12628, Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation - 11/6/2012, $58.00

ISO/DIS 12629, Thermal insulating products for building equipment and industrial installations - Determination of water vapour transmission properties of preformed pipe insulation - 11/6/2012, $67.00

ISO/DIS 18096, Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature for preformed pipe insulation - 11/7/2011, $67.00

ISO/DIS 18097, Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature - 11/7/2011, $71.00

ISO/DIS 18098, Thermal insulating products for building equipment and industrial installations - Determination of the apparent density of preformed pipe insulation - 11/7/2011, $46.00

ISO/DIS 18099, Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion - 11/7/2011, $46.00

ISO/DIS 23766, Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures - 11/7/2011, $53.00

ISO/DIS 29465, Thermal insulating products for building applications - Determination of length and width - 11/7/2011, $33.00

ISO/DIS 29466, Thermal insulating products for building applications - Determination of thickness - 11/7/2011, $53.00

ISO/DIS 29468, Thermal insulating products for building applications - Determination of flatness - 11/7/2011, $33.00

ISO/DIS 29469, Thermal insulating products for building applications - Determination of compression behaviour - 11/7/2011, $58.00

ISO/DIS 29766, Thermal insulating products for building applications - Determination of tensile strength parallel to faces - 11/6/2012, $40.00

ISO/DIS 29768, Thermal insulating products for building applications - Determination of linear dimensions of test specimens - 11/6/2012, $40.00

ISO/DIS 29770, Thermal insulating products for building applications - Determination of thickness for floating-floor insulating products - 11/6/2012, $40.00

ISO/FDIS 19467-2, Thermal Performance of windows and doors - Determination of solar heat gain coefficient using solar simulator - Part 2: Centre of glazing - 11/11/2009, $98.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/FDIS 16632, Tobacco and tobacco products - Determination of water content - Gas-chromatographic method - 11/11/2020, $53.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/FDIS 18513, Tourism services - Hotels and other types of tourism accommodation - Vocabulary - 11/10/2000, $53.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/FDIS 23959, Traditional Chinese Medicine - Glehnia littoralis root - 11/6/2020, $62.00

TYRES, RIMS AND VALVES (TC 31)

ISO/FDIS 10191, Passenger car tyres - Verifying tyre capabilities - Laboratory test methods - 11/10/2024, $67.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23091-3/DAmd1, Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1 - 8/7/2021, FREE

ISO/IEC DIS 4396-1, Telecommunications and information exchange between systems - Future network recursive inter-network architecture and protocols - Part 1: Reference model - 8/5/2021, FREE

ISO/IEC DIS 4396-2, Telecommunications and information exchange between systems - Future network recursive inter-network architecture and protocols - Part 2: Common application connection establishment protocol - 8/5/2021, FREE

ISO/IEC DIS 4396-3, Telecommunications and information exchange between systems - Future network recursive inter-network architecture and protocols - Part 3: Common distributed application protocol - 8/5/2021, $112.00

ISO/IEC DIS 4396-4, Telecommunications and information exchange between systems - Future network recursive inter-network architecture and protocols - Part 4: Flow allocator protocol - 8/5/2021, $62.00

ISO/IEC DIS 4396-5, Telecommunications and information exchange between systems - Future network recursive inter-network architecture and protocols - Part 5: Error and flow control protocol - 8/5/2021, FREE

ISO/IEC DIS 23092-3, Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs) - 8/6/2021, $155.00

ISO/IEC FDIS 29500-2, Document description and processing languages - Office Open XML file formats - Part 2: Open packaging conventions - 11/3/2024, $134.00

ISO/IEC DIS 23090-15, Information technology - Coded representation of immersive media - Part 15: Conformance testing for versatile video coding - 8/1/2021, $125.00

ISO/IEC DIS 23090-16, Information technology - Coded representation of immersive media - Part 16: Reference software for versatile video coding - 8/2/2021, $40.00

ISO/IEC/IEEE DIS 15026-2, Systems and software engineering - Systems and software assurance - Part 2: Assurance case - 8/1/2021, $77.00

IEC Standards

4/407(F)/FDIS, IEC 60545 ED2: Guidelines for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps, 05/28/2021

17A/1311/FDIS, IEC 62271-112 ED2: High-voltage switchgear and controlgear - Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines, 06/25/2021

17A/1312/FDIS, IEC 62271-101 ED3: High-voltage switchgear and controlgear - Part 101: Synthetic testing, 06/25/2021

17C/790/CDV, IEC 62271-212 ED2: High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS), 08/06/2021

18/1724/CD, IEC 60092-303 ED4: Electrical installations in ships - Part 303: Equipment - Power transformers and reactors, 08/06/2021

22G/436/CD, IEC 61800-3 ED4: Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods for PDS and machine tools with embedded PDS, 08/06/2021

23B/1357/DC, Draft proposal for a new part of IEC 60884 series covering plugs and socket-outlets incorporating additional functions., 08/06/2021

29/1081/CDV, IEC 60118-0 ED4: Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids, 08/06/2021

32B/701/Q, Maintenance and Revision (future Ed.5.0) of IEC 60269 -3: Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F, 06/25/2021

32B/702/CD, IEC 60269-1/AMD3 ED4: Amendment 3 - Low-voltage fuses - Part 1: General requirements, 07/09/2021

32B/703/CD, IEC 60269-2/AMD2 ED5: Amendment 2 - Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K, 07/09/2021

46/814/FDIS, IEC 62153-4-15 ED2: Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) - Test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell, 06/25/2021

47/2692/CDV, IEC 60749-10 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock device and subassembly, 08/06/2021

62D/1851(F)/CDV, ISO 80369-2 ED1: Small-bore connectors for liquids and gases in healthcare applications - Part 2: Connectors for breathing systems and driving gases, 07/30/2021

62D/1859/FDIS, IEC 60601-2-41 ED3: Medical electrical equipment - Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis, 06/25/2021

81/660/CD, IEC 62561-6 ED3: Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC), 08/06/2021

82/1904/FDIS, IEC 61724-1 ED2: Photovoltaic system performance - Part 1: Monitoring, 06/25/2021

86A/2116/CD, IEC 60794-2-10 ED3: Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables, 08/06/2021

86A/2117/CD, IEC 60794-1-311 ED1: Optical fibre cables - Part 1 -311: Generic specification - Basic optical cable test procedures - Cable element test methods - Tensile strength and elongation test for cable elements, Method G11A, 08/06/2021

86B/4468/CD, IEC 61300-2-21 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-21: Tests - Composite temperature/humidity cyclic test, 08/06/2021

86B/4469/CD, IEC 61754-20/AMD1 ED2: Amendment 1 - Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20: Type LC connector family, 08/06/2021

91/1732/FDIS, IEC 60068-2-21 ED7: Environmental testing - Part 2 -21: Tests - Test U: Robustness of terminations and integral mounting devices, 06/25/2021

95/465/FDIS, IEC 60255-187-1 ED1: Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors, generators and transformers, 06/25/2021

111/620(F)/FDIS, IEC 62321-9 ED1: Determination of certain substances in electrotechnical products - Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS), 06/11/2021

112/533/CD, IEC 61857-33 ED1: Electrical insulation systems - Procedures for thermal evaluation - Part 33: Multifactor evaluation with increased factors at elevated temperature, 08/06/2021

114/407/DTS, IEC TS 62600-202 ED1: Marine energy - Wave, tidal and other water current converters - Part 202: Scale testing of tidal stream energy systems, 08/06/2021

116/507/NP, PNW 116-507 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums, 08/06/2021

120/233/CD, IEC TR 62933-4-200 ED1: Electrical energy storage (EES) systems - Part 4-200: Guidance on environmental issues - Greenhouse gas (GHG) emission assessment by electrical energy storage (EES) systems, 07/09/2021

125/40/NP, PNW 125-40 ED1: Personal e-Transporters - Part X: Test method for total run time of e-scooter with consideration to environmental conditions of actual use, 08/06/2021

Newly Published ISO & IEC Standards

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 14501:2021, Milk and milk powder - Determination of aflatoxin M1 content - Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography, $73.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 24638:2021, Space systems - Pressure components and pressure system integration, $175.00

COPPER, LEAD AND ZINC ORES AND CONCENTRATES (TC 183)

ISO 12743:2021, Copper, lead, zinc and nickel concentrates - Sampling procedures for determination of metal and moisture content, $225.00

CRANES (TC 96)

ISO 4301-3:2021, Cranes - Classification - Part 3: Tower cranes, $73.00

FLUID POWER SYSTEMS (TC 131)

ISO 11943:2021, Hydraulic fluid power - Online automatic particle-counting systems for liquids - Methods of calibration and validation, $175.00

GAS CYLINDERS (TC 58)

ISO 18119/Amd1:2021, Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1, $20.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19170-1:2021, Geographic information - Discrete Global Grid Systems Specifications - Part 1: Core Reference System and Operations, and Equal Area Earth Reference System, $250.00

LEARNING SERVICES FOR NON-FORMAL EDUCATION AND TRAINING (TC 232)

ISO 29995:2021, Education and learning services - Vocabulary, $48.00

MACHINE TOOLS (TC 39)

ISO 3408-2:2021, Ball screws - Part 2: Nominal diameters, leads, nut dimensions and mounting bolts - Metric series, $111.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 1463:2021, Metallic and oxide coatings - Measurement of coating thickness - Microscopical method, $111.00

ISO 3613:2021, Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods, $73.00

NUCLEAR ENERGY (TC 85)

ISO 18310-2:2021, Measurement and prediction of the ambient dose equivalent from patients receiving iodine 131 administration after thyroid ablation - Part 2: External effective dose of the caregivers after release from the hospital, $73.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 8600-8:2021, Endoscopes - Medical endoscopes and endotherapy devices - Part 8: Particular requirements for capsule endoscopes, $48.00

PAINTS AND VARNISHES (TC 35)

ISO 3219-1:2021, Rheology - Part 1: Vocabulary and symbols for rotational and oscillatory rheometry, $48.00

ISO 3219-2:2021, Rheology - Part 2: General principles of rotational and oscillatory rheometry, $200.00

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

ISO 12176-5:2021, Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems, $225.00

ISO 16486-5:2021, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system, $111.00

SMALL TOOLS (TC 29)

ISO 8404:2021, Tools for moulding - Angle pins, $73.00

SOLID BIOFUELS (TC 238)

ISO 17225-2:2021, Solid biofuels - Fuel specifications and classes - Part 2: Graded wood pellets, $73.00

SOLID RECOVERED FUELS (TC 300)

ISO 21640:2021, Solid recovered fuels - Specifications and classes, $149.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO 18114:2021, Surface chemical analysis - Secondary-ion mass spectrometry - Determination of relative sensitivity factors from ion-implanted reference materials, $48.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO 7083:2021, Technical product documentation - Symbols used in technical product documentation - Proportions and dimensions, $250.00

VALVES (TC 153)

ISO 23632:2021, Industrial valves - Design validation-testing of valves, $111.00

ISO Technical Specifications

FIRE SAFETY (TC 92)

ISO/TS 16733-2:2021, Fire safety engineering - Selection of design fire scenarios and design fires - Part 2: Design fires, $225.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/TS 19166:2021, Geographic information - BIM to GIS conceptual mapping (B2GM), $149.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 24030:2021, Information technology - Artificial intelligence (AI) - Use cases, $250.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 17839-2/Amd1:2021, Information technology - Biometric System-on-Card - Part 2: Physical characteristics - Amendment 1: Additional specifications for fingerprint biometric capture devices, $20.00

ISO/IEC/IEEE 24774:2021, Systems and software engineering - Life cycle management - Specification for process description, $175.00

IEC Standards

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 61784-3-2 Ed. 4.0 b:2021, Industrial communication networks - Profiles - Part 3-2: Functional safety fieldbuses - Additional specifications for CPF 2, $443.00

IEC 61784-3-8 Ed. 3.0 b:2021, Industrial communication networks - Profiles - Part 3-8: Functional safety fieldbuses - Additional specifications for CPF8, $417.00

IEC 61784-3-13 Ed. 3.0 b:2021, Industrial communication networks - Profiles - Part 3-13: Functional safety fieldbuses - Additional specifications for CPF 13, $443.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

IEC 60350-2 Amd.1 Ed. 2.0 b:2021, Amendment 1 - Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance, $89.00

IEC 60350-2 Ed. 2.1 b:2021, Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance, $633.00

SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)

IEC 61558-2-4 Ed. 3.0 en:2021, Safety of transformers, reactors, power supply units and combinations thereof - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications, $89.00

IEC 61558-2-6 Ed. 3.0 en:2021, Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications, $89.00

S+ IEC 61558-2-4 Ed. 3.0 en:2021 (Redline version), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications, $115.00

S+ IEC 61558-2-6 Ed. 3.0 en:2021 (Redline version), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications, $115.00

Accreditation Announcements (U.S. TAGs to ISO)

Approval of Accreditation – U.S. TAG to ISO

TC 118/SC 3, Pneumatic tools and machines

Effective May 19, 2020

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to **ISO TC 118/SC 3, Pneumatic tools and machines,** and the appointment of the International Staple, Nail and Tool Association (ISANTA) as TAG Administrator, effective **May 19, 2020**. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Mr. Jeff Henry, Executive Director, ISANTA, 8735 W. Higgins Road, Suite 300, Chicago, IL 60631; phone: 847.375.6402; email: jhenry@isanta.org

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 11 - Boiler and Pressure Vessels

Reply Deadline: June 4, 2021

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 11 – Boiler and pressure vessels, which is currently in Stand-by. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 11 to the National Board of Boiler & Pressure Vessel Inspectors (NBBPVI). NBBPVI has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 11 operates under the following scope:
Standardization of construction of boilers and pressure vessels. Excluded:

- railway and marine boilers covered by ISO/TC 8;
- gas cylinders covered by ISO/TC 58;
- aircraft and vehicle components covered by ISO/TC 20;
- equipment used for fire-fighting covered by ISO/TC 21;
- personal safety equipment covered by ISO/TC 94;
- components of rotating or reciprocating devices;
- nuclear pressure equipment covered by ISO/TC 85;
- piping systems;
- cryogenic vessels covered by ISO/TC 220.

Note : Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 11. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat.
Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 11 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by **June 4, 2021**, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidance for Advertising and Marketing Affecting Children

Comment Deadline: June 11, 2021

JISC, the ISO member body for Japan, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidance for Advertising and Marketing Affecting Children, with the following scope statement:

The proposed standard will provide principles and best practice guidelines for advertising and marketing to protect children at different ages and stages of development from harm and to promote their healthy physical and psychological growth. It is proposed to include a variety of media such as television, publications, social media and other digital platforms (podcasts, YouTube), embedded advertising into television shows, movies and games that have a direct impact on children globally including. It is also proposed to include 'influencers' (i.e. children being the influencers and getting paid to advertise on social media).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 11, 2021**.

ISO New Work Item Proposal

Guidelines for Evaluating Standardization Benefits for Organizations

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for Evaluating Standardization Benefits for Organizations, with the following scope statement:

This document provides guidance for organizations to understand and apply the evaluation principles, methods and procedures of economic and social benefits of standardization. This document is generally useful for organizations to measure the benefits of standardization and improve their own standardization inputs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 4, 2021**.

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidelines for the Promotion and Implementation of Gender Equality

Comment Deadline: June 25, 2021

AFNOR, the ISO member body for France, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for the Promotion and Implementation of Gender Equality, with the following scope statement:

Standardization in the field of gender equality with the aim of developing a technical guidance on how to promote and implement gender equality in all types of organizations, public or private, regardless of their size, location and field of activity.

The objective is to develop guidelines on:
· Concepts, terms and definitions;
· Identification of existing good practices;
· Definition of actions, strategies, policies for the promotion and implementation of gender equality

Excluded: Related standardization work on diversity in human resources management as covered by ISO/TC 260 “Human resources 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, June 25, 2021.

ISO New Work Item Proposal

ISO Standard on Online Game Terminology

Comment Deadline: May 28, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on ISO standard on Online Game Terminology, with the following scope statement:

This proposal specifies the definition of terms used in game research and development, operation, management, copyright, eSports, derivative production and sales.

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, May 28, 2021**.

ISO Proposal for a New Field of ISO Technical Activity

District Energy System

Comment Deadline: June 4, 2021

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

Standardization of planning, operation, maintenance, optimization and application of the integrated district energy system with multiple energy carriers.

Excluding: specific energy (electricity or non-electricity) technologies, information technologies or control technologies within the scope of other ISO or IEC/TCs.

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 4, 2021**.

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.

BSR/ASHRAE/IES Addendum ae
to ANSI/ASHRAE/IES Standard 90.1-2019

Public Review Draft

Proposed Addendum ae to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

First Public Review (May 2021)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

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

FOREWORD

Table 8.4.4 shows minimum efficiency requirements for low-voltage dry-type transformers that are used in commercial buildings. Federal efficiency standards were updated in 2016, and the revised values were incorporated into the Table.

However, in the federal requirements, there is language that provides information on the efficiency levels for transformers with kVA ratings that are not shown in the table. See the following web site links for the language:

https://www.govinfo.gov/content/pkg/CFR-2016-title10-vol3/pdf/CFR-2016-title10-vol3-part431-subpartK.pdf Section 431.196, file page 4 of 18, document page 716

https://www.ecfr.gov/cgi-bin/text-idx?node=pt10.3.431&rgn=div5#se10.3.431_1196

This addendum updates the table to include this language in a footnote, along with language that is needed to show that there are no requirements for transformers below minimum kVA ratings or above maximum kVA ratings shown in the table.

As an example, for a single-phase dry-type transformer, the minimum efficiency requirement for a 15 kVA unit is 97.7% and the minimum efficiency requirement for a 25 kVA unit is 98.0%. If someone purchased a 20 kVA unit, then the minimum efficiency required for that transformer, using linear interpolation, would be 97.85%.

This addendum also updates the language in several places in section 8.4.4 to reference the Code of Federal Regulations (CFR) rather than the Energy Policy Act of 2005 and to align the list of exceptions to distribution transformers with the current regulatory language.

Economic Analysis

The cost-effectiveness for these transformers was determined by DOE in a rulemaking. As this is an update to match the existing table of US federal minimum efficiency requirements that have been in place since 2016, no additional economic analysis was performed.

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

Addendum ae to 90.1-2019

In section 8.4.4, make the following changes for both IP and SI

8.4.4 Low-Voltage Dry-Type Distribution Transformers

Low-voltage ~~*dry-type*~~dry-type distribution *transformers* shall comply with ~~the provisions of the Energy Policy Act of 2005, where applicable, as shown~~ the requirements shown in Table 8.4.4. *Transformers* that are not included in ~~the scope of~~ the definition of distribution *transformers* as defined in 10 CFR 431.192~~Energy Policy Act of 2005~~ have no performance requirements in this section and are listed for ease of reference as exceptions.

Exception to 8.4.4

Transformers that meet any of the following exclusions in the DOE definition of Distribution Transformers found in 10 CFR 431.192~~of the Energy Policy Act of 2005 based on 10 CFR 431 definition~~:

~~1. Special purpose applications.~~

~~2. Not likely to be used in general purpose applications.~~

1. *Transformers* with tap range of 20 percent or more~~multiple voltage taps, where the highest tap is at least 20% more than the lowest tap~~.
2. Drive (isolation) *transformer*.
3. Rectifier *transformer*.
4. Auto-*transformer*.
5. Uninterruptible power s*upply~~ystem~~ transformer*.
6. Special i~~I~~mpedance *transformer*.
7. Regulating *transformer*.
8. Sealed *transformer*.
9. Machine-~~-~~tool (control) *transformer*.
10. Welding *transformer*.
11. Grounding *transformer*.
12. Testing *transformer*.
13. Nonventilated *transformer*

…

Table 8.4.4 Minimum Nominal *Efficiency* Levels for Low-Voltage Dry-Type Distribution *Transformers*[a,b]

Single-Phase *Transformers*		Three-Phase *Transformers*	
kVA~~b~~[c]	*Efficiency*,%~~c~~[d]	kVA~~b~~[c]	*Efficiency*,%~~c~~[d]

(…contents of table are unchanged…)

a. A low-voltage dry-type distribution *transformer* is a *transformer* that is air-cooled, does not use oil as a coolant, has an input voltage ≤600 V, and is rated for operation at a frequency of 60 Hz.

b. A low-voltage dry-type distribution *transformer* with a kVA rating not listed in the table shall have its minimum efficiency level determined by linear interpolation of the kVA and efficiency values listed in the table immediately above and below its kVA rating. Extrapolation shall not be used below the minimum values or above the maximum values shown for single-phase *transformers* and three-phase *transformers*.

~~b~~c. *Kilovolt-ampere* rating.

~~c~~d. Nominal efficiencies shall be established in accordance with the 10 CFR 431.193 test procedure for low-voltage ~~*dry-type*~~ dry-type distribution *transformers*.

BSR/ASHRAE/IES Addendum ah
to ANSI/ASHRAE/IES Standard 90.1-2019

Public Review Draft

Proposed Addendum ah to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

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ASHRAE, 180 Technology Pkwy NW, Peachtree Corners, GA 30092, United States

FOREWORD

This addendum is to Section 7.5.3, which sets minimum thermal efficiency (E_t) requirements for high-capacity gas-fired water heaters in new buildings. It applies only when the total input capacity of that equipment exceeds 1,000,000 Btu/h (293 kW). The proposed changes include:

- Where a single high-capacity water heater supplies a system or there are multiple high-efficiency water heaters suppling a single system, the minimum E_t is now 92%.
- Left unchanged is the requirement that when there is a mix of high- and standard-efficiency water heaters supplying a system, the total input capacity-weighted E_t must be 90% or higher, but the language has been revised for clarity.

Clear criteria have been established for high-capacity water heaters.
Commercial water heaters that in the United States are regulated by the US Department of Energy (US DOE) under 10 CFR Part 431. These are the definitions of the products from the regulation:

- Gas-fired instantaneous water heaters with a rated input both greater than 200,000 Btu/h and not less than 4,000 Btu/h per gallon of stored water; or,
- Gas-fired storage water heaters with a rated input both greater than 105,000 Btu/h and less than 4,000 Btu/h per gallon of stored water.

These definitions are used to describe “high-capacity gas-fired service water heating equipment.” Service water heaters that are not included are consumer products regulated under 10 CFR Part 430 and “residential-duty commercial water heaters” as defined in 10 CFR Part 431. These products are rated using the Uniform Energy Factor, which cannot be readily compared to E_t.

Other changes:

- The abbreviation E_t is not a defined term, but has been improperly italicized as if it were in Section 3.3 and Section 7.5.3. This proposal removes the italicization. Future addenda will address other places where E_t is italicized.
- Editorial corrections for capitalization and hyphenation.
- The exception for buildings that use site-solar or on-site recovered energy has been deleted since there are now general provisions covering renewables in other parts of the standard.

Cost justification:
This proposal is not expected to increase the cost of construction. Neither US DOE’s Compliance Certification Database nor AHRI’s Certification Database includes any commercial gas-fired storage water heaters rated in the range from 90% to <92% thermal efficiency (E_t). There are only four model numbers of commercial gas-fired instantaneous water heaters rated in the range from 90% to <92% E_t. Three of these models are part of a

product line with a range of E_t from 87% to 90%, and the manufacturer's literature lists all models in that line at 87% E_t, leaving only one model number from one manufacturer. That model has a maximum input of 250,000 Btu/h.

A similar proposal was approved for the 2021 version of the International Energy Conservation Code. The proposal did not receive any public comments.

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

Addendum ah to 90.1-2019

Modify the standard as follows (I-P and SI Units)

Make the following changes in Section 3.3 - Abbreviations and Acronyms:

…
~~E_t~~ E_t thermal *efficiency*
…

Make the following changes in Section 7.5.3:

7.5.3 Large~~Buildings with High-Capacity~~ Service Water-Heating Systems

New *buildings* with ~~gas~~ *service water-heating systems* with a total installed ~~gas *water heating*~~ input capacity of 1,000,000 Btu/h (293 *kW*) or greater~~.~~ provided by high-capacity ~~shall have~~ gas-fired ~~service water heating equipment~~ *service water-heating equipment* shall meet either or both of the following requirements:

a. Where a single unit of high-capacity gas-fired *service water-heating equipment* is installed, it shall have~~with~~ a minimum thermal *efficiency* (~~E_t~~ E_t) of 92~~0~~%.

b. Multiple units of high-capacity gas-fired *service* ~~water heating~~*water-heating equipment* connected to the same *service water-heating system* shall have a~~are allowed to meet this requirement if the water heating input provided by *equipment* with thermal *efficiency* (E_t) above and below 90% provides an~~ total input capacity-weighted average thermal *efficiency* (E_t) of at least 90% and a minimum of 30% of the input of the high-capacity gas-fired *service water-heating equipment* in the *service water heating system* shall have a thermal *efficiency* (E_t) of at least 92%.

High-capacity gas-fired *service water-heating equipment* is comprised of gas-fired instantaneous *water heaters* with a rated input both greater than 200,000 Btu/h (58.6 *kW*) and not less than 4,000 Btu/h per gallon (310 W per litre) of stored water, and gas-fired storage *water heaters* with a rated input both greater than 105,000 Btu/h (30.8 *kW*) and less than 4,000 Btu/h per gallon (310 W per litre) of stored water.

Exception to 7.5.3

~~1. Where 25% of the annual *service water heating* requirement is provided by *on-site renewable energy* or *site-recovered energy.*~~

~~2~~1. *Water heaters* installed in individual *dwelling units*.

~~3~~2. Individual gas *water heaters* with input capacity not greater than 100,000 Btu/h (29.3 *kW*).

BSR/UL 668-202x, Standard for Hose Valves for Fire-Protection Service

1. Update of Standard

PROPOSAL

7 Materials

7.1 A hose valve intended for use on standpipes and fire pumps shall be made entirely of brass, ~~or~~ bronze, stainless steel or other material having equivalent corrosion resistant properties, except for the handwheel (see 7.3) and for the valve seal (see 17.6) of an angle pattern valve.

7.2 A straightway pattern hose valve intended for use on hydrants, and for assembly thereto by ~~bolting~~ threading the valve to the outside of the hydrant barrel at the hose outlets, shall be permitted to have a cast iron body and a bonnet intended to be bolted together. The remaining valve parts shall be made of brass, bronze, or other material having equivalent corrosion resistant properties, except for the handwheel.

11.3 A valve intended to be attached to a standpipe may be mounted with a grooved connection complying with the Standard for Grooved and Shouldered Joints, ANSI/AWWA C606.

15.4 The stuffing box bottom and the end of the gland shall be beveled or square bottomed if an O-ring is used.

17.5 The means for securing a locknut used to secure a seal holder to its stem shall give securement equivalent to that provided by the use of a pin as shown in Figure 17.1 or thread retaining compound or interference thread nut.

2. Friction Loss of Hose Valves

PROPOSAL

25A Equivalent Length Determination

25A.1 When tested as described in 25A.2 and 25A.3, the pressure loss of a hose valve, expressed in equivalent length of Schedule 40 pipe in the same nominal size as the inlet connection, shall not be more than the equivalent length value published in the installation instructions.

25A.2 A representative sample of each hose valve shall be tested. A piezometer is to be installed on both the inlet and outlet of the hose valve and connected to a differential pressure measuring device. The water flow through the test sample is to be measured using a flow-measuring device.

25A.3 At least five different water flows at velocities between 10 and 18 ft/sec (3.1 and 5.5 m/s) based upon the nominal inside diameter of the hose valve are to be established through the test sample and the pressure drop between piezometers at each flow is to be recorded. The calculated pressure loss from the piezometers, corrected for the inlet and outlet velocities, are to be subtracted from the test sample results to obtain a pressure drop for the hose valve. Using the Hazen-Williams coefficient of friction of 120, the equivalent length, in feet (m) of pipe, is to be calculated.

INSTRUCTIONS

28 General

28.1 Each shipment of hose valves shall be provided with installation instructions that shall include at least the following:

a) Reference to installation and use in accordance with NFPA 13, NFPA 13R, NFPA 14, or NFPA 20;

b) Statement that the valve is intended to be inspected, tested, and maintained in accordance with NFPA 25;

c) Hose valve style, straight or angle valve;

d) Equivalent length values of the hose valve;

e) Pressure rating;

f) Nominal size of inlet and outlet;

g) Indication of the inlet and outlet connection type; and

h) Instructions for installing the hose valve.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Addition of Reference to UL 969A for Cord Tags

PROPOSAL

54.6 To determine compliance with 54.4 flag-type tags with an adhesive back shall comply with the applicable requirements in the Standard for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products, UL 969A, for the intended cord surface, specific environmental conditions and limited slippage rating. Alternatively, for flag-type tags used in environmental ambient 40°C (104°F) or lower, the representative tags ~~that have been~~ shall be subjected to the tests described in 54.7 – 54.15 ~~shall~~ and meet the following requirements:

a) The tag shall resist tearing for longer than 1/16 inch (1.6 mm) at any point;

b) The tag shall not separate from the cord set;

c) The tag shall not slip or move along the length of the cord set more than 1/2 inch (13 mm) and there shall not be any visible damage to the cord;

d) There shall not be any permanent shrinkage, deformation, cracking, or any other condition that will render the marking on the tag illegible; and

e) Overlamination, if provided, shall remain in place and shall not be torn or otherwise damaged. The printing shall remain legible.

54.7 For ~~each type of conditioning mentioned in~~ 54.8, 54.9 and 54.10, three tags applied to the cord sets in the intended manner are to be used. Exposure conditions and ~~Tests~~ tests are to be conducted no sooner than 24 hours (preconditioning) after application of the tag.

54.8 As-Received: After preconditioning, ~~Each~~ each of three tags is to be tested (in accordance with 54.15) as received.

54.9 Elevated Temperature: Each of three tags is to be tested (in accordance with 54.15) after cooling for 30 minutes ~~of conditioning~~ at 23.0 ±2.0°C (73.4 ±3.6°F) and 50 ±5 percent relative humidity, following 240 hours of conditioning in an air-circulating oven at 60 ±1°C (140 ±1.8°F).

54.10 Humidity: Each of three tags is to be tested (in accordance with 54.15) within 1 minute after being exposed for 72 hours to a relative humidity of 85 ±5 percent at a temperature of 32.0 ±2.0°C (89.6 ±3.6°F).

54.11 If the tag is intended to be applied to outdoor cord (W) it is to be conditioned and tested as follows and in 54.12, 54.13 and 54.14. The requirement in 54.8 shall also be applied ~~too~~. Water Immersion: Each of three tags is to be ~~tested after~~ preconditioned for 24 hours ~~of exposure conditioning~~ at 23 ±2°C (73.4 ±3.6°F) and 50 ±5 percent relative

humidity, followed by 48 hours of immersion to a depth of not less than 1/8 inch (3.2 mm) in demineralized water at a temperature of 23 ±2°C (73.4 ±3.6°F). After that, each of three tags is to be tested (in accordance with 54.15) within 1 minute following the exposure condition.

54.12 Elevated Temperature: Each of three tags is to be ~~tested after~~ preconditioned for 24 hours ~~of exposure conditioning~~ at 23.0 ±2.0° C (73.4 ±3.6°F) and 50 ±5 percent relative humidity, followed by 10 days of exposure in an air-circulating oven at a temperature of 60°C (140°F). After that, each of three tags is to be tested (in accordance with 54.15) after cooling for 30 minutes at 23.0 ±2.0°C (73.4 ±3.6°F) and 50 ±5 percent relative humidity.

54.13 Low Temperature: Each of three tags is to be ~~tested after~~ preconditioned for 24 hours ~~of exposure conditioning~~ at 23.0 ±2.0° C (73.4 ±3.6°F) and 50 ±5 percent relative humidity, followed by 7 hours of exposure in a cold box at a temperature of -10 ±2°C (14.0 ±3.6°F). After that, each of three tags is to be tested (in accordance with 54.15) within 1 minute following the exposure.

54.14 Ultraviolet Light and Water: Each of three tags is to be ~~tested after~~ preconditioned for 24 hours ~~of exposure conditioning~~ at 23.0 ±2.0°C (73.4 ±3.6°F) and 50 ±5 percent relative humidity, followed by exposure to ultraviolet light and water spray with ultraviolet light by using either of the following apparatus:

a) A Twin-Enclosed Carbon-Arc Weatherometer, (Type D or DH), as described in the Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials, ASTM G 152 and ASTM G 153. Each of the tags is to be exposed to 720 hours of ultraviolet light and water spray with ultraviolet light. The operating cycle is to be 20 minutes; 17 minutes of ultraviolet light only and 3 minutes of water spray and ultraviolet light, or

b) A Xenon-Arc Weatherometer, (Type B or similar apparatus), as described in the Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials, ASTM G 155. Each of the tags is to be exposed to 1000 hours of ultraviolet light and water spray with ultraviolet light. The exposure shall be in accordance with Method A, with continuous exposure to ultraviolet light and intermittent water spray with ultraviolet light, using a programmed cycle of 120 minutes (102 minute ultraviolet light exposures and an 18 minute exposure to water spray with ultraviolet light). The apparatus shall include a 6500 W, water-cooled xenon-arc lamp, borosilicate glass inner and outer optical filters, a spectral irradiance of 0.35 W/m2 at 340 nm and a black-panel temperature of 63.0 ±3.0°C (145.0 ±5.4°F).

After that, each of three tags is to be tested (in accordance with 54.15) after 24 hours of conditioning at 23.0 ±2.0°C (73.4 ±3.6°F) and 50 ±5 percent relative humidity.

2. Editorial corrections

PROPOSAL

40.1.2 All temperature values in Table 40.1 are based on an assumed room ambient temperature of 25°C (77°F). The temperature test is to be conducted at any room temperature within the range of 10 – 40°C (50 – 104°F). If a test is conducted at an ambient temperature other than 25°C (77°F), an observed temperature shall be corrected as described in ~~35.1.2.1~~ 40.1.3. A corrected temperature shall not exceed the maximum value specified in Table ~~35.1~~ 40.1.

Exception No. 1: For a submersible pump intended for use with unheated water, the ambient temperature shall be considered to be that of the water. The tank shall have enough capacity or be otherwise arranged so that the heat from the pump has a negligible effect on overall ambient water temperature.

Exception No. 2: A submersible sump or deep-well pump is to be tested with water maintained at a temperature in the range of 15 – 25°C (59 – 77°F).

Exception No. 3: A submersible pump intended for use with heated water or assigned a maximum water temperature by the manufacturer is to be tested at the maximum water temperature. The observed temperatures are not to exceed the temperature limits specified in Table 40.1.

BSR/UL 1727, Standard for Safety for Commercial Electric Personal Grooming Appliances

1. Proposed Revision: **Addition of Cord Tag Evaluated to UL 969A**

PROPOSAL

68 Test for Permanence of Cord Tag for Hand-Supported, Hair-Drying Appliances

68.1 General

68.1.1 To determine compliance with the permanence requirements of 79.9.2 and 79.9.4, representative samples that have been subjected to the tests described in 68.2.1 – 68.3.1 shall meet the following requirements:

a) The tag shall resist tearing for longer than 1/16 inch (1.6 mm) at any point;

b) The tag shall not separate from the power-supply cord;

c) The tag shall not slip or move along the length of the power-supply cord more than 1/2 inch (12.7 mm);

d) There shall be no permanent shrinkage, deformation, cracking, or any other condition that will render the marking on the tag illegible; and

e) Overlamination shall remain in place and not be torn or otherwise damaged. The printing shall remain legible.

Exception: A cord tag that complies with the applicable requirements in the Standard for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products, UL 969A, under the intended cord surfaces, temperature, specific environmental conditions and limited slippage rating, is not required to comply with this requirement.

79.9.2 An appliance of the type described in 79.9.1 shall be provided with a tag that is permanently attached to the power-supply cord. ~~The tag material and means of attachment to the power-supply cord shall be judged under the requirements for the Test for Permanence of Cord Tag for Hand-Supported, Hair-Drying Appliances, Section 68.~~ The word "DANGER" in the warning and the heading "KEEP AWAY FROM WATER" shall be in red letters at least 3/16 inch (4.8 mm) in height. All other letters on the tag shall be black and be not less than 1/16 inch (1.6 mm) in height. All lettering shall be in block letters. The tag shall contain the following warning instructions.

KEEP AWAY FROM WATER

DANGER -

AS WITH MOST ELECTRICAL APPLIANCES, ELECTRICAL PARTS IN THIS DRYER ARE ELECTRICALLY LIVE EVEN WHEN THE SWITCH IS OFF:

TO REDUCE RISK OF DEATH BY ELECTRIC SHOCK:

1. ALWAYS "UNPLUG IT" AFTER USE.

2. DO NOT PLACE OR STORE WHERE DRYER CAN FALL OR BE PULLED INTO TUB, TOILET, OR SINK.

3. DO NOT USE NEAR OR PLACE IN WATER.

4. IF DRYER FALLS INTO WATER, UNPLUG IMMEDIATELY. DO NOT REACH INTO WATER.

79.9.4 The warning tag in 79.9.2-79.9.3 shall be permanently affixed to the power-supply cord, no more than 6 inches (152 mm) from the attachment plug and shall be made of substantial material (cardboard, cloth, plastic, or the equivalent) to provide mechanical strength and to prevent easy removal. All exposed surfaces shall have a clear plastic overlay, or the equivalent, to protect the markings. The tag shall comply with the requirements for the Test for Permanence of Cord Tag for Hand-Supported, Hair-Drying Appliances, Section 68. The tag shall be either of the following forms:

a) A flag-type tag having a hole to permit securement to the power-supply cord by a plastic strap or equivalent means. The strap shall not be removable without cutting.

b) A flag-type tag with an adhesive back. The tag is to be wrapped tightly once around and is to adhere to the supply cord. The ends of the tag are to adhere to each other and project as a flag. The required markings are to be positioned on the projecting flag portion of the tag.

79.10.2 A permanently-installed, wall-mounted hair dryer shall be provided with a marking which is readily visible after installation on:

a) The wall unit,

b) The hand unit, or

c) A tag which is permanently attached to the cord of the hand unit. ~~The tag material and means of attachment to the hand unit shall be judged under the requirements for the Test for Permanence of Cord Tag for Hand-Supported, Hair-drying Appliances, Section 68.~~

The word "DANGER" in the warning and the heading "KEEP AWAY FROM WATER" shall be in red letters at least 3/16 inch (4.8 mm) in height. All other letters on the tag shall be black and be not less than 1/16 inch (1.6 mm) in height. All lettering shall be in block letters. The marking shall contain the following warning instructions:

KEEP AWAY FROM WATER

DANGER -

AS WITH MOST ELECTRICAL APPLIANCES, ELECTRICAL PARTS IN THIS DRYER ARE ELECTRICALLY LIVE EVEN WHEN THE SWITCH IS OFF:

TO REDUCE RISK OF DEATH BY ELECTRIC SHOCK:

1. DO NOT PLACE OR STORE WHERE HAND UNIT CAN FALL OR BE PULLED INTO TUB, TOILET, OR SINK.

2. DO NOT USE NEAR OR PLACE IN WATER.

3. IF HAND UNIT FALLS INTO WATER, TURN UNIT OFF IMMEDIATELY. DO NOT REACH INTO WATER.

79.10.3 The reverse side of the warning tag or the marking on the wall unit or on the hand unit shall provide the pictorial warning illustrated in Figure 79.2, or the equivalent. The illustration shall consist of a black outline on a contrasting color background, with the slash mark in red. The height of the illustration shall be not less than 1 inch (25.4 mm) and the width not less than 2 inches (50.8 mm). The headings "DO NOT REMOVE THIS TAG!" and "WARN CHILDREN OF THE RISK OF DEATH BY ELECTRIC SHOCK!" shall be in black letters not less than 3/16 inch (4.8 mm) in height. All lettering shall be in block letters.

79.10.4 The warning tag in 79.10.2-79.10.3 shall be permanently affixed to the cord of the hand unit, no more than 6 inches (152 mm) from the wall unit and shall be made of substantial material (cardboard, cloth, plastic, or the equivalent) to provide mechanical strength and to prevent easy removal. All exposed surfaces shall have a clear plastic overlay, or the equivalent, to protect the markings. The tag shall comply with the requirements for the Test for Permanence of Cord Tag for Hand-Supported, Hair-Drying Appliances, Section 68. The tag shall be either of the following forms:

a) A flag-type tag having a hole to permit securement to the cord of the hand unit by a plastic strap or equivalent means. The strap shall not be removable without cutting.

b) A flag-type tag with an adhesive back. The tag is to be wrapped tightly once around and is to adhere to the cord of the hand unit. The ends of the tag are to adhere to each other and to project as a flag. The required markings are to be positioned on the projecting flag portion of the tag.

BSR/UL 1738, *Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV*

For your convenience in review, proposed additions to the previously proposed requirements dated 2021-03-12 are shown underlined and proposed deletions are shown ~~lined-out~~.

TOPIC 2 - Section 17 – Test Installations
PROPOSAL

Test Installations

17.1 ~~The test installation for a v~~Venting systems ~~is~~are to be ~~based~~ tested on the following ~~factors~~basis:

17.3 A venting system intended for installation through an exterior wall is to be tested as illustrated in ~~Figure 17.1 and~~ Figure 17.3~~4~~. The installation is to include all spacers, supports, flashings, and other components described in the installation instructions.