ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: May 24, 2020

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

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

Addenda

BSR/ASHRAE/ASHE Addendum b to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)
This addendum reflects the committee's continuing efforts to identify revisions necessary to align the standard with the latest addenda of ANSI/ASHRAE/USGBC/IES Standard 189.1, along with recent publication of other standards that are referenced by this standard.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum a to BSR/ASHRAE/IES Standard 202-202x, Commissioning Process for Buildings and Systems (addenda to ANSI/ASHRAE/IES Standard 202-2013)
This addendum revises the Title, Purpose, and Scope of the standard to clarify that it applies to new buildings and new systems within existing buildings.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i103r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 53-202x (i120r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2019)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking-water-treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 55-202x (i50r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)
The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 58-202x (i87r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2019)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 62-202x (i39r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2019)
This standard establishes minimum materials, design and construction, and performance requirements for point-of-use and point-of-entry drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies. Systems covered under this standard may also be designed to reduce microbiological contaminants, including bacteria, viruses, and cysts, from potable drinking water supplies. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 170-202x (i28r4), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2019)
Definitions covered by this Standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Food Equipment and Sanitation Standards.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 244-202x (i7r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2019)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This Standard establishes requirements for POU and POE drinking water treatment systems, and the materials and components used in these systems.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 401-202x (i15r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2019)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

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

Revision

BSR/NSR 44-202x (i46r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2019)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of residential cation exchange water softeners. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to owners.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: mleslie@nsf.org

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

30200 Detroit Road, Cleveland, OH 44145-1967 ph: (440) 899-0010 www.uama.org

Revision

BSR B74.11-202x, Specifications for Random Shaped Tumbling Chip Abrasives (revision of ANSI B74.11-2014)
This standard applies to random shaped tumbling chips commonly used in tumbling or vibratory barrels for the finishing of parts. The standard is being revised to update a referenced standard's date only.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: uama@wherryassoc.com

VITA (VMEbus International Trade Association (VITA))
929 W. Portobello Avenue, Mesa, AZ 85210 ph: (602) 281-4497 www.vita.com

Revision

BSR/VITA 48.1-202x, Mechanical Specification for Microcomputers Using REDI Air Cooling (revision of ANSI/VITA 48.1-2010)
VITA 48.1 defines a detailed mechanical implementation for air-cooling (i.e., cooling air flowing over the components) applications applied to PCBs/plug-in units defined in VITA 46.
Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: admin@vita.com

Comment Deadline: June 8, 2020

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

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2018)
This standard specifies practices and minimum requirements for reducing radon and soil gas entry into schools and large buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards relative to the practice of installing Active Soil Depressurization (ASD) mitigation method: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review/
Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com
Send comments (with optional copy to psa@ansi.org) to: Same

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

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2018)
This standard specifies practices and minimum requirements for reducing radon and soil gas entry into multifamily buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards relative to the practice of installing Active Soil Depressurization (ASD) mitigation method: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review/
Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com
Send comments (with optional copy to psa@ansi.org) to: Same

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

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards in Existing Homes (revision of ANSI/AARST SGM-SF-2017)
This standard specifies practices and minimum requirements for reducing radon and soil gas entry into existing homes. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards relative to the practice of installing Active Soil Depressurization (ASD) mitigation method: SGM-SF 2017, RMS-MF 2018 and RMS-LB 2018.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review/
Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com
Send comments (with optional copy to psa@ansi.org) to: Same

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 ph: (410) 990-4460 www.abycinc.org

Revision

BSR/ABYC EDU-1-202x, On-Water Recreational Boating Skills - Power (revision of ANSI/ABYC EDU-1-2015)
This consensus-based standard is designed to support course providers and raise the overall level of quality, availability, and consistency of on-water, skills-based instruction in entry-level recreational powerboat operation. This standard functions within a national system of standards for recreational boat operation.
Single copy price: $50.00
Obtain an electronic copy from: www.abycinc.org
Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 ph: (847) 704-6285 www.amca.org

New Standard

BSR/AMCA 214-202x, Test Procedure for Calculating Fan Energy Index for Commercial and Industrial Fans and Blowers (new standard)
The purpose of AMCA Standard 214, Test Procedure for Calculating Fan Energy Index for Commercial and Industrial Fans and Blowers, is to aid federal and state rulemaking efforts to establish energy-efficiency standards for commercial and industrial fans and blowers, providing a consistent method of calculating fan energy index (FEI) across the many different options or circumstances that exist in the fan market (fans sold without motors and drives, fans sold with unregulated motors or regulated motors, etc.).
Single copy price: $45.00 (AMCA members);$90.00 (non-members)
Obtain an electronic copy from: shrutik@amca.org
Order from: Shruti Kohli-Bhargava, AMCA, 30 West University Drive, Arlington Heights, IL 60004 U.S.A.
Send comments (with optional copy to psa@ansi.org) to: Shruti Kohli-Bhargava, (847) 704-6285, shrutik@amca.org

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 ph: (703) 264-7220 www.printtechnologies.org

Reaffirmation

BSR CGATS 12642-1 (IT8.7/3)-2015 (R202x), Graphic technology - Input data for characterization of four-colour process printing - Part 1: Initial data set (reaffirm a national adoption ANSI CGATS 12642-1 (IT8.7/3)-2015)
This part of ISO 12642 defines an input data file, a measurement procedure and an output data format for use in characterizing any four-color printing process.
Single copy price: $80.00
Obtain an electronic copy from: jlinder@aptech.org
Order from: Jeff Linder, (703) 264-7220, jlinder@aptech.org
Send comments (with optional copy to psa@ansi.org) to: Same

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 ph: (703) 264-7220 www.printtechnologies.org

Reaffirmation

BSR CGATS 12642-2 (IT8.7/4)-2015 (R202x), Graphic technology - Input data for characterization of 4-colour process printing - Part 2: Expanded data set (reaffirm a national adoption ANSI CGATS 12642-2 (IT8.7/4)-2015)
This part of ISO 12642 defines a data set of ink value combinations that are intended to be used to characterize 4-color process printing. This data set is not optimized for any printing process or application area but is robust enough for all general applications. The needs of publication, commercial, and package printing with offset, gravure, flexography, and other printing processes have been considered. While it is primarily aimed at process color printing with CMYK inks, it can also be used with any combination of three chromatic colored inks and a dark ink. It is an alternate to the ISO 12642-1 data set, where more robust data is required.
Single copy price: $115.00
Obtain an electronic copy from: jlinder@aptech.org
Order from: Jeff Linder, (703) 264-7220, jlinder@aptech.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 ph: (410) 267-7707 www.x9.org

Revision

BSR X9.102-202x, Symmetric Key Cryptography for the Financial Services Industry - Wrapping of Keys and Associated Data (revision of ANSI X9.102-2008 (R2017))
This standard specifies four key wrap mechanisms based on ASC X9 approved symmetric key block ciphers whose block size is either 64 bits or 128 bits. The key wrap mechanisms can provide assurance of the confidentiality and the integrity of data, especially cryptographic keys or other specialized data. The schemes specified in this Standard are defined in terms of the underlying components specified elsewhere in this document and in other ASC X9 standards.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Hwy, Park Ridge, IL 60068 ph: (847) 768-3475 www.assp.org

Reaffirmation

BSR/ASSE Z244.1-2016 (R202x), The Control of Hazardous Energy Lockout, Tagout and Alternative Methods (reaffirmation of ANSI/ASSE Z244.1-2016)
This standard covers machines, equipment, and processes in which the unexpected energization or start-up of the machines or equipment, release of stored energy, or the actions of persons could result in harm. This standard establishes requirements for the control of hazardous energy associated with machines, equipment or processes that could cause harm to personnel. The standard specifies the use of lockout (primary method), tagout, or alternative methods to control hazardous energy associated with machines, equipment, or processes that could cause harm to personnel. This standard applies to activities such as erecting, installing, constructing, repairing, adjusting, inspecting, unjamming, set up, testing, troubleshooting, cleaning, dismantling, servicing, and maintaining machines, equipment, or processes.
Single copy price: $110.00
Obtain an electronic copy from: LBauerschmidt@assp.org
Order from: LBauerschmidt@assp.org
Send comments (with optional copy to psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS A5.34/A5.34M-202x, Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2018)
This specification prescribes requirements for the classification of flux-cored and metal-cored nickel-alloy electrodes. For flux-cored electrodes, testing determines the chemical composition, mechanical properties, soundness of the weld metal, and the welding position usability characteristics of the electrode using the specified shielding gas. For metal-cored electrodes, testing determines the chemical composition, using the chemical compositions specified in AWS A5.14/A5.14M. This specification includes those compositions in which the nickel content exceeds that of any other element, but excludes nickel-base alloy compositions intended for the joining of cast irons. This specification makes use of both U.S. customary units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $36.00
Obtain an electronic copy from: gupta@aws.org
Send comments (with optional copy to psa@ansi.org) to: Rakesh Gupta, (305) 443-9353, gupta@aws.org

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-93-2009 (R202x), Repeated Wire Connection and Disconnection Test Procedure for Insulation Displacement Contacts (IDC) for Electrical Connectors (reaffirmation of ANSI/EIA 364-93-2009 (R2015))
The object of this test procedure is to assess the ability of a reusable insulation displacement termination to withstand a specified number of connections and disconnections.
Single copy price: $67.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski, emikoski@ecianow.org

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 ph: (732) 562-3874 www.ieee.org

New Standard

BSR N42.17AC-202x, Performance Specifications for Health Physics Instrumentation - Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions (new standard)
This standard establishes the minimum performance criteria for health physics instrumentation for use in ionizing radiation fields under both normal and extreme environmental conditions. Testing methods are included to establish the acceptability of each type of instrumentation. This standard does not specify which instruments or systems are required, nor does it consider the number of specific applications of such instruments.
Single copy price: Free
Obtain an electronic copy from: j.santulli@ieee.org
Order from: Jennifer Santulli, (732) 562-3874, J.Santulli@ieee.org
Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/NEMA/IEC 60974-11-2009 (R202x), Arc Welding Equipment - Part 11: Electrode Holders (reaffirmation of ANSI/NEMA/IEC 60974-11-2009)
This part of IEC 60974 is applicable to electrode holders for manual metal arc welding with electrodes up to 10 mm in diameter.
Single copy price: $105.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri, (703) 841-3278, Khaled.Masri@nema.org
Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/NEMA/IEC 60974-12-2009 (R202x), Arc Welding Equipment - Part 12: Coupling Devices for Welding Cables (reaffirmation of ANSI/NEMA/IEC 60974-12-2009)
This part of IEC 60974 is applicable to coupling devices for cables for welding and allied processes designed for connection and disconnection without using tools.
Single copy price: $105.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri, (703) 841-3278, Khaled.Masri@nema.org
Send comments (with optional copy to psa@ansi.org) to: Same

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i42r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)
This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include Greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/53914/350i42r2%20-%20JC%20memo%20&%20ballot.pdf
Order from: Jason Snider, (734) 418-6660, jsnider@nsf.org
Send comments (with optional copy to psa@ansi.org) to: Same

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 ph: (703) 678-2990 www.opei.org

Reaffirmation

BSR/OPEI B71.3-2014 (R202x), Snow Throwers - Safety Specifications (reaffirmation of ANSI/OPEI B71.3-2014)
The specifications in this standard apply to (a) walk-behind power snow throwers, (b) ride-on power snow throwers, (c) lawn ride-on tractors with snow thrower attachments, (d) lawn and garden tractors with snow thrower attachments, and (e) lever-steer ride-on machines with snow thrower attachments. These specifications are not intended to apply to hand-held snow throwers nor to airport, highway, and agricultural types of snow removal machines and equipment. This standard does not cover all of the specifications that apply to electrically powered snow throwers.
Single copy price: $180.00 USD (non-members); $144.00 USD (OPEI members)
Obtain an electronic copy from: dmustico@opei.org
Order from: Daniel Mustico, (703) 678-2990, dmustico@opei.org
Send comments (with optional copy to psa@ansi.org) to: Same

RESNET (Residential Energy Services Network, Inc.)

4867 Patina Court, Oceanside, CA 92057 ph: (760) 408-5860 www.resnet.us.com

Addenda

BSR/RESNET/ICC 301-202x Addendum B-202x, Clarifications, HVAC Quality Installation Grading, and Dehumidification (addenda to ANSI/RESNET/ICC 301-2018)
The addendum revises Standard ANSI/RESNET/ICC 301-2019, Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index: to provide clarifications; to establish definitions and inspection criteria, and provide rating credit calculations for HVAC systems installation quality grading; and to incorporate the performance of dehumidification equipment in the rating of dwelling unit energy performance.
Single copy price: $55.00
Obtain an electronic copy from: RESNET's website by following the "STANDARDS AND AMENDMENTS CURRENTLY OUT FOR PUBLIC COMMENT" link on webpage https://www.resnet.us/about/standards/resnet-ansi/
Order from: Rick Dixon, Standards Manager, RESNET, P.O. Box 4561, Oceanside, CA 92052
Send comments (with optional copy to psa@ansi.org) to: RESNET using the online comment form which is accessed by following the "STANDARDS AND AMENDMENTS CURRENTLY OUT FOR PUBLIC COMMENT" link on webpage: https://www.resnet.us/about/standards/resnet-ansi/

UL (Underwriters Laboratories, Inc.)

333 Pfingsten Road, Northbrook, IL 60062 ph: (847) 664-1292 www.ul.com

Revision

BSR/UL 231-202x, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2019)
The following changes in requirements to the Standard for Power Outlets, UL 231, are being proposed: (1) Update of GFCI requirements for power outlets and introduction of GFPE requirement; (2) Updates to limit number of service disconnects to one, and to add requirements for the accessibility of live parts on the line side of the service disconnect; (3) Use of eight AWG bonding conductors for boatyard and marina applications; and (4) Updated marking requirements for marina power outlets.
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, Inc.)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2850 www.ul.com

Revision

BSR/UL 1389-202x, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (revision of ANSI/UL 1389-2019)
The following revisions are proposed: (1) UL 1389 clarifications; (2) Area classification; (3) Addition of referenced UL 508A; (4) Addition of optional shutoff valve; (5) Revisions to clause 20.3; (6) Clarification on corrosion; (7) Addition of new sections 18A – 18H; (8) Removal of reference to oil in clause 22.2; (9) Clarification of operating pressure; (10) Revisions to section 28, Mechanical Strength Tests for Sight Glass; (11) Revisions to section 46, Permanence of Marking; (12) Revisions to section 47, Manual; and (13) Revisions to construction section 48.
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: June 23, 2020

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

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

BSR/ASME PTC 29-2005 (R202x), Speed-Governing Systems for Hydraulic Turbine-Generator Units (reaffirmation of ANSI/ASME PTC 29-2005 (R2015))
This Code applies to speed governors used on conventional, constant-speed hydraulic turbines. This Code is applicable to electronic-hydraulic and mechanical-hydraulic speed governors.
Single copy price: $102.00
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.org

Call for Members (ANS Consensus Bodies)

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

AWEA (American Wind Energy Association)

Contact: Michele Mihelic
Phone (202) 383-2500
E-mail: standards@awea.org
Office: 1501 M Street, NW,
Suite 1000
Washington, DC 20005

BSR/AWEA 61400-26-1-202x, Availability for wind energy generation systems (identical national adoption of IEC 61400 -26-1:2019)

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe
Phone (571) 323-0294
E-mail: ldonohoe@ecianow.org
Office: 13873 Park Center Road
Suite 315
Herndon, VA 20171

BSR/EIA 364-93-2009 (R202x), Repeated Wire Connection and Disconnection Test Procedure for Insulation Displacement Contacts (IDC) for Electrical Connectors (reaffirmation of ANSI/EIA 364-93-2009 (R2015))

NEMA (ASC C12) (National Electrical Manufacturers Association)

Contact: Paul Orr
Phone (703) 477-9997
E-mail: orrpaul@aol.com
Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

BSR C12.1-202x, Electric Meters - Code for Electricity Metering (revision of ANSI C12.1-2016)

ANSI C12 is Seeking General Interest Members.

NSF (NSF International)

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

BSR/NSF 170-202x (i28r4), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2019)

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

BSR/NSF 350-202x (i42r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350 -2019)

Contact: Monica Leslie
Phone (734) 827-5643
E-mail: mleslie@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF 42-202x (i103r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019)

BSR/NSF 44-202x (i46r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2019)

BSR/NSF 53-202x (i120r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2019)

BSR/NSF 55-202x (i50r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)

BSR/NSF 58-202x (i87r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2019)

BSR/NSF 62-202x (i39r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2019)

BSR/NSF 244-202x (i7r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244 -2019)

BSR/NSF 401-202x (i15r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2019)

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Contact: Donna Haders
Phone (440) 899-0010
E-mail: djh@wherryassoc.com
Office: 30200 Detroit Road
Cleveland, OH 44145-1967

BSR B74.11-202x, Specifications for Random Shaped Tumbling Chip Abrasives (revision of ANSI B74.11-2014)

UL (Underwriters Laboratories, Inc.)

Contact: Heather Sakellariou
Phone (847) 664-2346
E-mail: Heather.Sakellariou@ul.org
Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

BSR/UL 4600-2-2-202x, Standard for Safety for Evaluation of Autonomous Trucking (new standard)

VITA (VMEbus International Trade Association (VITA))

Contact: Jing Kwok
Phone (602) 281-4497
E-mail: jing.kwok@vita.com
Office: 929 W. Portobello Avenue
Mesa, AZ 85210

BSR/VITA 87-202x, MT Circular Connectors Standard (new standard)

Call for Members (ANS Consensus Bodies)

New Consensus Body

Academy Standards Board (ASB) of the American Academy of Forensic Sciences (AAFS)

Crime Scene Investigation

Application Deadline: May 29, 2020

The Academy Standards Board (ASB) of the American Academy of Forensic Sciences (AAFS) is an ANSI-accredited Standards Development Organization. It is announcing the formation of a new Consensus Body: Crime Scene Investigation. The consensus body will have 7 to 25 members based on applications received. Members will be selected by the Board of Directors of the ASB. The ASB has seven interest categories, applicants are encouraged to apply in their self-selected interest category. An on-line application form is available at http://www.asbstandardsboard.org/documents-and-forms/, the website also contains links to several relevant documents describing the ASB. Applicants are requested to submit forms to be considered for serving on the Crime Scene Investigation Consensus Bodies by May 29.

Please send any inquiries to tambrosius@aafs.org.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AISC (American Institute of Steel Construction)

Supplement

ANSI/AISC 358-S2-2020, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (supplement to ANSI/AISC 358-16; ANSI/AISC 358s1-18): 4/10/2020

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 5.4-2011 (R2020), Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel (reaffirmation of ANSI/ANS 5.4 -2011): 4/9/2020

ANSI/ANS 58.16-2014 (R2020), Safety Classification and Design Criteria for Non- Reactor Nuclear Facilities (reaffirmation of ANSI/ANS 58.16-2014): 4/9/2020

Revision

ANSI/ANS 2.27-2020, Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments (revision of ANSI/ANS 2.27-2008 (R2016)): 4/16/2020

ANSI/ANS 2.29-2020, Probabilistic Seismic Hazard Analysis (revision of ANSI/ANS 2.29-2008 (R2016)): 4/16/2020

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.80-2020, Prime Number Generation, Primality Testing, and Primality Certificates (revision of ANSI X9.80-2005 (R2013)): 4/9/2020

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

New Standard

ANSI/ASHRAE Standard 225-2020, Methods for Performance Testing Centrifugal Refrigerant Compressors and Condensing Units (new standard): 4/13/2020

Revision

ANSI/ASHRAE Standard 84-2020, Method of Testing Air-to-Air Heat/Energy Exchangers (revision of ANSI/ASHRAE Standard 84-2013): 4/13/2020

ANSI/ASHRAE Standard 146-2020, Method of Test for Rating Pool Heaters (revision of ANSI/ASHRAE Standard 146-2011): 4/17/2020

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B18.8.2-2020, Taper Pins, Dowel Pins, Straight Pins, Grooved Pins and Spring Pins (Inch Series (revision of ANSI/ASME B18.8.2-2000 (R2010)): 4/16/2020

ASTM (ASTM International)

Revision

ANSI/ASTM E2816-2020, Test Methods for Fire Resistive Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2018B): 4/15/2020

AWS (American Welding Society)

New Standard

ANSI/AWS A5.26/A5.26M-2020, Specification for Low-Alloy Steel Electrodes for Electrogas Welding (new standard): 4/10/2020

CSA (CSA America Standards Inc.)

Reaffirmation

ANSI Z21.24-2015 (R2020), Connectors for gas appliances (same as CSA 6.10) (reaffirmation of ANSI Z21.24-2015): 4/15/2020

ANSI Z21.69-2015 (R2020), Connectors for moveable gas appliances (same as CSA 6.16) (reaffirmation of ANSI Z21.69-2015): 4/15/2020

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

Reaffirmation

ANSI/ASSE 1044-2015 (R2020), Performance Requirements for Trap Seal Primer - Drainage Types and Electric Design Types (reaffirmation of ANSI/ASSE 1044-2015): 4/14/2020

ANSI/ASSE 1081-2014 (R2020), Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems (reaffirmation of ANSI/ASSE 1081-2014): 4/14/2020

ANSI/ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-2015 (R2020), Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures (reaffirmation and redesignation of ANSI/ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-2015): 4/14/2020

Revision

ANSI/ASSE 1002/ASME A112.1002/CSA B125.12-2020, Anti-Siphon Fill Valves for Water Closet Tanks (revision, redesignation and consolidation of ANSI/ASSE 1002/ASME A112.1002/CSA B125.12-2015): 4/14/2020

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

New Standard

INCITS 565:2020, Information technology - Next Generation Access Control (new standard): 4/10/2020

MSS (Manufacturers Standardization Society)

Revision

ANSI/MSS SP-44-2019, Steel Pipeline Flanges (revision of ANSI/MSS SP-44 -2016): 4/10/2020

NSF (NSF International)

Revision

ANSI/NSF 173-2020 (i62r1), Dietary Supplements (revision of ANSI/NSF 173 -2019): 4/9/2020

ANSI/NSF 350-2020 (i45r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of BSR/NSF 350-202x (i45r1)): 4/13/2020

ANSI/NSF 455-2-2020 (i4r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018): 4/8/2020

ANSI/NSF 455-2-2020 (i6r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018): 4/15/2020

ANSI/NSF 455-4-2020 (i13r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/10/2020

ANSI/NSF 455-4-2020 (i14r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/14/2020

ANSI/NSF 455-4-2020 (i15r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/14/2020

ANSI/NSF 455-4-2020 (i19r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/17/2020

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 101-2019, Hard Line Splice Connector Return Loss (revision of ANSI/SCTE 101-2011): 4/13/2020

SJI (Steel Joist Institute)

Revision

ANSI/SJI 100-2020, Standard Specifications, Load Tables For Steel Joists and Joist Girders 45th Edition K-Series, LH-Series, DLH-Series, Joist Girders (revision and redesignation of ANSI/SJI 100-2015): 4/15/2020

TIA (Telecommunications Industry Association)

New National Adoption

ANSI/TIA 455-191-C-2020, Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (identical national adoption of IEC-60793-1-45): 4/14/2020

ANSI/TIA 492AAAF-2020, Detail Specification for Class 1a graded-index multimode optical fibers; Modification of IEC 60793-2-10:2017, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (national adoption with modifications of IEC 60793-2-10:2017): 4/20/2020

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60079-0-2020, Standard for Safety for Explosive Atmospheres - Part 0: General Requirements (national adoption of IEC 60079-0 with modifications and revision of ANSI/UL 60079-0-2019): 4/15/2020

New Standard

ANSI/UL 510-2020, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (new standard): 4/17/2020

ANSI/UL 510A-2020, Standard for Safety for Component Tapes (new standard): 4/17/2020

Reaffirmation

ANSI/UL 72-2015 (R2020), Standard for Safety Tests for Fire Resistance of Record Protection Equipment (reaffirmation of ANSI/UL 72-2015): 4/17/2020

ANSI/UL 634-2015 (R2020), Standard for Safety for Connectors and Switches for Use with Burglar-Alarm Systems (reaffirmation of ANSI/UL 634-2015): 3/27/2020

Revision

ANSI/UL 83-2020, Standard for Safety for Thermoplastic-Insulated Wires and Cables (revision of ANSI/UL 83-2017): 4/10/2020

ANSI/UL 330A-2020, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85) (revision of ANSI/UL 330A-2019): 3/31/2020

ANSI/UL 330B-2020, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 330B-2015): 3/31/2020

ANSI/UL 758-2020, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2019): 4/17/2020

ANSI/UL 998-2020, Standard for Safety for Humidifiers (Proposal dated 8/9/19) (revision of ANSI/UL 998-2016a): 4/9/2020

ANSI/UL 1088-2019, Standard for Safety for Temporary Lighting Strings (revision of ANSI/UL 1088-2015): 1/28/2019

ANSI/UL 4200A-2020, Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies (revision of ANSI/UL 4200A -2015): 4/9/2020

ANSI/UL 61730-1-2020, Standard for Safety for Photovoltaic (PV) module safety qualification - Part 1: Requirements For Construction (revision of ANSI/UL 61730-1-2017): 4/15/2020

ANSI/UL 61730-2-2020, Standard for Safety for Photovoltaic (PV) module safety qualification - Part 2: Requirements For Testing (revision of ANSI/UL 61730-2-2017): 4/15/2020

VC (ASC Z80) (The Vision Council)

Revision

ANSI Z80.9-2020, Devices for Low Vision (revision of ANSI Z80.9-2010 (R2015)): 4/9/2020

Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AWEA (American Wind Energy Association)

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

New National Adoption

BSR/AWEA 61400-26-1-202x, Availability for wind energy generation systems (identical national adoption of IEC 61400-26-1:2019)

Stakeholders: Wind energy stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.

Project Need: AWEA intends identical adoption of IEC 61400-26-1:2019.

IEC 61400-26-1:2019 defines an information model from which time-based and production-based availability indicators for services can be derived and reported. The purpose is to provide standardized metrics that can be used to create and organize methods for availability calculation and reporting according to the user's needs. The document provides information categories, which unambiguously describe how data is used to characterize and categorize the operation. The information model specifies category priority for discrimination between possible concurrent categories. Further, the model defines entry and exit criteria to allocate fractions of time and production values to the proper information category. A full overview of all information categories, exit and entry criteria is given in Annex. The document can be applied to any number of WTGSs, whether represented by an individual turbine, a fleet of wind turbines, a wind power station, or a portfolio of wind power stations. A wind power station is typically made up of all WTGSs, functional services, and balance of plant elements as seen from the point of common coupling.

ESTA (Entertainment Services and Technology Association)

Contact: Karl Ruling, (212) 244-1505, standards@esta.org
630 Ninth Avenue, Suite 609, New York, NY 10036-3748

Revision

BSR E1.19-202x, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry (revision of ANSI E1.19-2015)

Stakeholders: Stage electricians and performers, and their employers; specifiers and manufacturers of power distribution equipment for the entertainment industry.

Project Need: The existing standard is being revised to give better guidance on water and moisture hazard assessment and to remove references to GFCI products that are difficult or impossible to obtain.

E1.19 standard is intended to offer guidance, in accordance with existing applicable standards, on how to select, install, use, and maintain Class A ground fault protection devices with nominal 5 mA trip settings in the entertainment industry.

NEMA (ASC C12) (National Electrical Manufacturers Association)

Contact: Paul Orr, (703) 477-9997, orrpaul@aol.com
1300 North 17th Street, Suite 900, Rosslyn, VA 22209

Revision

BSR C12.1-202x, Electric Meters - Code for Electricity Metering (revision of ANSI C12.1-2016)

Stakeholders: Utilities, meter manufacturers, AHJ's.

Project Need: This project is needed to address requirements for updated electricity meter technology.

This Standard establishes acceptable performance criteria for electricity meters. Accuracy class designations, current class designations, voltage and frequency ratings, test current values, service connection arrangements, pertinent dimensions, form designations, and environmental tests are covered. This version of C12.1 has been modified in several areas in an effort to respond to a changing industry and to improve the clarity of some of the tests. In the North American market, electromechanical meters are no longer manufactured and tests related to them have been deprecated. Additional work in the field of Electro-Magnetic Compatibility and Auxiliary Communications Device Influence has also been included in this version. The content of another standard in this series, ANSI C12.20, has been merged into C12.1 so that there is now a singular document that covers the entire Code for Electricity Metering. Blondel and non-Blondel meters are both covered by this new version of C12.1.

UL (Underwriters Laboratories, Inc.)

Contact: Heather Sakellariou, (847) 664-2346, Heather.Sakellariou@ul.org
333 Pfingsten Road, Northbrook, IL 60062-2096

New Standard

BSR/UL 4600-2-2-202x, Standard for Safety for Evaluation of Autonomous Trucking (new standard)

Stakeholders: Autonomous Trucking industry.

Project Need: To obtain national recognition of a standard covering safety principles and processes for evaluation of autonomous trucks and their ability to perform the intended function without human intervention. This project will build upon ANSI/UL 4600 while addressing needs unique to the trucking industry.

This standard covers the safety principles and processes for evaluation of autonomous trucks primarily intended for freight on public roads, and specifically their ability to perform the intended function without human intervention based on their current state and sensing of the operating environment. The standard also covers the reliability of hardware and software necessary for machine learning, sensing of the operating environment, and other safety aspects of autonomy.

VITA (VMEbus International Trade Association (VITA))

Contact: Jing Kwok, (602) 281-4497, jing.kwok@vita.com
929 W. Portobello Avenue, Mesa, AZ 85210

New Standard

BSR/VITA 87-202x, MT Circular Connectors Standard (new standard)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: Define a standard for providing optical MT through standard circular bulkhead connectors.

VITA 87 defines a standard for circular connectors with optical MT. Circular connector shells are compliant to MIL-STD-38999. MT offer options for 12 or 24 fibers per MT and for physical contact or lensed MT.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- **AAMI (Association for the Advancement of Medical Instrumentation)**
- **AARST (American Association of Radon Scientists and Technologists)**
- **AGA (American Gas Association)**
- **AGSC (Auto Glass Safety Council)**
- **ASC X9 (Accredited Standards Committee X9, Incorporated)**
- **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
- **ASME (American Society of Mechanical Engineers)**
- **ASTM (ASTM International)**
- **GBI (Green Building Initiative)**
- **HL7 (Health Level Seven)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

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

ANSI-Accredited Standards Developers Contact Information

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

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

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

AISC
American Institute of Steel Construction
130 E. Randolph Street, Suite 2000
Chicago, IL 60601
Phone: (314) 601-5420
Web: www.aisc.org

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285
Web: www.amca.org

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

APTech (ASC CGATS)
Association for Print Technologies
1896 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7220
Web: www.printtechnologies.org

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

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

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

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Hwy
Park Ridge, IL 60068
Phone: (847) 768-3475
Web: www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
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Web: www.astm.org

AWEA
American Wind Energy Association
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AWS
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Web: www.aws.org

CSA
CSA America Standards Inc.
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Cleveland, OH 44131
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Web: www.csagroup.org

ECIA
Electronic Components Industry Association
13873 Park Center Road
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Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

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

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015
Web: www.asse-plumbing.org

IEEE (ASC C63)
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3874
Web: standards.ieee.org

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

MSS
Manufacturers Standardization Society
127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Web: www.mss-hq.org

NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 477-9997
Web: www.nema.org

NEMA (ASC W1)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3278
Web: www.nema.org

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

OPEI
Outdoor Power Equipment Institute
1605 King Street
Alexandria, VA 22314
Phone: (703) 678-2990
Web: www.opei.org

RESNET
Residential Energy Services Network, Inc.
4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860
Web: www.resnet.us.com

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

SJI
Steel Joist Institute
234 W. Cheves Street
Florence, SC 29501
Phone: (843) 407-4091
Web: www.steeljoist.org

TIA
Telecommunications Industry Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Web: www.tiaonline.org

UAMA (ASC B74)
Unified Abrasives Manufacturers' Association
30200 Detroit Road
Cleveland, OH 44145-1967
Phone: (440) 899-0010
Web: www.uama.org

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2346
Web: www.ul.com

VC (ASC Z80)
The Vision Council
225 Reinekers Lane
Alexandria, VA 22314
Phone: 585-387-9913
Web: www.z80asc.com

VITA
VMEbus International Trade Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.com

ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 18449, Green tea - Vocabulary - 7/10/2020, $58.00

AIR QUALITY (TC 146)

ISO/DIS 12219-1, Interior air of road vehicles - Part 1: Whole vehicle test chamber - Specification and method for the determination of volatile organic compounds in cabin interiors - 7/12/2020, $93.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 16781, Space systems - Simulation requirements for control system - 7/10/2020, $82.00

BAMBOO AND RATTAN (TC 296)

ISO/DIS 23066, Vocabulary related to rattan materials and products - 7/10/2020, $40.00

ISO/DIS 21626-1, Bamboo charcoal - Part 1: Generalities - 6/29/2020, $46.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 5116-1, Improving transparency in financial and business reporting - Harmonisation topics - Part 1: European data point methodology for supervisory reporting - 7/3/2020, $77.00

ISO/DIS 5116-2, Improving transparency in financial and business reporting - Harmonisation topics - Part 2: Guidelines for data point modelling - 7/3/2020, $102.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 11855-5, Building environment design - Embedded radiant heating and cooling systems - Part 5: Installation - 7/3/2020, $62.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/DIS 16890-2, Air filters for general ventilation - Part 2: Measurement of fractional efficiency and air flow resistance - 7/3/2020, $125.00

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

ISO/DIS 22873, Quality control for batching and mixing steel fibre-reinforced concretes - 7/4/2020, $46.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 19694-1, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 1: General aspects - 11/9/2020, $102.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7203-4, Fire extinguishing media - Foam concentrates - Part 4: Specification for Class A foam concentrates for application on Class A fires - 7/4/2020, $88.00

FOUNDRY MACHINERY (TC 306)

ISO/DIS 23472-3, Foundry machinery - Terminology - Part 3: Die casting machines and other equipment related to permanent mold casting process - 7/11/2020, $67.00

GAS CYLINDERS (TC 58)

ISO/DIS 15245-1, Gas cylinders - Parallel threads for connection of valves to gas cylinders - Part 1: Specification - 6/28/2020, $46.00

GOVERNANCE OF ORGANIZATIONS (TC 309)

ISO/DIS 37000, Guidance for the governance of organizations - 7/4/2020, $102.00

ISO/DIS 37002, Whistleblowing management systems - Guidelines - 7/2/2020, $98.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 21632/DAmd1, - Amendment 1 - 7/12/2020, $29.00

IMPLANTS FOR SURGERY (TC 150)

ISO 13779-3/DAmd1, - Amendment 1 - 6/25/2020, $29.00

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

ISO/DIS 29994, Learning services - Additional requirements for distance learning - 6/29/2020, $46.00

ISO/DIS 29995, Education and learning services - Terminology - 6/28/2020, $77.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO/DIS 10074, Anodizing of aluminium and its alloys - Specification for hard anodic oxidation coatings on aluminium and its alloys - 7/4/2020, $71.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 23364, Optics and Photonics - Bulk absorption optical filters - 7/4/2020, $71.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 19918/DAmd1, - Amendment 1: Extraction and chemical analysis - 7/2/2020, $29.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 4259-1/DAmd2, - Amendment 2: Updating definition of r and R - 7/4/2020, $29.00

PLAIN BEARINGS (TC 123)

ISO/DIS 12167-2, Plain bearings - Hydrostatic plain journal bearings with drainage grooves under steady-state conditions - Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings with drainage grooves - 7/3/2020, FREE

PLASTICS (TC 61)

ISO/DIS 871, Plastics - Determination of ignition temperature using a hot-air furnace - 7/3/2020, $67.00

ISO/DIS 14632, Extruded sheets of polyethylene (PE-HD) - Requirements and test methods - 7/5/2020, $53.00

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

ISO/DIS 17885, Plastics piping systems - Mechanical fittings for pressure piping systems - Specifications - 7/3/2020, $107.00

ISO/DIS 16486-5, 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 - 7/2/2020, $62.00

PROJECT, PROGRAMME AND PORTFOLIO MANAGEMENT (TC 258)

ISO/DIS 21500, Project, programme and portfolio management - Context and concepts - 6/28/2020, $58.00

ISO/DIS 21502, Project, programme and portfolio management - Guidance on project management - 6/28/2020, $125.00

RAILWAY APPLICATIONS (TC 269)

ISO/DIS 12856-1, Railway applications - Polymeric composite sleepers bearers and transoms - Part 1: Material characteristics - 7/4/2020, $53.00

ISO/DIS 12856-3, Railway applications - Polymeric composite sleepers bearers and transoms - Part 3: General requirements - 6/29/2020, $107.00

ROAD VEHICLES (TC 22)

ISO/DIS 12614-8, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve - 7/3/2020, $40.00

ISO/DIS 17215-3, Road vehicles - Video communication interface for cameras (VCIC) - Part 3: Camera message dictionary - 7/4/2020, $119.00

ISO/DIS 18669-1, Internal combustion engines - Piston pins - Part 1: General specifications - 6/25/2020, $88.00

ISO/DIS 23239-1, Road vehicles - Vehicle domain service - Part 1: General information and use case definitions - 7/4/2020, $107.00

ISO/DIS 12614-18, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 18: Gas temperature sensor - 7/3/2020, $33.00

ISO/DIS 12614-19, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 19: Automatic valve - 7/3/2020, $40.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 18752, Rubber hoses and hose assemblies - Wire- or textile-reinforced single-pressure types for hydraulic applications - Specification - 7/5/2020, $67.00

ISO/DIS 20444, Rubber and plastics hoses - Determination of abrasion resistance of the outer coverAbrasion tests where the hose is rotated against a reciprocating abrasion tool - 7/5/2020, $46.00

SAFETY OF MACHINERY (TC 199)

ISO/DIS 13849-1, Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design - 7/2/2020, $175.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 15372/DAmd1, - Amendment 1: Oil-resistance test - 6/27/2020, $29.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 15901-2, Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption - Part 2: Analysis of nanopores by gas adsorption - 7/10/2020, $93.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 20957-6, Stationary training equipment - Part 6: Treadmills, additional specific safety requirements and test methods - 7/11/2020, $77.00

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

ISO/DIS 11199-1, Assistive products for walking, manipulated by both arms - Requirements and test methods - Part 1: Walking frames - 7/5/2020, $107.00

ISO/DIS 11199-2, Assistive products for walking, manipulated by both arms - Requirements and test methods - Part 2: Rollators - 7/5/2020, $107.00

TEXTILES (TC 38)

ISO/DIS 1140, Fibre ropes - Polyamide - 3-, 4-, 8- and 12-strand ropes - 7/5/2020, $40.00

ISO/DIS 1141, Fibre ropes - Polyester - 3-, 4-, 8- and 12-strand ropes - 7/5/2020, $40.00

ISO/DIS 1346, Fibre ropes - Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes - 7/10/2020, $46.00

ISO/DIS 2313-1, Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 1: Method of the horizontally folded specimen - 7/10/2020, $40.00

ISO/DIS 2313-2, Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 2: Method of the vertically folded specimen - 7/10/2020, $46.00

ISO/DIS 1833-22, Textiles - Quantitative chemical analysis - Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride) - 7/10/2020, $33.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 11806-1, Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers - Part 1: Machines fitted with an integral combustion engine - 7/12/2020, $112.00

ISO/DIS 11806-2, Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers - Part 2: Machines for use with back-pack power unit - 7/12/2020, $62.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 21217, Intelligent transport systems - Station and communication architecture - 6/20/2020, $125.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 8205, Resistance welding equipment - Water-cooled secondary connection cablesDimensions and requirements for double-conductor connection cables - 6/29/2020, $71.00

ISO/DIS 23598, Mechanical joining - Destructive testing of joints - Specimen dimensions and test procedure for mechanized peel testing of single joints - 7/5/2020, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 5055, Information technology - Software measurement - Software quality measurement - Automated source code quality measures - 6/28/2020, $215.00

ISO/IEC DIS 14882, Programming languages - C++ - 7/5/2020, $411.00

ISO/IEC DIS 18045, Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Methodology for IT security evaluation - 6/20/2020, $281.00

ISO/IEC DIS 15408-1, Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 1: Introduction and general model - 6/22/2020, $175.00

ISO/IEC DIS 15408-2, Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 2: Security functional components - 6/22/2020, $230.00

ISO/IEC DIS 18328-2, Identification cards - ICC-managed devices - Part 2: Physical characteristics and test methods for cards with devices - 6/29/2020, $82.00

ISO/IEC DIS 19075-1, Information technology - Guidance for the use of database language SQL - Part 1: XQuery regular expressions - 6/27/2020, $88.00

ISO/IEC DIS 19075-2, Information technology - Guidance for the use of database language SQL - Part 2: Time-related information - 6/27/2020, $102.00

ISO/IEC DIS 19075-3, Information technology - Guidance for the use of database language SQL - Part 3: SQL embedded in programs using the JavaTM programming language - 6/27/2020, $82.00

ISO/IEC DIS 19075-4, Information technology - Guidance for the use of database language SQL - Part 4: Routines and types using the JavaTM programming language - 6/27/2020, $119.00

ISO/IEC DIS 19075-5, Information technology - Guidance for the use of database language SQL - Part 5: Row pattern recognition - 6/27/2020, $146.00

ISO/IEC DIS 19075-6, Information technology - Guidance for the use of database language SQL - Part 6: Support for JSON - 6/27/2020, $155.00

ISO/IEC DIS 19075-7, Information technology - Guidance for the use of database language SQL - Part 7: Polymorphic table functions - 6/27/2020, $185.00

ISO/IEC DIS 19075-8, Information technology - Guidance for the use of database language SQL - Part 8: Multidimensional arrays - 6/27/2020, $125.00

ISO/IEC DIS 19794-7, Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data - 7/3/2020, $146.00

ISO/IEC DIS 23090-2, Information technology - Coded representation of immersive media - Part 2: Omnidirectional media format - 7/10/2020, $230.00

ISO/IEC DIS 14165-147, Information technology - Fibre channel - Part 147: Physical interfaces - 7 (FC-PI-7) - 6/29/2020, $112.00

IEC Standards

1/2430/CDV, IEC 60050-631 ED1: International Electrotechnical Vocabulary (IEV) - Part 631: Electrical energy storage systems, 2020/7/10

3/1445/CD, IEC 60757 ED2: Code for designation of colours, 2020/7/10

13/1803/CDV, IEC 62053-41 ED1: Electricity metering equipment (DC direct current) - Particular requirements - Part 41 - Static meter for active energy (class 0.5 and 1), 2020/7/10

13/1810/NP, PNW 13-1810: IEC 62057-3 ED1 Test equipment, techniques and procedures for electrical energy meters - Part 2: Automatic Meter Testing System (AMTS), 2020/7/10

14/1049/CD, IEC 60076-19 ED1: Power transformers - Part 19: Rules for the determination of uncertainties in the measurement of the losses on power transformers, 2020/7/10

17A/1269/FDIS, IEC 62271-108 ED2: High-voltage switchgear and controlgear - Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV, 2020/5/29

40/2744/CDV, IEC 60384-2 ED5: Fixed capacitors for use in electronic equipment - Part 2: Sectional specification - Fixed metallized polyethylene terephthalate film dielectric d.c. capacitors, 2020/7/10

47E/701/CDV, IEC 60747-5-6 ED2: Semiconductor devices - Part 5-6: Optoelectronic devices - Light emitting diodes, 2020/7/10

47E/702/CDV, IEC 60747-5-13 ED1: Semiconductor devices - Part 5 -13: Optoelectronic devices - Hydrogen sulphide corrosion test for LED packages, 2020/7/10

48D/719/CDV, IEC 61587-6 ED2: Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 6: Security aspects for indoor cabinets, 2020/7/10

55/1851(F)/FDIS, IEC 60317-0-6 ED2: Specifications for particular types of winding wires - Part 0-6: General requirements - Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, 020/5/8/

57/2217/FDIS, IEC 62351-4/AMD1 ED1: Amendment 1 - Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS and derivatives, 2020/5/29

59/727/CD, IEC 63237-1 ED1: Household and similar electrical appliances - Product information properties - Part 1: Fundamentals, 2020/7/10

59L/178/CD, IEC 60704-2-15 ED1: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-15: Particular requirements for food waste disposers, 2020/7/10

59M/123/FDIS, IEC 63169 ED1: Electrical household and similar cooling and freezing appliances - Food preservation, 2020/5/29

79/635/NP, PNW 79-635: Alarm systems - Video Surveillance Systems (VSS) for use in security applications - Part 2-11: Interop profiles for VMS- and cloud VSaaS-systems for safe-cities and law-enforcement, 2020/7/10

86A/2004/CD, IEC TR 63309 ED1: Active fibres - Characteristics and Measurement Methods - Guidance, 2020/7/10

88/762/FDIS, IEC 61400-27-1 ED2: Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models, 2020/5/29

88/763/FDIS, IEC 61400-27-2 ED1: Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation, 2020/5/29

91/1647/CD, IEC 61189-2-807 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-807: Test methods for materials for interconnection structures - Decomposition Temperature (Td) using TGA, 2020/6/12

100/3426/CD, IEC TR 63308 ED1: VR/AR/MR systems and equipment, 2020/7/10

105/797/DTS, IEC TS 62282-9-102 ED1: Fuel cell technologies - Part 9-102: Product category rules for environmental product declarations of stationary fuel cell power systems and alternative systems for residential applications, 2020/7/10

115/235/CD, IEC TR 62681 ED2: Electromagnetic performance of high voltage direct current (HVDC) overhead transmission lines, 2020/6/12

116/455(F)/FDIS, IEC 62841-3-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-7: Particular requirements for transportable wall saws, 020/5/8/

SyCSM/42/DTR, ISO/IEC TR 63306-1 ED1: Smart Manufacturing Standards Map (SM2) - Part 1: Framework, 2020/6/12

JTC1-SC25/2949/CD, ISO/IEC 24383 ED1: Information technology - Physical network security for the accommodation of customer premises cabling infrastructure and information technology equipment, 2020/7/10

JTC1-SC41/157/NP, PNW JTC1-SC41-157: Internet of Things (IoT) - Base station based underwater acoustic network (B-UWAN) - Overview and requirements, 2020/7/10

Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 29110-3-1:2020, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-1: Process assessment guidelines, $232.00

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM 52903-1:2020, Additive manufacturing - Material extrusion-based additive manufacturing of plastic materials - Part 1: Feedstock materials, $45.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 3657:2020, Animal and vegetable fats and oils - Determination of saponification value, $68.00

ISO 11050:2020, Wheat flour and durum wheat semolina - Determination of impurities of animal origin, $103.00

ISO 23305:2020, Fortified milk powders, infant formula and adult nutritionals - Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction, $103.00

BUILDING CONSTRUCTION (TC 59)

ISO 7078:2020, Buildings and civil engineering works - Procedures for setting out, measurement and surveying - Vocabulary, $45.00

ISO 21597-1:2020, Information container for linked document delivery - Exchange specification - Part 1: Container, $185.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO 52031:2020, Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Space emission systems (heating and cooling), $185.00

FASTENERS (TC 2)

ISO 3506-6:2020, Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 6: General rules for the selection of stainless steels and nickel alloys for fasteners, $138.00

FLUID POWER SYSTEMS (TC 131)

ISO 10770-3:2020, Hydraulic fluid power - Electrically modulated hydraulic control valves - Part 3: Test methods for pressure control valves, $185.00

INDUSTRIAL TRUCKS (TC 110)

ISO 22915-15:2020, Industrial trucks - Verification of stability - Part 15: Counterbalanced trucks with articulated steering, $45.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 22576:2020, Optics and photonics - Optical materials and components - Specification of calcium fluoride used in the infrared spectrum, $45.00

OTHER

ISO 22688:2020, Brazing - Quality requirements for brazing of metallic materials, $162.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 14935:2020, Petroleum and related products - Determination of wick flame persistence of fire-resistant fluids, $68.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

ISO 787-19:2020, General methods of test for pigments - Part 19: Determination of water-soluble nitrates (Salicylic acid method), $45.00

PLAIN BEARINGS (TC 123)

ISO 11687-3:2020, Plain bearings - Pedestal plain bearings - Part 3: Centre flange bearings, $68.00

PLASTICS (TC 61)

ISO 22403:2020, Plastics - Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions - Test methods and requirements, $45.00

ISO 26723:2020, Plastics - Determination of total luminous transmittance and reflectance, $68.00

ISO 20819-1:2020, Plastics - Wood-plastic recycled composites (WPRC) - Part 1: Specification, $103.00

ROAD TRAFFIC SAFETY MANAGEMENT SYSTEMS (TC 241)

ISO 39002:2020, Road traffic safety - Good practices for implementing commuting safety management, $162.00

TEXTILES (TC 38)

ISO 22195-1:2020, Textiles - Determination of index ingredient from coloured textiles - Part 1: Madder, $45.00

TIMBER STRUCTURES (TC 165)

ISO 19993:2020, Timber structures - Glued laminated timber - Face and edge joint cleavage test, $45.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 23919:2020, Cigarettes - Determination of ammonia in cigarette mainstream smoke using ion chromatography, $68.00

TOURISM AND RELATED SERVICES (TC 228)

ISO 22483:2020, Tourism and related services - Hotels - Service requirements, $162.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 13772/Amd1:2020, Forestry machinery - Portable chain-saws - Non-manually actuated chain brake performance - Amendment 1, $19.00

ISO 4254-6:2020, Agricultural machinery - Safety - Part 6: Sprayers and liquid fertilizer distributors, $138.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 20901:2020, Intelligent transport systems - Emergency electronic brake light systems (EEBL) - Performance requirements and test procedures, $103.00

ISO 17572-4:2020, Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 4: Precise relative location references (precise relative profile), $162.00

ISO Technical Reports

BIOMIMETICS (TC 266)

ISO/TR 23845:2020, Biomimetics - Ontology-Enhanced Thesaurus (OET) for biomimetics, $138.00

GEOSYNTHETICS (TC 221)

ISO/TR 18228-1:2020, Design using geosynthetics - Part 1: General, $68.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/TR 22814:2020, Good practice for dynamic light scattering (DLS) measurements, $138.00

ISO Technical Specifications

GEARS (TC 60)

ISO/TS 14521:2020, Gears - Calculation of load capacity of worm gears, $232.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/TS 20498-3:2020, Traditional Chinese medicine - Computerized tongue image analysis system - Part 3: Colour chart, $68.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-10:2020, Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format, $138.00

OTHER

ISO/IEC TS 17021-12:2020, Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 12: Competence requirements for auditing and certification of collaborative business relationship management systems, $45.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 60098 Ed. 4.0 b:2020, Analogue audio disk records and reproducing equipment, $235.00

IEC 62753 Ed. 1.0 b:2015, Digital terrestrial television receivers for the DTMB system, $352.00

IEC 62680-1-1 Ed. 1.0 b:2015, Universal serial bus interfaces for data and power - Part 1-1: Common components - USB Battery Charging Specification, Revision 1.2, $352.00

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

IEC 60384-11 Ed. 4.0 b cor.1:2020, Corrigendum 1 - Fixed capacitors for use in electronic equipment - Part 11: Sectional specification - Fixed polyethylene-terephthalate film dielectric metal foil DC capacitors, $0.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 62020-1 Ed. 1.0 b:2020, Electrical accessories - Residual current monitors for household and similar uses (RCMs), $375.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 60364-7-708 Ed. 3.0 b:2017, Low-voltage electrical installations - Part 7-708: Requirements for special installations or locations - Caravan parks, camping parks and similar locations, $82.00

ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

IEC 60092-350 Ed. 5.0 b:2020, Electrical installations in ships - Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications, $317.00

FIBRE OPTICS (TC 86)

IEC 61280-4-1 Ed. 3.0 b cor.1:2020, Corrigendum 1 - Fibre-optic communication subsystem test procedures - Part 4-1: Installed cabling plant - Multimode attenuation measurement, $0.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 63129 Ed. 1.0 b:2020, Determination of inrush current characteristics of lighting products, $117.00

PRIMARY CELLS AND BATTERIES (TC 35)

IEC 60086-4 Ed. 5.0 b cor.2:2020, Corrigendum 2 - Primary batteries - Part 4: Safety of lithium batteries, $0.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 62788-1-7 Ed. 1.0 b:2020, Measurement procedures for materials used in photovoltaic modules - Part 1-7: Encapsulants - Test procedure of optical durability, $82.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

IEC 62739-3 Ed. 1.0 b:2017, Test method for erosion of wave soldering equipment using molten lead-free solder alloy - Part 3: Selection guidance of erosion test methods, $235.00

IEC 61189-5-504 Ed. 1.0 b:2020, Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-504: General test methods for materials and assemblies - Process ionic contamination testing (PICT), $164.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

IEC 60947-1 Ed. 6.0 b:2020, Low-voltage switchgear and controlgear - Part 1: General rules, $410.00

IEC 60947-3 Ed. 4.0 b:2020, Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units, $375.00

IEC 60947-4-1 Ed. 4.0 b cor.1:2020, Corrigendum 1 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, $0.00

IEC 60947-5-1 Ed. 4.0 b cor.2:2020, Corrigendum 2 - Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $0.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

IEC 61400-6 Ed. 1.0 en:2020, Wind energy generation systems - Part 6: Tower and foundation design requirements, $387.00

IEC Technical Reports

HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION FOR DC VOLTAGES ABOVE 100 KV (TC 115)

IEC/TR 63179-1 Ed. 1.0 en:2020, Guideline for planning of HVDC systems - Part 1: HVDC systems with line-commutated converters, $199.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

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

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

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

ANSI's Executive Standards Council has approved the reaccreditation of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), an ANSI Member and Accredited Standards Developer, under its recently revised Procedures for ASHRAE Standards Actions for documenting consensus on ASHRAE-sponsored American National Standards, effective April 21, 2020. For additional information, please contact: Ms. Tanisha Meyers-Lisle, Procedures Administrator, ASHRAE, 1791 Tullie Circle, NE, Atlanta, GA 30329; phone: 678.539.1111; e-mail: TMeyers-Lisle@ashrae.org.

International Code Council (ICC)

ANSI's Executive Standards Council has approved the reaccreditation of the International Code Council (ICC), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ICC-sponsored American National Standards, effective April 17, 2020. For additional information, please contact: Mr. Karl Aittaniemi, P.E., Director of Standards, Codes and Standards Development, International Code Council, Central Regional Office, 4051 Flossmoor Road, Country Club Hills, IL 60478; phone: 888.422.7233, ext. 4205; e-mail: kaittaniemi@iccsafe.org.

Kitchen Cabinet Manufacturers Association (KCMA)

The reaccreditation of the Kitchen Cabinet Manufacturers Association (KCMA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on KCMA-sponsored American National Standards, effective April 16, 2020. For additional information, please contact: Mr. Chuck Arnold, Director of Certification, Kitchen Cabinet Manufacturers Association, 1899 Preston White Drive, Reston, VA 20191; phone: 703.264.1690; e-mail: carnold@kcma.org.

Reaccreditation

Robotic Industries Association (RIA)

Comment Deadline: May 26, 2020

The Robotic Industries Association (RIA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on RIA-sponsored American National Standards, under which it was last reaccredited in 2014. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Carole Franklin, Director of Standards Development, Robotic Industries Association, 900 Victors Way, Suite 140, Ann Arbor, MI 48108; phone: 734.994.6088; email: cfranklin@robotics.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to RIA by May 26, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 17 – Steel

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17 operate under the following scope:

Standardization in the field of cast, wrought and cold-formed steel, including technical delivery conditions for steel tubes for pressure purposes.

Excluded:

- steel tubes within the scope of ISO/TC 5;
- line pipe, casing, tubing and drill pipe within the scope of ISO/TC 67;
- methods of mechanical testing of metals within the scope of ISO/TC 164.

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

ISO New Work Item Proposal

Managing Risk for Youth and School Trips

Comment Deadline: June 5, 2020

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

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

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

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

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

ISO Proposal for a New Field of ISO Technical Activity

Child Care Articles

Comment Deadline: June 5, 2020

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

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

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

Social Responsibility

Comment Deadline: June 5, 2020

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

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

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

New Secretariats

ISO/TC 171/SC 2 – Document file formats, EDMS Systems and Authenticity of Information

Comment Deadline: April 27, 2020

The PDF Association, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 171/SC 2 secretariat to the PDF Association, Inc. The secretariat was previously held by the 3D PDF Consortium, which was recently acquired by the PDF Association, Inc., and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 171/SC 2 operates under the following scope:

- Logical aspects of storage and preservation (short and long term)
- File formats
- EDMS functionalities and architecture
- Evaluations and qualification of EDMS
- Workflow
- Authenticity of information

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

Meeting Notice

Z359 Committee for Fall Arrest/Protection

The American Society of Safety Professionals (ASSP) serves as the secretariat of the ANSI Z359 Committee for Fall Arrest/Protection.

The next meeting of the Z359 Committee has been rescheduled to May 21, 2020, and will be held virtually, as previously announced. Those interested in participating can contact ASSP for additional information at Ovidiu Munteanu; OMunteanu@assp.org.

Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

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

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

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

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

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

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

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

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

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

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

BSR/ASHRAE/ASHE Addendum b
to ANSI/ASHRAE/ASHE Standard 189.3-2017

Public Review Draft

Proposed Addendum b to Standard 189.3-2017, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities

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

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

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

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

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

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

FOREWORD

This addendum is part of the continuous maintenance process to maintain coordination within ASHRAE standards. This addendum reflects the committee's continuing efforts to identify revisions necessary to align the standard with the latest addenda of ANSI/ASHRAE/USGBC/IES Standard 189.1, along with recent publication of other standards that are referenced by this standard.

Significant changes include the following:

- *In Section 3, "Definitions, Abbreviations, and Acronyms," revised definition for residential health facility added specialized outpatient facility based on coordination with the Facility Guidelines Institute*
- *In Section 7, "Energy Efficiency," Mandatory Provisions language was updated, an exception was provided in the On-Site Renewable Energy Systems section, an exception to Fault Detection and Diagnostics was added, Prescriptive Option language was updated, new Table 7.4.1.1 addressing Renewable Energy Requirement was provided, and Performance Option language and exceptions to Annual Energy Cost and Annual Carbon Dioxide Equivalent (CO_2e) were modified.*
- *In Section 8, "Indoor Environmental Quality (IEQ)," an informative note was provided for Section 8.3.1.2, "Outdoor Air Delivery Monitoring."*
- *In Section 10, "Construction and Plans for Operation," an exception was added related to indoor environmental quality.*
- *Editorial Note: Future editions of the standard will incorporate the section numbering of ASHRAE Standard 189.1 and the related International Green Construction Code. For example, "Mandatory Provisions" in Section 6 will be titled 6.3 (601.3), "Mandatory Provisions."*

Note: 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 b to Standard 189.3-2017

Modify Section 3 as shown. The remainder of Section 3 is unchanged.

7. DEFINITIONS, ABBREVIATIONS, AND ACRONYMS

[…]

7.2 Definitions

[…]

residential health ~~care~~ facility: a facility, building, or portion of a building that provides housing and services for a nursing home or hospice for a resident or group of residents.

[…]

specialized outpatient facility: any of the following facility types: outpatient surgical, endoscopy, infusion, renal dialysis, freestanding emergency departments, and imaging facilities with Class 2 and Class 3 imaging rooms.

Modify Section 4 as shown. The remainder of Section 4 is unchanged.

4. ADMINISTRATION AND ENFORCEMENT

[…]

4.2 Requirements Determined by Jurisdiction. Jurisdictions shall comply with Section 4.2 of ANSI/ASHRAE/USGBC/IES Standard 189.1-2017 and Addendum r to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017.

Renumber all subsequent subsections accordingly.

[…]

Modify Section 6 as shown. The remainder of Section 6 is unchanged.

6. WATER USE EFFICIENCY

[…]

6.3.2.3 HVAC Systems and Equipment

Exception to 6.3.2.3(~~d~~e): Air-conditioning units greater than 65,000 Btu/h (19 kW) with a sensible heat ratio of 0.80 or greater.

[…]

Modify Section 7 as shown. The remainder of Section 7 is unchanged.

7. ENERGY EFFICIENCY

[…]

7.3 Mandatory Provisions. When a requirement is provided below, it supersedes the requirement in Standard 189.1. For all other criteria, the building project shall comply with the requirements of Standard 189.1.

~~**7.3.1 General.** Building projects shall be designed to comply with Sections 5.4, 6.4, 7.4, 8.4, 9.4, and 10.4 of Standard 90.1.~~

7.3.1 On-site Renewable Energy Systems

Exceptions to 7.3.1:

4. Building projects that include both:

   a. designs showing allocated space and pathways for future installation of on-site photovoltaic systems with a rated capacity of not less than 2 W/ft^2 (22 W/m^2) multiplied by the horizontal projection of the gross roof area over conditioned spaces and semi-heated spaces, and

   b. installation of associated electrical infrastructure sized and routed to support the full capacity of the future on-site photovoltaic systems, including electrical equipment and conduit to the future space where the systems are located.

   The building gross roof area used for calculation shall be as stated in Section 7.3.2.

7.3.4 ~~Peak Load Reduction.~~ Automated Demand Response. Peak load reduction capabilities of Standard 189.1 shall not be required.

7.3.5 Fault Detection and Diagnostics (FDD):

Exceptions to 7.3.5:

6. Exam rooms, treatment rooms, patient rooms, and resident rooms in healthcare facilities.

7.4 Prescriptive Option. When a requirement is provided below, it supersedes the requirement in Standard 189.1.

For all other criteria, the building project shall comply with the requirements of Standard 189.1.

~~**7.4.1 General Comprehensive Prescriptive Requirements.** When a requirement is provided below, it supersedes the requirement in Standard 189.1. For all other criteria, the building project shall comply with the requirements of Standard 189.1.~~

Table 7.4.1.1 Renewable Energy Requirement

Building Type	Standard Renewables Approach		Alternate Renewables Approach	
	kBtu/ft^2-year	kW/m^2-year	kBtu/ft^2-year	kW/m^2-year
Hospital	40	126	36	113
Residential Health Facility[a]	22	68	20	62
Specialized Outpatient Facility	38	120	34	107
General Outpatient Facility	14	44	13	40

a. Exception: Applicable for new construction only.

[…]

7.4.3.4~~5~~ Zone Controls. Zone controls shall be provided in accordance with Section 6.5.2.1 of Standard 90.1.

Exception to 7.4.3.4~~5~~: Ventilation as required to comply with Standard 170.

7.4.~~5~~3.~~3~~6.1 Fan System Power Limitation. Systems shall have fan power limitations as specified in Standard 90.1, Section 6.5.3.1.

7.4.3.~~6~~7 Exhaust Air Energy Recovery. Each fan system shall have an energy recovery system when the system's supply airflow rate exceeds the value listed in Standard 90.1, Table 6.5.6.1.

Exception to 7.4.3.~~6~~7: Exhaust air energy recovery shall not be required for systems or portions thereof that handle hazardous exhaust air, as defined in Standard 170, Section 6.3.2.

[…]

7.5 Performance Option

7.5.1 Annual Energy Cost

a. ~~For a new building project, the proposed building performance cost index shall be determined in accordance with~~Follow Standard 189.1, Section 7.5.1, "Annual Energy Cost" ~~with the baseline~~except that building performance factor (BPF) shall be taken from Table 7.5.~~2A~~1, below.

~~b.~~ **Exception to 7.5.1:** For a major renovation, addition, or alteration building project, as defined by Section 4.2, that is not served in whole or in part by a district energy plant, calculate proposed building performance in accordance with ANSI/ASHRAE/IES Standard 90.1, Normative Appendix G, and Standard 189.3,~~the building project shall have an annual energy cost equal to or less than that achieved by compliance with the applicable~~ Sections 6.3, 7.3, 7.4, and 8.3, which shall supersede Standard 90.1, Normative Appendix G requirements ~~as defined by Section 4.2~~.

~~c. Comparisons shall be made using Standard 90.1, Normative Appendix G.~~

7.5.2 Annual Carbon Dioxide Equivalent (CO_2e). Follow Standard 189.1, Section 7.5.2, "Annual Carbon Dioxide Equivalent (CO_2e)," except that PCI target shall be determined in accordance with Standard 189.3, Section 7.5.1, "Annual Energy Cost."

Exception to 7.5.2: A major renovation, addition, or alteration building project, as defined by Section 4.2.

~~**7.5.2** For a new building project, demonstrate that the proposed design shall have an annual CO_2e is equal to or less than the annual CO_2e of the baseline building performance rating. The proposed design shall have an annual CO_2e equal to or less than the annual CO_2e of the baseline building design multiplied by one minus the percentage reduction in the building performance factor target determined from Table 7.5.2A using the~~

~~performance rating method in Standard 90.1, Normative Appendix G. To determine the annual CO_2e for each energy source in the baseline building design and proposed design, the energy consumption shall be multiplied by the CO_2e emission factors from Standard 189.1, Table 7.5.2B.~~

Table 7.5.1~~2A Energy Cost and CO_2e~~ Building Performance Factors (BPF)

Building Area Type	Climate Zone																
	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Healthcare/ Hospital	0.64	0.56	0.60	0.56	0.60	0.56	0.54	0.57	0.53	0.55	0.59	0.52	0.55	0.57	0.52	0.56	0.56
Residential Health~~care~~ Facility	0.73	0.73	0.71	0.69	0.74	0.73	0.68	0.78	0.81	0.81	0.76	0.80	0.81	0.76	0.79	0.74	0.80

7.5.3 Zero Energy Performance Index

Exception to 7.5.3: A major renovation, addition, or alteration building project, as defined by Section 4.2.

Modify Section 8 as shown. The remainder of Section 8 is unchanged.

8. INDOOR ENVIRONMENTAL QUALITY (IEQ)

[…]

Exceptions to 8.3.1.2.2:

2. Dedicated outdoor air-conditioning units and direct-expansion-based air-conditioning units serving a residential health care facility delivering a constant rate of conditioned ventilation air.

Informative Note: The unnumbered exception to Section 8.3.1.2.2 in Standard 189.1 also applies and for the purpose of this document is considered Exception 1.

[…]

Exceptions to 8.3.1.10:

2. All rooms in hospitals. All rooms in health care occupancies subject to automatic control of HVAC and lighting as required in Sections 7 and 8.

Informative Note: The unnumbered exception to Section 8.3.1.10~~7~~ in Standard 189.1 also applies and for the purpose of this document is considered Exception 1.

[…]

8.4 Prescriptive Option

8.4.1~~1~~2 Materials

8.4.1~~1~~2.1 Adhesives and Sealants

8.4.1~~1~~2.1.1 Emissions Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals*, *Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.1~~1~~2.2 Paints and Coating

8.4.1~~1~~2.2.1 Emissions Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard

Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals*, *Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.~~1~~2.3 Floor Covering Materials

8.4.~~1~~2.3.1 Emissions Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals*, *Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.~~1~~2.5 Furniture Systems and Seating

8.4.~~1~~2.5.1 Office Furniture

8.4.~~1~~2.5.2 Patient Room Furniture

8.4.~~1~~2.5.2.1 Emission Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals*, *Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.~~1~~2.6 Ceiling and Wall Assemblies and Systems

8.4.~~1~~2.5.1 Emission Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals*, *Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

[…]

Modify Section 10 as shown. The remainder of Section 10 is unchanged.

10. INDOOR ENVIRONMENTAL QUALITY (IEQ)

[…]

10.3 Mandatory Provisions

10.3.1.2 Building Project Commissioning (Cx) Process. Commissioning shall comply with the provisions of Standard 189.1. See Informative Appendix J, Section J3, for additional information.

BSR/ASHRAE/IES Addendum a
to ANSI/ASHRAE/IES Standard 202-2018

Public Review Draft

Proposed Addendum a to Standard 202-2018, Commissioning Process for Buildings and Systems

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

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

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

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

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

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

FOREWORD

This addendum revises the Title, Purpose, and Scope of the standard to clarify that it applies to new buildings and new systems within existing buildings.

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

Addendum a to Standard 202-2018

Modify Title, Purpose, and Scope as follows.

COMMISSIONING PROCESS FOR NEW BUILDINGS AND NEW SYSTEMS

1. PURPOSE

The purpose of this standard is to identify the minimum acceptable Commissioning Process (Cx) for new buildings and new systems.

2. SCOPE

2.1 This standard applies to:

a. New buildings and their systems
b. New portions of buildings and their systems
c. New systems and equipment in existing buildings

2.2 This standard provides procedures, methods, and documentation requirements for each activity for project delivery, from predesign through occupancy and operations, including

a. an overview of Commissioning Process (Cx) activities,
b. a description of each process step's minimum activities,
c. minimum documentation requirements, and
d. acceptance requirements.

Tracking number 42i103r1 et al
Multiple revisions for NSF/ANSI 42i103, 44i46, 53i120, 55i50, 58i87,62i39, 244i7, 401i15
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Revision to NSF/ANSI 42-2019
Issue 103 Revision 1 (April 2020)

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

This revision is being proposed to section 2 of the following standards:

NSF/ANSI Standards
for Drinking Water Treatment Units

NSF/ANSI 42: Drinking Water Treatment Units – Aesthetic Effects

NSF/ANSI 44: Residential Cation Exchange Water Softeners

NSF/ANSI 53: Drinking Water Treatment Units — Health Effects

NSF/ANSI 55: Ultraviolet Microbiological Water Treatment Units

NSF/ANSI 58: Reverse Osmosis Drinking Water Treatment Systems

NSF/ANSI 62: Drinking Water Distillation Systems

NSF/ANSI 244: Supplemental Microbiological Water Treatment Systems – Filtration

NSF/ANSI 401: Drinking Water Treatment Units – Emerging Compounds / Incidental Contaminants

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2 Normative references

The following documents contain provisions that constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All standards are subject to revision, and parties are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. The most recent published edition of the document shall be used for undated references.

21 CFR Parts 170-199, *Food and Drugs*[3]

APHA, *Standard Methods for the Examination of Water and Wastewater*, twentieth edition[4]

ASSE 1087, *Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water*[5]

NSF/ANSI 53, *Drinking Water Treatment Units – Health Effects*

NSF/ANSI 61, *Drinking Water System Components – Health Effects*

Ontario Ministry of the Environment, *An Interim Method for Determination of Asbestos Fibre Concentration in Water by Transmission Electron Microscopy*, 1977[~~5~~6]

SAE J726, *Air Cleaner Test Code*, June 1993[~~6~~7]

US EPA-600/4-84-053, *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, June 1984[~~7~~8]

US EPA–600/4B79/020, *Methods for the Chemical Analysis of Water and Wastes*, March 19836[~~7~~8]

US EPA–600/RB93/100, *Methods for the Determination of Inorganic Substances in Environmental Samples*, August 1993[~~7~~8]
US EPA–600/R–94/111, *Methods for the Determination of Metals in Environmental Samples, Supplement 1*, May 1994[~~7~~8]

US EPA–600/4–90/020, *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1*, July 1990[~~7~~8]

US EPA, *National Primary Drinking Water Regulations*, 40 CFR Part 141[~~8~~9~~6~~]

US EPA, *National Secondary Drinking Water Regulations*, 40 CFR Part 143[~~8~~9]

Rationale: Added reference per 2019 DWTU JC meeting discussion (May 8, 2019).

[3] US FDA – CFR Code of Federal Regulations Title 21. <www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm>

[4] American Public Health Association (APHA). 1015 Fifteenth Street, NW, Washington, DC 20005. <www.apha.org>

[5] ASSE International. 18927 Hickory Creek Drive, Suite 200, Mokena, IL 60448. <www.asse-plumbing.org>

[~~5~~6] Ontario Ministry of the Environment. Toronto, Canada M4V 1P5. <*www.ene.gov.on.ca*>

[~~6~~7] Society of Automotive Engineers (SAE). 400 Commonwealth Drive, Warrendale, PA 15096. <www.sae.org>

[~~7~~8] US Environmental Protection Agency (US EPA), Environmental Monitoring and Support Laboratory. Cincinnati, OH 45268. <www.epa.gov>

[~~8~~9] Superintendent of Documents, US Government Printing Office, Washington, DC 20402. <www.gpo.gov>

Tracking number 170i28r4
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Revision to NSF/ANSI 170-2019
Issue 28 Revision 4 (April 2020)

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

NSF/ANSI Standard for Food Equipment —

Glossary of Food Equipment Terminology

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***Rationale**: The United States Food Code has revised the phrase* Potentially Hazardous Food *to* Time/Temperature Control for Safety Food. *Updating NSF 170 and the other applicable NSF Food Equipment Standards adds consistency and continuity with these regulations.*

~~3.155~~ ~~potentially hazardous food~~: 3.XXX time/temperature control for safety (TCS) food (formerly known as "potentially hazardous food")

~~(1) A food that is natural or synthetic and requires temperature control because it is in a form capable of supporting the following: rapid and progressive growth of infectious or toxigenic microorganisms; growth and toxin production of *Clostridium botulinum*; or, in raw shell eggs, the growth of *Salmonella enteritidis*;~~
(1) A food that requires time/temperature control for safety to limit pathogenic microorganism growth or toxin formation;

(2) ~~Potentially hazardous food~~ Time/temperature control for safety food includes:
— animal food (a food of animal origin) that is raw or heat-treated;
— food of plant origin that is heat-treated or consists of raw seed sprouts;
— cut melons;
— cut leafy greens;
— cut tomatoes or mixtures of cut tomatoes that are not modified in a way so that they are unable to support pathogenic microorganism growth or toxin formation; and
— ~~garlic and oil~~ garlic-in-oil mixtures that are not acidified or otherwise modified at a food processing plant in a way that results in mixtures that do not support ~~growth as specified above~~ pathogenic microorganism growth or toxin formation

(3) ~~Potentially hazardous food~~ Time/temperature control for safety food does not include:
— an air-cooled hard-boiled egg with shell intact, or a shell egg that is not hard-boiled but has been treated to destroy all viable salmonellae; or
— a food having a water activity (a_w) value of ~~0.85 or less~~ less than 0.88; or
— a food with a pH of ~~4.6 or less~~ less than 4.2; or
— a food, in an unopened hermetically sealed container, that is commercially processed to achieve and maintain commercial sterility under conditions of nonrefrigerated storage and distribution; or
— a food for which laboratory evidence demonstrates that rapid and progressive growth of infectious or toxigenic microorganisms or the growth of S. enteritidis in eggs or C. botulinum cannot occur, as defined previously in this section, and that may contain a preservative, other barrier to the growth of microorganisms, or a combination of barriers that inhibit the growth of microorganisms; or

— a food that does not support the growth of microorganisms as specified under part (1) of this definition even though the food may contain an infectious or toxigenic microorganism or chemical or physical contaminant at a sufficient level to cause illness.

NOTE – cut leafy greens means fresh leafy greens whose leaves have been cut, shredded, sliced, chopped, or torn. Examples include: iceberg lettuce, romaine lettuce, leaf lettuce, butter lettuce, baby leaf lettuce (i.e., immature lettuce or leafy greens), escarole, endive, spring mix, spinach, cabbage, kale, arugula and chard. Does not include: Herbs such as cilantro or parsley or whole heads of lettuce or other raw agricultural commodities. 'Cut' does not include removing and discarding exterior leaves, which is a common practice for display in retail food establishments.

***Rationale**: Proposed language is based on definition for "cut leafy greens" within the U.S. FDA Food Code and Fact Sheet from Oregon Department of Agriculture.*[1]

3.155 potentially hazardous food: See time/temperature control for safety (TCS) food

[1] Oregon Department of Agriculture, Food Safety Division, *Food Code Fact Sheet #11 Cut Leafy Greens*, 2012. [Online]. Available: https://www.google.com/url?client=internal-uds-cse&cx=014529913148261890260:jaxra38pduk&q=https://www.oregon.gov/ODA/shared/Documents/Publications/FoodSafety/FoodCodeLeafyGreensFactSheet11.pdf&sa=U&ved=2ahUKEwieos3I0M7kAhUto1kKHeBcCS8QFjAAegQIABAB&usg=AOvVaw0WhDt8mka3y8pBkVKhHbHE

American National Standard

specifications for

Random Shaped Tumbling Chip Abrasives

Secretariat: Unified Abrasives Manufacturers' Association, Grain Committee

1 Scope

This standard applies to random shaped tumbling chips commonly used in tumbling or vibratory barrels for the finishing of parts.

2 Summary of method

A series of eight standard sizes are specified in Table 1. The sampling and test procedures used to test conformance to the standard are given in Sections 3 and 4.

3 Sampling and method of test

Chip No.	Size of Sample	General Instruction	Method
00, 0, 1	5000 g	Representative Samples	Hand
1 ½, 2, 2 ½	1000 g	Representative Samples	Machine
3, 3 ½	500 g	Representative Samples	Machine

4 Test procedure

4.1 Hand testing

The representative sample shall be placed on the screen and the individual pieces turned or shaken by hand to determine whether or not the pieces will pass through the openings in any orientation to the screen opening.

4.2 Machine testing

The representative sample shall be tested in accordance with the standard sieve testing machine[1] procedures as given in *ANSI Specifications for the Size of Abrasive Grain — Grinding Wheels, Polishing and General Industrial Uses*, B74.12-2018.

5 Acceptance and rejection

If minimum values, as shown in the 3rd tolerance column of Table 1, are achieved, the chips are acceptable.

[1] Full height sieves shall be used for sieves with openings larger than ½". A five-minute sieve testing time shall be used.

Table 1 – Sieve sizes and tolerances*

Chip No.	Nominal Dimension (Inches)	Test Method	Sieves Used (U.S. Standard) (inches)				Tolerances			
			1st	2nd	3rd	4th	Percent on 1st (max)†	Percent on 2nd (max) †	Percent on 3rd (min cum)	Percent Through 4th (max) †
00	1 ½ to 2	Hand	2 ⅛	2	1 ½	1 ⅛	0	5	90	0
0	1 ⅛ to 1 ½	Hand	1 ⅝	1 ½	1 ⅛	1	0	25	70	15
1	⅞ to 1 ⅛	Hand	1 ¼	1 ⅛	⅞	¾	0	25	70	15
1 ½	¾ to ⅞	Machine	1	⅞	¾	⅝	0	25	70	15
2	9⁄16 to ¾	Machine	⅞	¾	9⁄16	7⁄16	0	25	70	15
2 ½	½ to 9⁄16	Machine	¾	9⁄16	½	⅜	0	25	70	15
3	⅜ to ½	Machine	⅝	½	⅜	¼	0	25	70	15
3 ½*	¼ to ⅜	Machine	7⁄16	⅜	¼	4 Mesh	0	25	70	15

* For sizes finer than No. 3 ½, refer to *ANSI Specifications for the Size of Abrasive Grain — Grinding Wheels, Polishing and General Industrial Uses*, B74.12-2018, Table 2.

† Percentages on first, second and fourth screens are estimates, and are provided for guidelines only.

BSR/VITA 48.1-202x

Subject: Recirulation ballot to Approval of vita48d1-r2d2-jh20181210.pdf as an ANSI/VITA revised standard

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A substantive comment was received to the ballot “Approval of vita48d1-r2d2-jh20181210.pdf as an ANSI/VITA revised standard”

The comment

> Table 4 appears unchanged from the November ballot. Here is a repeat of my comments from the Novemeber ballot
> I am not negative balloting because I did not participate in the WG. However, I am concerned about some of the numbers in Table 4. Variable table for backplane PCB:
> 1. I originally provided feedback to the WG with some proposed changes to Table 4 that would allow two backplanes to be installed side by side without crashing into each other.
> 2. The numbers in Table 4 are different than what I proposed in some cases (which is OK), but if you add up KHE1 + KHE2 for the 0.85" pitch and 1.00" pitch columns the totals with worst case tolerance are slightly larger than the slot pitch, which means that two backplanes side-by-side could still crash into each other, ergo the original problem is not resolved:
> * 0.85" pitch KHE1 + KHE2 max tolerance = 0.451+0.004+0.393+0.004 = 0.852"
> * 1.00" pitch KHE1 + KHE2 max tolerance = 0.524+0.004+0.473+0.004 = 1.005"
> 3. My suggested changes are:
> * 0.85" pitch: reduce KHE1 and MHE by at least 0.1 mm (0.004"), and preferably a bit more to leave a gap
> * 1.00" pitch : reduce KHE2 by at least 0.2 mm (0.008"), and preferably a bit more to leave a gap

The proposed change is

> My suggested changes to Table 4 are:
> * 0.85" pitch: reduce KHE1 and MHE by at least 0.1 mm (0.004"), and preferably a bit more to leave a gap
> * 1.00" pitch : reduce KHE2 by at least 0.2 mm (0.008"), and preferably a bit more to leave a gap

The consensus group agreed with the comment and proposes

> change from "Dimensions shown in this figure are for reference only; the actual dimensions are defined in VITA 46. Component side (primary side) view applicable to both Type 1 and Type 2 implementations as shown." to Dimensions shown in this figure are for reference only." ... take out reference to v46.0 as this is not accurate.

This resulted in the following change in the new draft

Variable	0.80 in. Pitch Plug-In Module	0.85 in. Pitch Plug-In Module	1.00 in. Pitch Plug-In Module
KHE1: guide/key pin hole center line to edge of backplane bottom	[9.42±0.10] .371±.004	[10.69±0.10] .421±.004	[13.31±0.10] .524±.004
KHE2: guide/key pin hole center line to edge of backplane top	[9.98±0.10] .393±.004	[9.98±0.10] .393±.004	[11.18±0.10] .440±.004
KHCL1: guide/key pin hole center lines hole-to-datum	[20.32] 0.800	[21.59] 0.850	[25.40] 1.000
KHCL2: guide/key pin hole center lines hole-to-hole over backplane length	[20.32] 0.800	[21.59] 0.850	[25.40] 1.000
MHE: mounting hole to edge	[7.47] 0.294	[8.74] 0.344	[11.35] .447
MHCL: mounting holes centerline-to-centerline	[20.32] 0.800	[21.59] 0.850	[25.40] 1.000

Table 1. Variable table for backplane PCB.

In revision of 2018, the numbers in Table 4 where revised to correct the distance between KHE1 and MHE (0.077" [1.95]). In revision of 2020, the numbers were revised to allow backplanes to abut within a sub-rack.

Observation 9-1.1 To abut backplanes within a sub-rack, the combination of KHE1 and KHE2 (plus associated tolerances) must be less than the Plug-In Module pitch.

Permission 9-1.1 Backplanes that do not need to abut within a sub-rack can have a larger KHE2 dimension.