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CONTENTS

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Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS. Directly and materially interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

AAFS (American Academy of Forensic Sciences)

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

Revision

BSR/ASB BPR 007-202x, Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System (AFIS) Databases (revision and redesignation of ANSI/ASB Std 007 -2018)

Stakeholders: Medicolegal authorities with responsibility for identifying decedents. Ancillary audiences include law enforcement agencies, crime laboratories, and emergency managers who may support this process.

Project Need: This document provides practitioners guidance on the submission of fingerprints to automated fingerprint identification systems to aid in decedent identifications. While fingerprint comparison is not new, this document serves to educate practitioners on advantages of emerging technologies which are not commonly distributed or employed in the field.

Interest Categories: Academics and Researchers; General Interest; Jurisprudence and Criminal Justice; User - Government; and User - Non-Government

Scope: This document provides guidance for the proper pathways, image requirements, and resources for searching the totality of available antemortem fingerprint databases. It provides the process to ensure a complete and proper search of previously obtained fingerprints. The guidance will provide the steps for the medicolegal authority's submission to exhaust all possible searches and have the best chance of victim identification through Automated Fingerprint Identification System (AFIS) searches.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 056-202x, Standard for Evaluation of Measurement Uncertainty in Forensic Toxicology (new standard)

Stakeholders: The forensic toxicology community, law enforcement, attorneys, medicolegal death investigation community, and courts.

Project Need: The fields of forensic toxicology and breath alcohol instrument calibration programs do not have a single resource available that outlines a standard process and expectations for calculating measurement uncertainty. This document will serve as the standard for laboratories when calculating measurement uncertainty and will help ensure a consistent approach across forensic toxicology laboratories and breath alcohol instrument calibration programs that will aid the end users (law enforcement and judicial community) in making decisions while using reported toxicology results and breath instrument calibration reports.

Interest Categories: Academics and Researchers; Jurisprudence and Criminal Justice; Organizations; Producer; User - Government; and User - Non-Government

Scope: This document provides minimum requirements for evaluating measurement uncertainty for forensic toxicology testing activities as well as calibration of breath alcohol measuring instruments. It does not address evaluating measurement uncertainty for breath alcohol testing.

CSA (CSA America Standards Inc.)

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

Revision

BSR Z21.89-202x, Outdoor cooking specialty gas appliances (same as CSA 1.18-202x) (revision of ANSI Z21.89-2017)

Stakeholders: Manufacturers, installers, consumers

Project Need: To prepare a new edition of the current standard to take into account changes in the industry in order to address safety issues associated with new technologies and manufactured configurations

Interest Categories: General Interest, Producer Interest, Regulatory Authority, User Interest

Scope: This Standard applies to newly produced, outdoor cooking specialty gas appliances, hereinafter referred to as appliances, constructed entirely of new, unused parts and materials. Appliances submitted for examination under this Standard are classified as portable or stationary. These products are not intended for commercial use.

CSA (CSA America Standards Inc.)

Paul Steenhof; paul.steenhof@csagroup.org | 8501 East Pleasant Valley Road | Cleveland, OH 44131-5575 www.csagroup.org

New Standard

BSR/CSA R118-202x, Concrete carbon intensity quantification and verification (new standard)
Stakeholders: Regulatory/fiscal authorities; Building industry; Building owners; Provincial and city agencies; Manufacturing

Project Need: Many industries and organizations are increasingly concerned about climate change and are trying to move forward on global carbon reduction, and consequently, there is a growing need for a simple carbon rating system as related to the carbon sequestered by building material, including concrete. This standard will provide a simple, quantifiable, comparable way to measure the carbon content of concrete.

Interest Categories: Government/regulators; Consulting; Producer/supplier; Research/academia

Scope: This proposed standard provides minimum requirements and recommendations for the quantification and verification of the carbon intensity in a unit of concrete, including any carbon that is permanently sequestered during the production of the concrete and/or its input materials.

HPS (ASC N13) (Health Physics Society)

Aaron Wilmot; adw154@psu.edu | 950 Herndon Parkway, Suite 450 | Herndon, VA 20170 www.hps.org

Revision

BSR HPS N13.6-202x, Occupational Radiation Exposure Records (revision and redesignation of ANSI N13.6-2010 (R2019))
Stakeholders: Government, Medical, University/Higher Education, Commercial Nuclear Power

Project Need: A version of ANSI/HPS N13.6 was issued in 1999. In 2010, the 1999 version was reaffirmed. A further reaffirmation occurred in 2019. Several comments have been received on the ANSI/HPS N13.6-2010 (R2019) standard, and the project scope would include redress of comments and feedback and the enactment of other necessary changes and updates.

Interest Categories: HPS N13 Standard Committee, government or regulatory agency (7), professional society (9), trade association or labor union (7), technical expert (9) for a total of 32 committee members.

Scope: The N13.6 standard provides guidance for radiological facility operators for implementing an occupational radiological exposure records program. It sets forth acceptable techniques for the generation, administration, and retention of occupational radiation exposure records and supporting documentation. The standard applies to all facilities that have personnel who are monitored for exposure to radiation or radioactive material.

NEMA (ASC C37) (National Electrical Manufacturers Association)

Brian Marchionini; brian.marchionini@nema.org | 1300 North 17th Street, Suite 1752 | Arlington, VA 22209 www.nema.org

New Standard

BSR C37.57-202x, Standard for Switchgear - Metal-Enclosed Interrupter Switchgear Assemblies - Conformance Testing (new standard)

Stakeholders: Utilities, manufacturers, users, contractors

Project Need: Provide conformance testing for current industry practices.

Interest Categories: Producer, government, general interest, testing laboratory, user

Scope: This standard is a conformance testing standard optionally applicable to all metal-enclosed interrupter switchgear assemblies designed, tested, and manufactured in accordance with ANSI/IEEE C37.20.3. The requirement of ANSI/IEEE C37.20.3 is sufficient for application of metal-enclosed interrupter switchgear assemblies, and conformance testing is not necessary to satisfy the basic requirements of that standard. Conformance testing is performed to show compliance with the basic requirements when required to satisfy special agreements or regulatory agency requirements.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: October 2, 2022

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

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

Addenda

BSR/ASHRAE Addendum a to Standard 15.2-202x, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
This proposed addendum to ASHRAE Standard 15.2-2022 corrects formulas for allowable refrigerant charge by adding the gravity equation from the 4th Edition of UL 60335-2-40, which will help inspectors, AHJs, and installers in the installation and approvals of the installed systems.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE Addendum b to Standard 15.2-202x, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
The proposed addendum revises ANSI/ASHRAE Standard 15.2 to better align with ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems, and UL 60335-2-40, Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: October 2, 2022

IIAR (International Institute of Ammonia Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 | tony_lundell@iiar.org, www.iiar.org

Revision

BSR/IIAR 1-202x, Definitions and Terminology Used in IIAR Standards (revision of ANSI/IIAR 1-2017)
This standard provides a unified set of definitions for use in the IIAR Standards. A set of common definitions is provided to prevent confusion for those that use IIAR Standards. This Standard is a companion to ANSI/IIAR Standards.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Tony Lundell; tony_lundell@iiar.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 42-202x (i122r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF 46-202x (i41r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021)
This standard is intended for use with components and devices not covered by other NSF wastewater standards. Components and devices covered by this standard are intended for use with greywater or blackwater, or both.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 53-202x (i144r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2021)
The POU and POE systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to reduce substances that are considered established or potential health hazards.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: October 2, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 58-202x (i101r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58 -2021)

The point-of-use (POU) RO drinking water treatment systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered by this standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified herein.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF 385-202x (i3r5), Disinfection Mechanics (revision of ANSI/NSF 385-2021)

This Standard is intended for use with devices intended to disinfect wastewater after secondary treatment and prior to discharge from residential wastewater treatment systems having rated treatment capacities between 757 LPD (200 GPD) and 5,678 LPD (1,500 GPD).

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 401-202x (i28r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2021)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private), considered to be microbiologically safe, and of known quality. Systems covered under this standard are intended to reduce substances that are at very low, yet measurable concentrations, but not at definitive concentrations of known health concern.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: October 2, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | rbrooker@nsf.org, www.nsf.org

Revision

BSR/NSF 455-2-202x (i35r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | isabella.brodzinski@ul.org, https://ul.org/

Revision

BSR/UL 2523-202x, Standard for Safety for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters and Boilers (revision of ANSI/UL 2523-2018)
1 Scope 1.1 These requirements apply to factory built manually and/or automatically fueled solid fuel-fired hydronic heating appliances, water heaters and boilers, as defined in Section 5, Glossary, intended to be fixed non-moveable appliances. 1.2 The appliances are intended to burn solid fuels, such as wood, coal, or any other biomass fuel, as specified by the manufacturer. 1.3 The appliances are provided with an integral chimney and termination or intended for connection to chimneys for residential type and building heating appliances or for building heating appliances in compliance with the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances, NFPA 211, and intended for installation in compliance with the National Electrical Code, ANSI/NFPA 70; and the International Mechanical Code (ICC), International Residential Code (ICC) and the Uniform Mechanical Code (IAPMO), as applicable.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: isabella.brodzinski@ul.org

Comment Deadline: October 17, 2022

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | tvinson@awea.org, www.cleanpower.org

Reaffirmation

BSR/AWEA 61400-11-2017 (R202x), Wind Turbine Generator Systems - Part 11: Acoustic Noise Measurement Techniques (reaffirm a national adoption ANSI/AWEA 61400-11-2017)
The ACP Wind Technical Standards Committee is proposing to reaffirm at its 5-year review period ANSI/AWEA 61400-11 (2017), an identical national adoption of IEC 61400-11-3:2012. The IEC has not started a revision cycle and is in the process of balloting to extend the stability date, so this standard remains current. This standard presents measurement procedures that enable noise emissions of a wind turbine to be characterized. This involves using measurement methods appropriate to noise emission assessment at locations close to the machine, in order to avoid errors due to sound propagation, but far enough away to allow for the finite source size. The procedures described are different in some respects from those that would be adopted for noise assessment in community noise studies. They are intended to facilitate characterization of wind turbine noise with respect to a range of wind speeds and directions. Standardization of measurement procedures will also facilitate comparisons between different wind turbines. The procedures present methodologies that will enable the noise emissions of a single wind turbine to be characterized in a consistent and accurate manner. These procedures include the following:
- location of acoustic measurement positions;
- requirements for the acquisition of acoustic, meteorological, and associated wind turbine operational data;
- analysis of the data obtained and the content for the data report; and
- definition of specific acoustic emission parameters, and associated descriptors, which are used for making environmental assessments.
The standard is not restricted to wind turbines of a particular size or type. The procedures described in this standard allow for the thorough description of the noise emission from a wind turbine. If, in some cases, less comprehensive measurements are needed, such measurements are made according to the relevant parts of this standard.
Single copy price: $199.00 (ACP member price); $317.00 (non-ACP member price)
Obtain an electronic copy from: https://engage.cleanpower.org/Shop/product-catalog/Product-Details?productid=%7bF6615E9E-498F-E811-80CA-00155D005B49%7d
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

Comment Deadline: October 17, 2022

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | tvinson@awea.org, www.cleanpower.org

Reaffirmation

BSR/AWEA 61400-13-2017 (R202x), Wind Turbine - Part 13: Measurement of Mechanical Loads (reaffirm a national adoption ANSI/AWEA 61400-13-2017)
The ACP Wind Technical Standards Committee is proposing to reaffirm at its 5-year review date ANSI/AWEA 61400-13: (2017), an identical national adoption of IEC 61400-13:2015 as the IEC has not started a revision process, so the standard remains current. This part of IEC 61400 deals with mechanical load measurements on wind turbines. It mainly focuses on large electricity-generating horizontal axis wind turbines. However, the methods described might be applicable to other wind turbines as well (for example, mechanical water pumpers, vertical axis turbines). The object of this specification is to describe the methodology and corresponding techniques for the experimental determination of the mechanical loading on wind turbines. This technical specification is intended to act as a guide for carrying out measurements used for verification of codes and/or for direct determination of the structural loading. This specification is not only intended as one coherent measurement specification but can also be used for more limited measurement campaigns.
Single copy price: $249.00 (ACP member price); $375.00 (non-ACP member price)
Obtain an electronic copy from: https://engage.cleanpower.org/Shop/product-catalog/Product-Details?productid=%7bF8615E9E-498F-E811-80CA-00155D005B49%7d
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | tvinson@awea.org, www.cleanpower.org

Reaffirmation

BSR/AWEA 61400-23-2017 (R202x), Wind Turbines - Part 23: Full-Scale Structural Testing of Rotor Blades (reaffirm a national adoption ANSI/AWEA 61400-23-2017)
The ACP Wind Technical Standards Committee (WTSC) is proposing to reaffirm at its 5-year review ANSI/AWEA 61400-23 (2017), an identical national adoption of IEC 61400-23:2014. While the IEC is in a revision cycle for this standard, it could be three years until a revised standard is complete, so the WTSC is proposing to reaffirm so there is no gap in coverage. It is expected that another U.S. standards development organization will pursue the national adoption of this revised standard. Once that standard is in place, the WTSC plans to file to withdraw our standard to avoid duplicate or conflicting standards. This existing standard defines the requirements for full-scale structural testing of wind turbine blades and for the interpretation and evaluation of achieved test results. The standard focuses on aspects of testing related to an evaluation of the integrity of the blade, for use by manufacturers and third-party investigators. The following tests are considered in this standard: static load tests; fatigue tests; static load tests after fatigue tests; tests determining other blade properties. The purpose of the tests is to confirm to an acceptable level of probability that the whole population of a blade type fulfills the design assumptions.
Single copy price: $179.00 (ACP members); $281.00 (non-ACP members)
Obtain an electronic copy from: https://engage.cleanpower.org/Shop/product-catalog/Product-Details?productid=%7bF4615E9E-498F-E811-80CA-00155D005B49%7d
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

Comment Deadline: October 17, 2022

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | tvinson@awea.org, www.cleanpower.org

Withdrawal

ANSI/AWEA 61400-12-1-2016, Power Performance Measures of Electricity Producing Wind Turbines (withdrawal of ANSI/AWEA 61400-12-1-2016)
The ACP Wind Technical Standards Committee (WTSC) is proposing to withdraw ANSI/AWEA 61400-12-1, an identical national adoption of the IEC 61400-12-1, because the IEC is subdividing the -12 into multiple standards and will be re-publishing this fall, and another ANSI-approved standards development organization has filed project initiation notifications (PINS) for the updated IEC-12 standards. To avoid duplicate or conflicting standards, the ACP WTSC is proposing to withdraw ANSI/AWEA 61400-12-1.
Single copy price: $280.00 (ACP members); $351.00 (non-ACP members)
Obtain an electronic copy from: https://engage.cleanpower.org/Shop/product-catalog/Product-Details?productid=%7bFC615E9E-498F-E811-80CA-00155D005B49%7d
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org

New Standard

BSR/AGSC/NWRD/ROLAGS 002-202x, Auto Glass Safety Council/National Windshield Repair Division/Repair of Laminated Auto Glass Standard 002 (new standard)
A laminated automotive glass repair standard addressing procedures, education and products. Focused on repair, not replacement.
Single copy price: $39.00
Obtain an electronic copy from: kbimber@agsc.org
Order from: Kathy Bimber, 540-602-3263, kbimber@agsc.org
Send comments (copy psa@ansi.org) to: Same

APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | apcostandards@apcointl.org, www.apcoIntl.org

New Standard

BSR/APCO 3.111.1-202X, Detecting Early Warning Symptoms of Stress in Public Safety Telecommunicators (new standard)
Stress is a known issue within public safety communications. As the emergency communications industry evolves, more and more agencies and the telecommunicators, both traditional and non-traditional, are exposed to not just trauma of a phone call, but also now CCTV, videos, pictures, and text. This standard assists all stakeholders in identifying the symptoms of stress and provides current and significant resources to mitigate such stress.
Single copy price: Free
Obtain an electronic copy from: https://www.apcointl.org/services/standards/standards-review-comment/
Send comments (copy psa@ansi.org) to: apcostandards@apcointl.org

Comment Deadline: October 17, 2022

APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | apcostandards@apcointl.org, www.apcoIntl.org

Revision

BSR/APCO 1.103.3-202X, Wireless 9-1-1 Deployment and Management of Effective Practices Guide (revision and redesignation of ANSI/APCO ANS 1.103.2-2013)
This revision is designed to increase the Emergency Communications Center leadership understanding of the technology application and the ability to better manage wireless calls, as well as public and responder expectations.
Single copy price: Free
Obtain an electronic copy from: apcostandards@apcointl.org
Send comments (copy psa@ansi.org) to: https://www.apcointl.org/services/standards/standards-review-comment

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Reaffirmation

BSR X9.131-2015 (R202x), Financial transaction messages - Electronic benefits transfer (EBT) - WIC retailer interface (reaffirmation of ANSI X9.131-2015)
This standard defines a common set of Application Programming Interface (API) functions to access the WIC benefits on an integrated circuit (smart) card in the retailer environment; a common method (card discovery mechanism) to identify the issuer of the WIC EBT benefits and the WIC EBT scheme present on the smart card and, an interface to the card reader device that transmits and receives data from the WIC EBT smart card. The reference or model implementation provided by the WIC State Agency shall utilize this standard. This standard does not specify the reader driver used by the retailer application, but it defines interfaces that may be implemented for the WIC module to access functions of the Reader Driver Module (RDM). The specific requirements of the Reader Driver Interface to the integrated circuit (smart) card are dependent on the card design chosen by the WIC State Agency and may be obtained from them.
Single copy price: $60.00
Obtain an electronic copy from: ambria.frazier@x9.org
Order from: Ambria Frazier; Ambria.frazier@x9.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

New Standard

BSR/ASTM E3235-202x, Practice for Latent Print Evidence Imaging Resolution (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 17, 2022

ASTM (ASTM International)

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

New Standard

BSR/ASTM E3296-202x, Guide for Using Pyrolysis Gas Chromatography and Pyrolysis Gas Chromatography-Mass Spectrometry in Forensic Polymer Examinations (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

New Standard

BSR/ASTM E3309-202x, Guide for Reporting of Forensic Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F681-1982 (R202x), Practice for Use of Branch Connections (reaffirmation of ANSI/ASTM F681-1982 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Order from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F704-1981 (R202x), Practice for Selecting Bolting Lengths for Piping System Flanged Joints (reaffirmation of ANSI/ASTM F704-1981 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F708-1997 (R202x), Practice for Design and Installation of Rigid Pipe Hangers (reaffirmation of ANSI/ASTM F708-1997 (R2018))
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Reaffirmation

BSR/ASTM F721-2018 (R202x), Specification for Gage Piping Assemblies (reaffirmation of ANSI/ASTM F721 -2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F722-2018 (R202x), Specification for Welded Joints for Shipboard Piping Systems (reaffirmation of ANSI/ASTM F722-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F856-1997 (R202x), Practice for Mechanical Symbols, Shipboard - Heating, Ventilation, and Air Conditioning (HVAC) (reaffirmation of ANSI/ASTM F856-1997 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F986-1997 (R202x), Specification for Suction Strainer Boxes (reaffirmation of ANSI/ASTM F986-1997 (R2018))
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Reaffirmation

BSR/ASTM F994-1986 (R202x), Specification for Design and Installation of Overboard Discharge Hull Penetration Connections (reaffirmation of ANSI/ASTM F994-1986 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F998-2012 (R202x), Specification for Centrifugal Pump, Shipboard Use (reaffirmation of ANSI/ASTM F998-2012 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F1006-1997 (R202x), Specification for Entrainment Separators for Use in Marine Piping Applications (reaffirmation of ANSI/ASTM F1006-1997 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F1007-2018 (R202x), Specification for Pipeline Expansion Joints of the Packed Slip Type for Marine Application (reaffirmation of ANSI/ASTM F1007-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F1020-1986 (R202x), Specification for Line-Blind Valves for Marine Applications (reaffirmation of ANSI/ASTM F1020-1986 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F1056-2018 (R202x), Specification for Socket Fusion Tools for Use in Socket Fusion Joining Polyethylene Pipe or Tubing and Fittings (reaffirmation of ANSI/ASTM F1056-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F1507-2000 (R202x), Specification for Surge Suppressors for Shipboard Use (reaffirmation of ANSI/ASTM F1507-2000 (R2017))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F2046-2000 (R202x), Specification for Tachometers, Various (reaffirmation of ANSI/ASTM F2046 -2000 (R2017))
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Reaffirmation

BSR/ASTM F2070-2001 (R202x), Specification for Transducers, Pressure and Differential, Pressure, Electrical and Fiber-Optic (reaffirmation of ANSI/ASTM F2070-2001 (R2017))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F2071-2001 (R202x), Specification for Switch, Position Proximity (Noncontact) or Limit (Mechanical Contact), Fiber-Optic (reaffirmation of ANSI/ASTM F2071-2001 (R2017))
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Revision

BSR/ASTM D2949-202x, Specification for 3.25-in. Outside Diameter Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings (revision of ANSI/ASTM D2949-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM D3311-202x, Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns (revision of ANSI/ASTM D3311-2017 (R2021))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E23-202x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E585-202x, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable (revision of ANSI/ASTM E585-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM E2169-202x, Practice for Selecting Antimicrobial Pesticides for Use in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2169-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM F493-202x, Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings (revision of ANSI/ASTM F493-2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM F905-202x, Practice for Qualification of Polyethylene Saddle-Fused Joints (revision of ANSI/ASTM F905-2004 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1483-202x, Specification for Oriented Poly(Vinyl Chloride), PVCO, Pressure Pipe (revision of ANSI/ASTM F1483-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM F1521-202x, Test Methods for Performance of Range Tops (revision of ANSI/ASTM F1521-2012 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1960-202x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960 -2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 | cfelinski@b11standards.org, https://www.b11standards.org/

Revision

BSR/B11.25-202x, Safety Requirements for Large Machines (revision of ANSI B11.25-2015)
This standard applies to two specific subsets of machinery: - Machine types that would be covered by machine-specific, “type C” B11 standards, but are excluded by the size limitation in the scope of the standard; or
- Machines that, by the nature of the size of the workpiece, tooling, or process travels, require entry into the work envelope to perform normal process tasks.
This document is intended to be used with both ANSI B11.0 and ANSI B11.19 to execute the risk assessment process and apply risk reduction measures (previously known as “safeguarding”), respectively.
Single copy price: $89.00
Obtain an electronic copy from: dfelinski@b11standards.org
Send comments (copy psa@ansi.org) to: cfelinski@b11standards.org

CGA (Compressed Gas Association)

8484 Westpark Drive, Suite 220, McLean, VA 22102 | tdeary@cganet.com, www.cganet.com

Revision

BSR/CGA G-13-202x, Storage and Handling of Silane and Silane Mixtures (revision of ANSI/CGA G-13-2016)
This standard governs the installation of systems and sources that are used to store, transfer, or contain silane or silane mixtures. This standard includes guidance for siting, design of equipment, piping and controls, and the fabrication and installation of silane gas storage and closed-use systems. Additional guidance on operational steps associated with the use of silane and silane mixtures as well as fire protection, gas monitoring, ventilation, and related safeguards are provided.
Single copy price: Free
Obtain an electronic copy from: tdeary@cganet.com
Order from: Thomas Deary; tdeary@cganet.com
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 17, 2022

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

Reaffirmation

BSR/HL7 V3 GELLO IG CDS MDL, R1-2017 (R202x), HL7 Version V3 GELLO Implementation Guide: Clinical Decision Support, Model Definition Language for GELLO, Release 1 (reaffirmation of ANSI/HL7 V3 GELLO IG CDS MDL, R1-2017)
This document specifies a grammar for describing models used to execute against in a GELLO environment.
Single copy price: Free to members and non-members
Obtain an electronic copy from: Karenvan@HL7.org
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HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

Reaffirmation

BSR/HL7 V3 TR ebXMLebM2, R1-2012 (R202x), HL7 Version 3 Standard: Transport Specification - ebXML Using eb MS2.0, Release 1 (reaffirmation of ANSI/HL7 V3 TR ebXMLebM2, R1-2012 (R2017))
The purpose of the ebXML message transport is to provide a secure, flexible transport for exchanging HL7 messages and other content, and potentially other message formats, between message-handling interfaces of ebXML Message Service Handlers (ebXML MSH). This document describes a specific implementation of the ebXML Message Service as described in "Message Service Specification Version 2.0 1", April 2002.
Single copy price: Free to members and non-members.
Obtain an electronic copy from: Karenvan@HL7.org
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IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

New Standard

BSR/IES LM-83-202x, Approved Method: Spatial Daylight Autonomy and Annual Sunlight Exposure (new standard)
This document describes two annual daylight performance metrics, spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE), which provide two useful dimensions for evaluating daylight performance. Both metrics are generated via a similar computer-based simulation methodology that uses a full year of hourly weather data to calculate illuminance values inside a given architectural space. The sDA metric is also distinguished from many others in that it explicitly accounts for the movement of operable shading devices at daylight apertures, which hereafter in this document will be collectively referred to as blinds.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

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IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

New Standard

BSR/IES LM-93-202x, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (new standard)

This Approved Method considers the specific measurement challenges and characteristics of far UV-C optical radiation sources and does not focus on the measurement of energy efficacy but on application-relevant data such as electrical, irradiance, spectral distribution, and angular distribution of the optical radiation source, including the driver. The main reason for this different approach (compared to that used for other UV-C optical radiation sources, like UV-C LEDs and low-pressure mercury lamps) is that other reliable measurement methods (e.g., in a sphere) to measure total output power in the far UV-C range are not yet established.

Single copy price: $25.00

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IES (Illuminating Engineering Society)

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New Standard

BSR/IES RP-27.1-202x, Recommended Practice: Risk Group Classification and Minimization of Photobiological Hazards from Ultraviolet Lamps and Lamp Systems (new standard)

Recommendations in this document apply only to lamps and lamp systems designed primarily to emit ultraviolet (UV) radiant energy for consumer, industrial, scientific, and medical applications. The scope is limited to lamps and lamp systems where more than half of the optical radiation emitted between 180 nm and 3,000 nm is in the spectral region 180 nm to 400 nm. If more than half of the optical radiation emitted between 180 nm to 3,000 nm is outside of the spectral region 180 nm to 400 nm, then the base standard, ANSI/IES RP-27-20, applies.

Single copy price: $25.00

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Revision

BSR/IES RP-29-202x, Recommended Practice: Lighting Hospitals and Healthcare Facilities (revision of ANSI/IES RP-29-2020)

The objective of this document is to provide context, define challenges, and identify recommended lighting design practices for healthcare-specific environments. This document is not prescriptive but is intended to provide guidance and to inspire by identifying possibilities that enable designers to develop the appropriate solutions for complex situations and spaces.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

Comment Deadline: October 17, 2022

LIA (ASC Z136) (Laser Institute of America)

12001 Research Parkway, Suite 210, Orlando, FL 32828 | lcaldero@lia.org, www.laserinstitute.org

Revision

BSR Z136.3-202x, Standard for Safe Use of Lasers in Health Care (revision of ANSI Z136.3-2018)
The standard provides guidance for the safe use of lasers in the health care environment. This guidance assists the establishment and monitoring of programs that promote the safe use of lasers in health care. The scope of this standard includes all circumstances when patients may be exposed to a laser used in health care applications. Specific processes are provided to protect anyone who might become exposed to laser radiation during diagnostic or therapeutic procedures.
Single copy price: $30.00
Obtain an electronic copy from: https://www.lia.org/store/product/bsrz1363202x-safe-use-lasers-health-care-draft-1-public-review
Send comments (copy psa@ansi.org) to: Liliana Caldero; lcaldero@lia.org

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)
This standard applies to industrial turntables designed to rotate in the horizontal plane that are activated manually, or by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable, and manual or powered. They are used to rotate, position, feed, transfer, load, or unload materials only. Industrial turntables are not intended to move personnel. Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.
Single copy price: $50.00
Obtain an electronic copy from: pdavison@mhi.org
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8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH16.1-202X, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1 -2021)
The purpose of this standard is to specify minimum requirements for the structural design, testing, and utilization of industrial steel storage racks. It applies to industrial steel storage racks, movable-shelf racks, rack-supported systems, and automated storage and retrieval systems (sometimes referred to as “stacker racks”) constructed of cold-formed and/or hot-rolled steel structural members. Such rack types also include push-back rack, pallet-flow rack, case-flow rack, pick modules, and rack-supported platforms. This standard is also intended to be applied to the design of the storage rack portion of any rack structure that provides support to the exterior walls and roof, except as noted. It does not apply to other types of racks, such as drive-in or drive-through racks, cantilever racks, portable racks, or to racks made of material other than steel. This revision incorporates updated loading guidance based on ASCE/SEI 7-2022.
Single copy price: $150.00
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Revision

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)
This standard applies to dock leveling devices, which are manufactured structures designed to span and compensate for space and height differentials between a loading dock and a transport vehicle to facilitate freight transfers in an effective and efficient manner. This document serves as the guide for designers, manufacturers, sellers, installers, owners, users, and governing bodies of dock levelers and to provide guidelines for the design and testing of dock leveling devices; to promote the understanding of the respective responsibilities of manufacturers, sellers, installers, designers, owners, users, and governing bodies associated with dock leveling devices; and to provide a uniform means of comparison for dock leveling devices.
Single copy price: $50.00
Obtain an electronic copy from: pdavison@mhi.org
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MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Boards and Dock Plates (revision of ANSI MH30.2-2015)
This standard defines performance and testing requirements for the design, use, and maintenance of portable dock boards and dock plates, collectively known as portable dock leveling devices. The purpose of this standard is to provide a uniform means of comparison, improve user confidence and knowledge, and to define product requirements for portable dock leveling devices. A portable dock leveling device is not permanently affixed to either the transport vehicle or the dock structure and is capable of being moved from one location to another by manual effort or by independently powered equipment. Portable dock leveling devices are commonly referred to as dock boards or dock plates.
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Send comments (copy psa@ansi.org) to: Same

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH30.3-202X, Design, Testing, and Utilization of Vehicle Restraining Devices (revision of ANSI MH30.3-2015)
This standard defines performance and testing requirements with regard to design, use, and maintenance of vehicle restraining devices. A vehicle restraining device is a manufactured structure designed to interface between a loading dock and a transport vehicle. It is intended to facilitate effective and efficient freight transfers by limiting vehicle motion and preventing unanticipated departure or vehicle creep. Vehicle restraining devices commonly incorporate a communication light system between the dock worker on the inside of the building and the truck transport vehicle driver on the outside. The purpose of this standard is to provide a uniform means of comparison, to improve user confidence and knowledge, and to define requirements for vehicle restraining devices.
Single copy price: $50.00
Obtain an electronic copy from: pdavison@mhi.org
Order from: Patrick Davison, pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: October 17, 2022

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | nlagace@niso.org, www.niso.org

Revision

BSR/NISO Z39.102-202x, STS: Standards Tag Suite (revision of ANSI/NISO Z39.102-2017)
Update to ANSI/NISO Z39.102-2017 STS: Standards Tag Suite, achieved through Continuous Maintenance procedure. NISO STS, including the element and attribute descriptions and the two standards tag sets, have been extended based on user experience, public comments, and incorporating applicable modifications that have been made to JATS 1.3. NISO STS 1.2, this version, is fully backward compatible with the previous version of this standard, NISO STS 1.0, and with ISO STS versions 1.1 and 1.0. The Standards Tag Suite (STS) provides a common XML format that developers, publishers, and distributors of standards, including national standards bodies, regional and international standards bodies, and standards development organizations, can use to publish and exchange full-text content and metadata of standards. STS is based on ANSI/NISO Z39.96 (JATS). Structures are provided to encode both the normative and non-normative content of: standards, adoptions of standards, and standards-like documents that are produced by standards organizations.
Single copy price: Free
Obtain an electronic copy from: http://www.niso.org/contact/
Send comments (copy psa@ansi.org) to: nisohq@niso.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 24-21-2017 (R202x), BV16 Speech Codec Specification for Voice over IP Applications in Cable Telephony (reaffirmation of ANSI/SCTE 24-21-2017)
This document contains the description of the BV16 speech codec. BV16 compresses 8-kHz sampled narrowband speech to a bit rate of 16 kb/s by employing a speech coding algorithm called Two-Stage Noise Feedback Coding (TSNFC), developed by Broadcom.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 38-6-2017 (R202x), Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB HMS Management Information Base (MIB) Definition (reaffirmation of ANSI/SCTE 38-6-2017)
This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: October 17, 2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 38-7-2017 (R202x), Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-Transponder-Interface-Bus (TIB)-MIB Management Information Base (MIB) Definition (reaffirmation of ANSI/SCTE 38-7-2017)
This document contains information about the communications state of devices connected to the transponder, as well as indicating what device-specific MIB each device supports. These devices are typically connected to the transponder via a serial communications link (bus).
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 38-8-2017 (R202x), Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-DOWNLOAD-MIB Management Information Base (MIB) Definition (reaffirmation of ANSI/SCTE 38-8-2017)
This document contains the definitions used to maintain one or more loadable firmware images on an HMS transponder.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 38-10-2017 (R202x), Outside Plant Status Monitoring SCTE-HMS-RF-AMPLIFIER-MIB Management Information Base (MIB) Definition (reaffirmation of ANSI/SCTE 38-10-2017)
This document defines information about HFC RF Amplifiers.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: October 17, 2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 38-11-2017 (R202x), HMS Headend Management Information Base (MIB) SCTE-HMS-HEADENDIDENT-MIB (reaffirmation of ANSI/SCTE 38-11-2017)
This document provides the branch object identifiers for each of the MIBs within the SCTE HMS HEADENDIDENT Tree.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 250-202x, Real-time Event Signaling and Management API (revision of ANSI/SCTE 250-2020)
This document details the interfaces between a Signal Acquisition System (SAS) and a Signal Decision System (SDS) in order to support signal and manifest processing. The APIs support synchronous signal processing, asynchronous signal processing, and processing of both linear and file-based content.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: November 1, 2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME PTC 17-1973 (R202x), Reciprocating Internal-Combustion Engines (reaffirmation of ANSI/ASME PTC 17-1973 (R2012))
This Code provides rules for testing, and for the computation and tabulation of the results of tests, for all types of reciprocating internal-combustion engines, in order to determine power and fuel consumption.
Single copy price: $55.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Angel Guzman Rodriguez; guzman@asme.org

Comment Deadline: November 1, 2022

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

INCITS/ISO/IEC 20547-3:2020 [202x], Information technology - Big data reference architecture - Part 3: Reference architecture (identical national adoption of ISO/IEC 20547-3:2020)
Specifies the big data reference architecture (BDRA). The reference architecture includes concepts and architectural views.
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

INCITS/ISO/IEC 23053:2022 [202x], Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML) (identical national adoption of ISO/IEC 23053:2022)
Establishes an Artificial Intelligence (AI) and Machine Learning (ML) framework for describing a generic AI system using ML technology. The framework describes the system components and their functions in the AI ecosystem. This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that are implementing or using AI systems.
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

INCITS/ISO/IEC 38507:2022 [202x], Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations (identical national adoption of ISO/IEC 38507:2022)
Provides guidance for members of the governing body of an organization to enable and govern the use of Artificial Intelligence (AI), in order to ensure its effective, efficient and acceptable use within the organization.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Project Withdrawn

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

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-34-2012 (R202x), Ambient Condensation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-34-2012 (R2017))
Inquiries may be directed to Laura Donohoe; ldonohoe@ecianow.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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

ANSI/AAMI/ISO 5840-1-2022, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1:202x and revision of ANSI/AAMI/ISO 5840-1-2015) Final Action Date: 8/25/2022

National Adoption

ANSI/AAMI/ISO 5840-2-2022, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:202x and revision of ANSI/AAMI/ISO 5840-2 -2015) Final Action Date: 8/25/2022

National Adoption

ANSI/AAMI/ISO 5840-3-2022, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (identical national adoption of ISO 5840-3:202x and revision of ANSI/AAMI/ISO 5840-3-2012) Final Action Date: 8/25/2022

National Adoption

ANSI/AAMI/ISO 18472-2022, Sterilization of health care products - Biological and chemical indicators - Test equipment (identical national adoption of ISO 18472:2018) Final Action Date: 8/24/2022

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Reaffirmation

ANSI/ANS 19.4-2017 (R2022), A Guide for Acquisition and Documentation of Reference Power Reactor Physics Measurements for Nuclear Analysis Verification (reaffirmation of ANSI/ANS 19.4-2017) Final Action Date: 8/24/2022

APTech (ASC B65) (Association for Print Technologies)

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | dorf@aptech.org, www.printtechnologies.org

Reaffirmation

ANSI B65-1-2011 (R2022), Graphic Technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (reaffirm a national adoption ANSI B65-1-2011) Final Action Date: 8/24/2022

Reaffirmation

ANSI B65-2-2011 (R2022), Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems (reaffirm a national adoption ANSI B65-2-2011) Final Action Date: 8/24/2022

Reaffirmation

ANSI B65-3-2011 (R2022), Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (reaffirm a national adoption ANSI B65-3-2011) Final Action Date: 8/24/2022

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

National Adoption

ANSI X9.134-5-2022, Mobile Financial Services - Part 5: Mobile Payments to Businesses (national adoption with modifications of ISO 12812-Part 5) Final Action Date: 8/24/2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

ANSI/ASME B31.3-2022, Process Piping (revision of ANSI/ASME B31.3-2020) Final Action Date: 8/24/2022

ASSP (Safety) (American Society of Safety Professionals)

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

Reaffirmation

ANSI/ASSP Z359.4-2013 (R2022), Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (reaffirmation of ANSI/ASSE Z359.4-2013) Final Action Date: 8/25/2022

CSA (CSA America Standards Inc.)

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

National Adoption

ANSI/CSA LNG 3.2-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 2: Performance and general test methods (national adoption of ISO 12614-2 with modifications and revision of ANSI/CSA LNG 3.2-2018) Final Action Date: 8/25/2022

National Adoption

ANSI/CSA LNG 3.13-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 13: Tank pressure control regulator (national adoption of ISO 12614-13 with modifications and revision of ANSI/CSA LNG 3.13-2018) Final Action Date: 8/25/2022

National Adoption

ANSI/CSA LNG 3.14-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 14: Differential pressure fuel content gauge (identical national adoption of ISO 12614-14 and revision of ANSI/CSA LNG 3.14-2018) Final Action Date: 8/25/2022

National Adoption

ANSI/CSA LNG 3.15-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 15: Capacitance fuel content gauge (national adoption of ISO 12614-15 with modifications and revision of ANSI/CSA LNG 3.15-2018) Final Action Date: 8/25/2022

National Adoption

ANSI/CSA LNG 3.16-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 16: Heat exchanger vaporizer (identical national adoption of ISO 12614-16 and revision of ANSI/CSA LNG 3.16-2018) Final Action Date: 8/25/2022

CSA (CSA America Standards Inc.)

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

National Adoption

ANSI/CSA LNG 3.18-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 18: Gas temperature sensor (national adoption of ISO 12614-18 with modifications and revision of ANSI/CSA LNG 3.18 -2018) Final Action Date: 8/25/2022

National Adoption

ANSI/CSA LNG 3.19-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 19: Automatic valve (identical national adoption of ISO 12614-19 and revision of ANSI/CSA LNG 3.19-2018) Final Action Date: 8/25/2022

New Standard

ANSI/CSA NGV 4.3-2022, Temperature compensation for compressed natural gas vehicle fueling (new standard) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.1-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 1: General requirements and definitions (revision of ANSI/CSA LNG 3.1-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.3-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve (revision of ANSI/CSA LNG 3.3-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.4-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 4: Manual valve (revision of ANSI/CSA LNG 3.4-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.5-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge (revision of ANSI/CSA LNG 3.5-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.7-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 7: Pressure relief valve (revision of ANSI/CSA LNG 3.7-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.8-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve (revision of ANSI/CSA LNG 3.8-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.9-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 9: Gas-tight housing and ventilation hose (revision of ANSI/CSA LNG 3.9-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.10-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 10: Rigid fuel line in stainless steel (revision of ANSI/CSA LNG 3.10-2018) Final Action Date: 8/25/2022

Revision

ANSI/CSA LNG 3.11-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 11: Fittings (revision of ANSI/CSA LNG 3.11-2018) Final Action Date: 8/25/2022

CSA (CSA America Standards Inc.)

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

Revision

ANSI/CSA LNG 3.12-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 12: Rigid fuel line in copper and its alloys (revision of ANSI/CSA LNG 3.12-2018) Final Action Date: 8/25/2022

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmation

INCITS/ISO/IEC 14776-372:2011 [R2022], Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2) (reaffirmation of INCITS/ISO/IEC 14776-372:2011 [R2017]) Final Action Date: 8/26/2022

NEMA (ASC C119) (National Electrical Manufacturers Association)

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

Revision

ANSI C119.4-2022, Electric Connectors - Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C (revision of ANSI C119.4-2016) Final Action Date: 8/25/2022

NEMA (ASC GR) (National Electrical Manufacturers Association)

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

New Standard

ANSI/NEMA GR 1-2022, Ground Rod Electrodes and Ground Rod Electrode Couplings (new standard) Final Action Date: 8/24/2022

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

ANSI/NFPA 731-2023, Standard for the Installation of Premises Security Systems (revision of ANSI/NFPA 731 -2020) Final Action Date: 8/24/2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

ANSI/NSF 49-2022 (i142r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020) Final Action Date: 8/18/2022

Revision

ANSI/NSF 53-2022 (i142r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Final Action Date: 8/22/2022

Revision

ANSI/NSF 332-2022 (i9r3.1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015) Final Action Date: 8/22/2022

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

75 Barett Drive, #1190, Webster, NY 14580 | paugino@optimaxsi.com, www.OEOSC.org

National Adoption

ANSI OEOSC ISO 10110-7-2022, Optics and Electro-Optical Instruments- Preparation of drawings foroptical elements and systems - Part 7: Surface Imperfections (identical national adoption of ISO 10110-7:2017) Final Action Date: 8/25/2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | mitchell.gold@ul.org, https://ul.org/

National Adoption

ANSI/UL 61800-5-1-2022, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption with modifications of IEC 61800-5-1) Final Action Date: 6/24/2022

Reaffirmation

ANSI/UL 1261-2017 (R2022), Standard for Safety for Electric Water Heaters for Pools and Tubs (reaffirmation of ANSI/UL 1261-2017) Final Action Date: 8/24/2022

Reaffirmation

ANSI/UL 60079-26-2017 (R2022), Standard for Safety for Explosive Atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga (reaffirm a national adoption ANSI/UL 60079-26-2017) Final Action Date: 8/16/2022

Reaffirmation

ANSI/UL 60939-3-2017 (R2022), Standard for passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (reaffirm a national adoption ANSI/UL 60939-3 -2017) Final Action Date: 7/25/2022

Revision

ANSI/UL 428B-2022, Standard for Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 428B-2021) Final Action Date: 8/22/2022

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Revision

ANSI/VITA 48.0-2022, Mechanical Specification for Microcomputers using Ruggedized Enhanced Design Implementation (REDI) (revision of ANSI/VITA 48.0-2020) Final Action Date: 8/24/2022

Revision

ANSI/VITA 62.0-2022, Modular Power Supply Standard (revision of ANSI/VITA 62-2016) Final Action Date: 8/24/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

Call for Members (ANS Consensus Bodies)

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org

BSR/AGSC/NWRD/ROLAGS 002-202x, Auto Glass Safety Council/National Windshield Repair Division/Repair of Laminated Auto Glass Standard 002 (new standard)

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES LM-83-202x, Approved Method: Spatial Daylight Autonomy and Annual Sunlight Exposure (new standard)

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES LM-93-202x, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (new standard)

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES RP-29-202x, Recommended Practice: Lighting Hospitals and Healthcare Facilities (revision of ANSI/IES RP -29-2020)

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES RP-27.1-202x, Recommended Practice: Risk Group Classification and Minimization of Photobiological Hazards from Ultraviolet Lamps and Lamp Systems (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS/ISO/IEC 20547-3:2020 [202x], Information technology - Big data reference architecture - Part 3: Reference architecture (identical national adoption of ISO/IEC 20547-3:2020)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS/ISO/IEC 23053:2022 [202x], Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML) (identical national adoption of ISO/IEC 23053:2022)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS/ISO/IEC 38507:2022 [202x], Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations (identical national adoption of ISO/IEC 38507:2022)

LIA (ASC Z136) (Laser Institute of America)

12001 Research Parkway, Suite 210, Orlando, FL 32828 | lcaldero@lia.org, www.laserinstitute.org

BSR Z136.3-202x, Standard for Safe Use of Lasers in Health Care (revision of ANSI Z136.3-2018)

Call for Members (ANS Consensus Bodies)

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

BSR C37.57-202x, Standard for SwitchgearMetal-Enclosed Interrupter Switchgear AssembliesConformance Testing (new standard)

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | nlagace@niso.org, www.niso.org

BSR/NISO Z39.102-202x, STS: Standards Tag Suite (revision of ANSI/NISO Z39.102-2017)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 42-202x (i122r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

BSR/NSF 46-202x (i41r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 53-202x (i144r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 58-202x (i101r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

BSR/NSF 385-202x (i3r5), Disinfection Mechanics (revision of ANSI/NSF 385-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 401-202x (i28r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | rbrooker@nsf.org, www.nsf.org

BSR/NSF 455-2-202x (i35r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)

American National Standards (ANS) Announcements

Corrections

ULSE - UL Standards & Engagement

BSR/UL 2561-2009 (R202x)

The 8/12/2022, Call for Comment notice mistakenly referenced an incorrect designation. This public review notice should have been described as:
BSR/UL 2561-2009 (R202x), Standard for Safety for 1400 Degree Fahrenheit Factory-Built Chimneys
(reaffirmation of ANSI/UL 2561-2009 (R2018))
Please direct inquiries to: Isabella Brodzinski; isabella.brodzinski@ul.org

1.1 These requirements cover factory-built 1400 degree Fahrenheit chimneys intended for venting gas, liquid, and solid-fuel-fired appliances in which the maximum continuous flue-gas temperatures do not exceed 1400°F (760°C).
1.2 Factory-built chimneys are intended for installation in accordance with the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, NFPA 211, and in accordance with codes such as the International Mechanical Code, and the Uniform Mechanical Code.

Corrections

ULSE - UL Standards & Engagement

BSR/UL 641-2009 (R202x)

The 8/12/2022, Call for Comment notice mistakenly referenced an incorrect designation. This public review notice should have been described as:
BSR/UL 641-2009 (R202x), Standard for Safety for Type L Low-Temperature Venting Systems
(reaffirmation of ANSI/UL 641-2009 (R2018))
Please direct inquiries to: Isabella Brodzinski; isabella.brodzinski@ul.org

1.1 These requirements cover factory-built vent piping and fittings constructed to provide venting systems for use with gas and liquid fuel-burning appliances that exhaust low-temperature flue gases and that are approved for use with Type L venting systems.
1.2 The Type L low-temperature venting systems covered by these requirments are intended for installation in accordance with the National Fire Protection Association Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel Burning Appliances, NFPA 211, the International Mechanical Code, and the Uniform Mechanical Code.
1.3 A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this standard, and that involves a risk of fire or of electric shock or injury to persons shall be evaluated using appropriate additional component and end-product requirements to maintain the level of safety as originally anticipated by the intent of this standard. A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this standard does not comply with this standard. Revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

IKECA - International Kitchen Exhaust Cleaning Association

Meeting Time: October 18, 2022, 1:00 – 5:00 pm Central

The next meeting of the ANSI/IKECA Technical Standards Development Committee will be:
Tuesday, October 18, 2022
1:00 – 5:00 pm Central
Hyatt Regency Milwaukee
For inquiries please contact: Nikki Augsburger, International Kitchen Exhaust Cleaning Association (IKECA) | 2331 Rock Spring Road, Forest Hill, MD 21050 | (410) 417-5234, nikki@ikeca.org

American National Standards (ANS) Process

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

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd

• American National Standards Key Steps: www.ansi.org/anskeysteps

• American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers: https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/

• ANSI - Education and Training: www.standardslearn.org

American National Standards Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
tambrosius@aafs.org

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

Amanda Benedict
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ACP
American Clean Power Association
1501 M Street NW, Suite 1000
Washington, DC 22205
www.cleanpower.org

Tom Vinson
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AGSC
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20 PGA Drive, Suite 201
Stafford, VA 22554
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Kathy Bimber
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ANS
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555 North Kensington Avenue
La Grange Park, IL 60526
www.ans.org

Kathryn Murdoch
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APCO
Association of Public-Safety Communications Officials-International
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Daytona Beach, FL 32114
www.apcointl.org

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APTech (ASC CGATS)
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113 Seaboard Lane, Suite C250
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www.printtechnologies.org

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ASC X9
Accredited Standards Committee X9, Incorporated
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ASHRAE
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Peachtree Corners, GA 30092
www.ashrae.org

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ASME
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Two Park Avenue, 6th Floor
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www.asme.org

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ASME
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www.asme.org

Terrell Henry
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ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
www.assp.org

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

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B11
B11 Standards, Inc.
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Houston, TX 77269
https://www.b11standards.org/

Chris Felinski
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CGA
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8484 Westpark Drive, Suite 220
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CSA
CSA America Standards Inc.
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HL7
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3300 Washtenaw Avenue, Suite 227
Ann Arbor, MI 48104
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HPS (ASC N13)
Health Physics Society
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IES
Illuminating Engineering Society
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IIAR
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ITI (INCITS)
InterNational Committee for Information Technology Standards
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LIA (ASC Z136)
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MHI
Material Handling Industry
8720 Red Oak Boulevard, Suite 201
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NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
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NEMA (ASC C37)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 1752
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NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269
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NISO
National Information Standards Organization
3600 Clipper Mill Road, Suite 302
Baltimore, MD 21211
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NSF
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789 N. Dixboro Road
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OEOSC (ASC OP)
Optics and Electro-Optics Standards Council
75 Barett Drive, #1190
Webster, NY 14580
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SCTE
Society of Cable Telecommunications Engineers
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Kim Cooney
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ULSE
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ULSE
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VITA
VMEbus International Trade Association (VITA)
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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/FDIS 362-1, Acoustics - Engineering method for measurement of noise emitted by accelerating road vehicles - Part 1: M and N categories - 4/29/2021, $146.00

Additive manufacturing (TC 261)

ISO/ASTM FDIS 52911-3, Additive manufacturing - Design - Part 3: PBF-EB of metallic materials - 10/14/2021, $88.00

ISO/ASTM DIS 52939, Additive Manufacturing for construction - Qualification principles - Structural and infrastructure elements - 11/11/2022, $107.00

Agricultural food products (TC 34)

ISO/DIS 22174, Microbiology of the food chain - Polymerase chain reaction (PCR) for the detection and quantification of microorganisms - General requirements and definitions - 11/13/2022, $82.00

ISO/DIS 24364, Royal jelly production - 11/17/2022, $46.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 12604-3, Aircraft ground handling - Checked baggage - Part 3: Workstation ergonomics - 11/1/2020, $58.00

Building construction (TC 59)

ISO/FDIS 6707-3, Buildings and civil engineering works - Vocabulary - Part 3: Sustainability terms - 7/22/2021, $146.00

Clean cookstoves and clean cooking solutions (TC 285)

ISO/DIS 5714, Clean cookstoves and clean cooking solutions - Test protocols for institutional cookstoves - 11/17/2022, $71.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO 5459:2011/DAmd 1, - Amendment 1: Geometrical product specifications (GPS) - Geometrical tolerancing - Datums and datum systems - Amendment 1 - 11/17/2022, $102.00

Implants for surgery (TC 150)

ISO/DIS 22926, Implants for surgery - Specification and verification of synthetic anatomical bone models for testing - 11/12/2022, $67.00

Industrial trucks (TC 110)

ISO/DIS 6055.2, Industrial trucks - Overhead guards - Specification and testing - 9/2/2022, $62.00

Information and documentation (TC 46)

ISO/DIS 11620, Information and documentation - Library performance indicators - 6/30/2022, $175.00

Laboratory glassware and related apparatus (TC 48)

ISO/DTR FDIS 16153, Determination of uncertainty for volume measurements of a piston-operated volumetric apparatus using a photometric method -, $82.00

ISO/DTR FDIS 20461, Determination of uncertainty for volume measurements of a piston-operated volumetric apparatus using a gravimetric method -, $71.00

Lifts, escalators, passenger conveyors (TC 178)

ISO/DIS 25745-1, Energy performance of lifts, escalators and moving walks - Part 1: Energy measurement and verification - 11/13/2022, $67.00

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

ISO/DIS 24201, Petroleum, petrochemical and natural gas industries - Bulk material for offshore projects - Tertiary outfitting structures - 6/24/2022, $185.00

ISO/DIS 24202, Petroleum, petrochemical and natural gas industries - Bulk material for offshore projects - Monorail beam and padeye - 6/24/2022, $107.00

Metallic and other inorganic coatings (TC 107)

ISO/DIS 14920, Thermal spraying - Spraying and fusing of self-fluxing alloys - 11/13/2022, $53.00

Nuclear energy (TC 85)

ISO/DIS 7753, Nuclear criticality safety - Use of criticality accident alarm systems for operations - 6/24/2022, $93.00

Paper, board and pulps (TC 6)

ISO/FDIS 3037, Corrugated fibreboard - Determination of edgewise crush resistance (non-waxed edge method) - 11/4/2021, $53.00

ISO/FDIS 3688, Pulps - Preparation of laboratory sheets for the measurement of optical properties - 9/18/2021, $46.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 11611, Protective clothing for use in welding and allied processes - 6/24/2022, $119.00

Petroleum products and lubricants (TC 28)

ISO/DIS 3104, Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity - 11/14/2022, $88.00

ISO/DIS 4259-5, Petroleum and related products - Precision of measurement methods and results - Part 5: Statistical assessment of agreement between two different measurement methods that claim to measure the same property - 11/12/2022, $125.00

ISO/DIS 4266-4, Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 4: Measurement of temperature in atmospheric tanks - 11/11/2022, $62.00

Photography (TC 42)

ISO/FDIS 18951-1, Imaging materials - Scratch resistance of photographic prints - Part 1: General test method - 9/26/2021, $58.00

Pigments, dyestuffs and extenders (TC 256)

ISO/FDIS 18314-3, Analytical colorimetry - Part 3: Special indices - 11/12/2021, $40.00

Plastics (TC 61)

ISO/DIS 1172, Textile-glass-reinforced plastics - Prepregs, moulding compounds and laminates - Determination of the textile-glass and mineral-filler content - Calcination methods - 11/12/2022, $46.00

Railway applications (TC 269)

ISO/DIS 24221, Railway Applications - Braking System - General Requirements - 11/14/2022, $82.00

Road vehicles (TC 22)

ISO/DIS 8714, Electric road vehicles - Reference energy consumption and range - Test procedures for passenger cars and light commercial vehicles - 6/30/2022, $71.00

Soil quality (TC 190)

ISO/DIS 18475, Environmental solid matrices - Determination of polychlorinated biphenyls (PCB) by gas chromatography - Mass selective detection (GC-MS) or electron-capture detection (GC-ECD) - 11/11/2022, $107.00

Sports and recreational equipment (TC 83)

ISO/DIS 4980, Benefit-risk assessment for sports, for recreational and sports facilities including equipment - 6/25/2022, $119.00

Steel wire ropes (TC 105)

ISO/FDIS 4344, Steel wire ropes for lifts - Minimum requirements - 8/27/2021, $102.00

Sterilization of health care products (TC 198)

ISO/FDIS 11140-6, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers - 5/8/2021, $107.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 24617-14, Language resource management - Semantic annotation framework (SemAF) - Part 14: Spatial semantics - 11/13/2022, $62.00

Textiles (TC 38)

ISO/DIS 18782, Textiles - Determination of dynamic hygroscopic heat generation - 6/25/2022, $71.00

ISO/DIS 17751-1, Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends - Part 1: Light microscopy method - 6/26/2022, $112.00

ISO/DIS 17751-2, Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends - Part 2: Scanning electron microscopy method - 6/26/2022, $125.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 4254-7:2017/DAmd 1, - Amendment 1: Agricultural machinery - Safety - Part 7: Combine harvesters, forage harvesters, cotton harvesters and sugar cane harvesters - Amendment 1: Amendment 1 - 11/12/2022, $40.00

Traditional Chinese medicine (TC 249)

ISO/FDIS 5227, Traditional Chinese medicine - Safety controls for cupping devices - 11/12/2021, $40.00

Transport information and control systems (TC 204)

ISO/DIS 4273, Intelligent transport systems - Automated braking during low speed manoeuvring (ABLS) - Requirements and test procedures - 6/26/2022, $88.00

Water quality (TC 147)

ISO/FDIS 7704, Water quality - Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods - 8/8/2021, $107.00

Water re-use (TC 282)

ISO/DIS 20670, Water reuse - Vocabulary - 11/12/2022, $71.00

Welding and allied processes (TC 44)

ISO/DIS 18279, Brazing - Imperfections in brazed joints - 11/10/2022, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 5140, Information technology - Cloud computing - Concepts for multi-cloud and the use of multiple cloud services - 11/11/2022, $93.00

ISO/IEC DIS 23008-2, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - 11/12/2022, $311.00

IEC Standards

Automatic controls for household use (TC 72)

72/1322/CD, IEC 60730-2-23 ED1: Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensing elements, 10/21/2022

Dependability (TC 56)

56/1965/CD, IEC 62309 ED2: Dependability of products containing reused parts - Requirements for functionality and tests, 11/18/2022

Electric road vehicles and electric industrial trucks (TC 69)

69/860/DPAS, IEC PAS 61851-1-1 ED1: Electric vehicle conductive charging system - Part 1-1: Specific requirements for electric vehicle conductive charging system using type 4 vehicle coupler, 10/21/2022

69/859/CD, IEC TS 61851-26 ED1: Electric vehicle conductive charging system - Part 26: EV supply equipment with automated connection of a vehicle coupler located at the underbody of an electric vehicle, 11/18/2022

69/858/CD, IEC TS 61851-27 ED1: Electric vehicle conductive charging system - Part 27: EV supply equipment with automated connection of a vehicle coupler according to IEC 62196-2 or IEC 62196-3, 11/18/2022

Electrical accessories (TC 23)

23G/477/FDIS, IEC 60799/AMD1 ED3: Amendment 1 - Electrical accessories - Cord sets and interconnection cord sets, 10/07/2022

23E/1265/CDV, IEC 61008-1 ED4: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules, 11/18/2022

23E/1261/CDV, IEC 61008-2-1 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's). Part 2-1: RCCBs according to 4.1.1, 11/18/2022

23E/1262/CDV, IEC 61008-2-2 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - Part 2-2: RCCBs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 11/18/2022

23E/1266/CDV, IEC 61009-1 ED4: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, 11/18/2022

23E/1263/CDV, IEC 61009-2-1 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-1: RCBOs according to 4.1.1, 11/18/2022

23E/1264/CDV, IEC 61009-2-2 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-2: RCBOs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 11/18/2022

23E/1268(F)/FDIS, IEC 61543 ED2: Residual current-operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility, 09/30/2022

23E/1274/FDIS, IEC 62873-3-3 ED2: Residual current operated circuit-breakers for household and similar use - Part 3-3: Specific requirements for devices with screw-type terminals for external untreated aluminium conductors and with aluminium screw-type terminals for use with copper or with aluminium conductors, 10/07/2022

Electrical equipment in medical practice (TC 62)

62C/853/CD, IEC 60601-2-64/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-64: Particular requirements for the basic safety and essential performance of light ion beam medical electrical equipment, 10/21/2022

62B/1288/CDV, IEC 62220-2 ED1: Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 2: Determination of dual-energy subtraction efficiency - Detectors used for dual-energy radiographic imaging, 11/18/2022

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18A/452/CD, IEC 60092-353 ED5: Electrical installations in ships - Part 353: Power cables for rated voltages 1 kV and 3 kV, 11/18/2022

Electromagnetic compatibility (TC 77)

77A/1153/DTR, IEC TR 61000-2-15 ED1: Electromagnetic compatibility - Part 2-15: Description of the characteristics of networks with high penetration of power electronics equipment, 10/21/2022

Environmental conditions, classification and methods of test (TC 104)

104/943/NP, PNW 104-943 ED1: IEC 60068-2-87 Ed.1 Environmental Testing - Part 2-87: Tests-Test xx: UV-C Exposure of Materials and Components to Simulate Ultraviolet Germicidal Irradiation or Other Applications, 10/21/2022

Equipment for electrical energy measurement and load control (TC 13)

13/1869(F)/FDIS, IEC 62052-41 ED1: Electricity metering equipment - General requirements, tests and test conditions - Part 41: Energy registration methods and requirements for multi-energy and multi-rate meters, 09/09/2022

Fibre optics (TC 86)

86A/2230/CD, IEC 60974-1-201 ED1: Optical fibre cables - Part 1-201: Generic specification - Basic optical cable test procedures - Environmental test methods - Temperature cycling, Method F1, 10/21/2022

86C/1821/DTR, IEC TR 61292-4 ED4: Optical amplifiers - Part 4: Maximum permissible optical power for the damage-free and safe use of optical amplifiers, including Raman amplifiers, 10/21/2022

86C/1822/DTR, IEC TR 61292-6 ED2: Optical amplifiers - Part 6: Distributed Raman amplification, 10/21/2022

86C/1820/DTR, IEC TR 61292-9 ED3: Optical amplifiers - Part 9: Semiconductor optical amplifiers (SOAs), 10/21/2022

86C/1823/DTR, IEC TR 62343-6-12 ED1: Dynamic Modules - Part 6-12: Design guideline - Survey results on performance specifications for 1 x N wavelength selective switches, 10/21/2022

Flat Panel Display Devices (TC 110)

110/1458/CD, IEC 62629-52-1 ED1: 3D display devices - Part 52 -1: Fundamental measurement methods of aerial display - Optical, 10/21/2022

110/1459/FDIS, IEC 62629-62-11 ED1: 3D display devices - Part 62-11: Measurement methods for virtual-image type - Optical, 10/07/2022

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

113/701/DTS, IEC TS 62607-6-12 ED1: Nanomanufacturing - Key Control Characteristics - Part 6-12: Graphene - Number of layers: Raman spectroscopy, optical reflection, 11/18/2022

113/700/DTS, IEC TS 62607-6-17: Nanomanufacturing - Key control characteristics - Part 6-17: Graphene-based materials - Order parameter: XRD and TE, 11/18/2022

Nuclear instrumentation (TC 45)

45A/1443/FDIS, IEC 60910 ED2: Nuclear power plants - Instrumentation important to safety - Containment monitoring for early detection of developing deviations from normal operation in light water reactors, 10/07/2022

Performance of household electrical appliances (TC 59)

59/799/FDIS, IEC 63237-1 ED1: Household and similar electrical appliances - Product information properties - Part 1: Fundamentals, 10/07/2022

59F/450/NP, PNW 59F-450 ED1: Household and similar electrical appliances - Part 2-xx: Particular requirements for wet hard floor cleaning appliances, 10/21/2022

Secondary cells and batteries (TC 21)

21A/809(F)/FDIS, IEC 61951-2/AMD1 ED4: Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, 09/30/2022

Small power transformers and reactors and special transformers and reactors (TC 96)

96/549(F)/FDIS, IEC 61558-2-13 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2 -13: Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications, 09/09/2022

96/548(F)/FDIS, IEC 61558-2-2 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2 -2: Particular requirements and tests for control transformers and power supply units incorporating control transformers, 09/09/2022

ISO/IEC JTC 1, Information Technology

JTC1-SC41/306/NP, PNW JTC1-SC41-306 ED1: Internet of Things (IoT) - Evaluation indicator for IoT systems, 11/18/2022

Wearable electronic devices and technologies (TC 124)

124/195/FDIS, IEC 63203-402-1 ED1: Wearable electronic devices and technologies - Part 402-1: Performance measurement of fitness wearables - Test methods of glove-type motion sensors for measuring finger movements, 10/07/2022

124/189/CDV, IEC 63203-402-2 ED1: Wearable electronic devices and technologies - Part 402-2: Performance Measurement of Fitness Wearables - Step Counting, 11/18/2022

124/197/FDIS, IEC 63203-801-1 ED1: Wearable electronic devices and technologies - Part 801-1: Smart Body Area Network (SmartBAN) - Enhanced Ultra-Low Power Physical Layer, 10/07/2022

124/198/FDIS, IEC 63203-801-2 ED1: Wearable electronic devices and technologies - Part 801-2: Smart Body Area Network (SmartBAN) - Low Complexity Medium Access Control (MAC) for SmartBAN, 10/07/2022

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

Applications of statistical methods (TC 69)

ISO 24185:2022, Evaluation of the uncertainty of measurements from a stationary autocorrelated process, $111.00

Bamboo and rattan (TC 296)

ISO 21629-2:2022, Bamboo floorings - Part 2: Outdoor use, $111.00

Cleaning equipment for air and other gases (TC 142)

ISO 29461-2:2022, Air intake filter systems for rotary machinery - Test methods - Part 2: Filter element endurance test in fog and mist environments, $175.00

Cosmetics (TC 217)

ISO 16128-2:2017/Amd 1:2022, Cosmetics - Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients - Part 2: Criteria for ingredients and products - Amendment 1, $20.00

Cryogenic vessels (TC 220)

ISO 21014:2019/Amd 1:2022, Cryogenic vessels - Cryogenic insulation performance - Amendment 1, $20.00

Dentistry (TC 106)

ISO 22674:2022, Dentistry - Metallic materials for fixed and removable restorations and appliances, $200.00

Fire safety (TC 92)

ISO 24678-9:2022, Fire safety engineering - Requirements governing algebraic formulae - Part 9: Ejected flame from an opening, $149.00

Gas cylinders (TC 58)

ISO 11515:2022, Gas cylinders - Refillable composite reinforced tubes of water capacity between 450 l and 3000 l - Design, construction and testing, $200.00

Health Informatics (TC 215)

ISO 11615:2017/Amd 1:2022, Health informatics - Identification of medicinal products - Data elements and structures for the unique identification and exchange of regulated medicinal product information - Amendment 1, $20.00

Information and documentation (TC 46)

ISO 26324:2022, Information and documentation - Digital object identifier system, $111.00

Light gauge metal containers (TC 52)

ISO 24021-1:2022, Light gauge metal containers - Vocabulary and classification - Part 1: Open-top cans and ends, $175.00

Natural gas (TC 193)

ISO 10101-1:2022, Natural gas - Determination of water by the Karl Fischer method - Part 1: General requirements, $48.00

ISO 10101-2:2022, Natural gas - Determination of water by the Karl Fischer method - Part 2: Volumetric procedure, $73.00

Nuclear energy (TC 85)

ISO 12749-2:2022, Nuclear energy, nuclear technologies, and radiological protection - Vocabulary - Part 2: Radiological protection, $48.00

Other

ISO/CIE 11664-6:2022, Colorimetry - Part 6: CIEDE2000 colour-difference formula, $73.00

Quality management and quality assurance (TC 176)

ISO 10010:2022, Quality management - Guidance to understand, evaluate and improve organizational quality culture, $111.00

Railway applications (TC 269)

ISO 22074-4:2022, Railway infrastructure - Rail fastening systems - Part 4: Test methods for resistance to repeated loading, $111.00

Sieves, sieving and other sizing methods (TC 24)

ISO 20998-2:2022, Measurement and characterization of particles by acoustic methods - Part 2: Linear theory, $175.00

Steel (TC 17)

ISO 4943:2022, Steel and cast iron - Determination of copper content - Flame atomic absorption spectrometric method, $111.00

Sterilization of health care products (TC 198)

ISO 22441:2022, Sterilization of health care products - Low temperature vaporized hydrogen peroxide - Requirements for the development, validation and routine control of a sterilization process for medical devices, $225.00

Thermal insulation (TC 163)

ISO 29768:2022, Thermal insulating products for building applications - Determination of linear dimensions of test specimens, $48.00

Tobacco and tobacco products (TC 126)

ISO 24211:2022, Vapour products - Determination of selected carbonyls in vapour product emissions, $111.00

Transfusion, infusion and injection equipment for medical use (TC 76)

ISO 8362-2:2015/Amd 1:2022, Injection containers and accessories - Part 2: Closures for injection vials - Amendment 1, $20.00

ISO Technical Reports

Banking and related financial services (TC 68)

ISO/TR 22126-5:2022, Financial services - Semantic technology - Part 5: Mapping from FIX Orchestra to the common model, $48.00

Optics and optical instruments (TC 172)

ISO/TR 14997-2:2022, Optics and photonics - Test methods for surface imperfections of optical elements - Part 2: Machine vision, $73.00

Transport information and control systems (TC 204)

ISO/TR 6026:2022, Electronic fee collection - Pre-study on the use of vehicle licence plate information and automatic number plate recognition (ANPR) technologies, $200.00

ISO Technical Specifications

Document imaging applications (TC 171)

ISO/TS 18759:2022, Document management - Trustworthy storage system (TSS) - Functional and technical requirements, $175.00

Natural gas (TC 193)

ISO/TS 2610:2022, Analysis of natural gas - Biomethane - Determination of amines content, $73.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29146:2016/Amd 1:2022, Information technology - Security techniques - A framework for access management - Amendment 1, $20.00

ISO/IEC 15938-17:2022, Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis, $225.00

IEC Standards

Fibre optics (TC 86)

IEC 61753-043-02 Ed. 1.0 b:2022, Fibre optic interconnecting devices and passive components - Performance standard - Part 043-02: Simplex patch-cord style single-mode fibre wavelength selective devices with cylindrical ferrule connectors for category C - Controlled environment, $221.00

Other

IEC SRD 62913-1 Ed. 2.0 en:2022, Generic smart grid requirements - Part 1: Specific application of the use case methodology for defining generic smart grid requirements according to the IEC systems approach, $354.00

Wind turbine generator systems (TC 88)

IEC 61400-12-3 Ed. 1.0 b:2022, Wind energy generation systems - Part 12-3: Power performance - Measurement based site calibration, $310.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 322 – Sustainable finance

Comment Deadline: September 16, 2022

ANSI has been informed that Accredited Standards Committee X9, Inc. Financial Industry Standards (ASC X9), the ANSI-accredited U.S. TAG Administrator for ISO/TC 322 – *Sustainable finance*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 322 operates under the following scope:

Standardization in the field of sustainable finance to integrate sustainability considerations including environmental, social and governance practices in the financing of economic activities.

Note : the TC for sustainable finance will have close cooperation with TC 68 in the field of financial services, TC 207 in the field of environmental management, TC 251 in the field of asset management and TC 309 in the field of governance of organizations.

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 Proposal for a New Field of ISO Technical Activity

Ayush Systems

Comment Deadline: October 14, 2022

BIS, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Ayush Systems, with the following scope statement:

Standardization in the field of Ayush systems including Ayurveda, Yoga, Naturopathy, Unani, Siddha, Sowa rigpa and Homoeopathy. Both traditional and modern aspects of products and services of these systems are covered.

Excluded from its scope are products and services covered by ISO/TC 54 Essential oils, ISO/TC 215 Health Informatics, and ISO/TC 249 Traditional Chinese Medicine.

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, October 14, 2022.

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15.2-2022

First Public Review Draft

Proposed Addendum a to Standard 15-2019, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (September 2022)
(Draft shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD

ANSI/ASHRAE Standard 15.2-2022 has a SF (safety factor) = 2 for ducted HVAC equipment that matches the 4th draft of UL 60335-2-40. However, ductless HVAC equipment still has an SF = 4 that differs from the UL 60335-2-40 draft. And the concept of gravity equation is not introduced. Hence, the allowable refrigerant charge or minimum room area does not align between product safety standard and application safety standard. That will cause confusion in the field and likely misuse of certain HVAC equipment. This proposed addendum to ASHRAE Standard 15.2-2022 corrects the formulas by adding the gravity equation from the 4th Edition of UL 60335-2-40, which will help inspectors, AHJs, and installers in the installation and approvals of the installed systems.

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 15.2-2022

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. REFRIGERANT CHARGE LIMITS

[…]

9.5.1 For A2L *refrigeration systems* without *ventilation*,

$$m_{max} = C \times M \text{ ~~× AF~~}$$

where:

C = *LFL* conversion factor as given in Table 9-2

M = allowable *refrigerant* amount ~~allowed~~ in a *dispersal volume* ~~based on 25% *LFL*~~, as given in Table 9-3 in lb_m (kg)

~~AF = 2 for systems with continuous *circulation* or *circulation* initiated by the *refrigerant detection system*~~
~~1 for all other systems~~

9.5.2 For A2L *refrigeration systems* with *ventilation*:

$$m_{max} = C \times (M + \text{MV}) \text{ ~~× AF~~}$$

where:

C = *LFL* conversion factor as given in Table 9-2

M = allowable *refrigerant* amount ~~allowed~~ in a *dispersal volume* ~~based on 25% *LFL*~~, as given in Table 9-3 in lb_m (kg)

MV = additional *refrigerant* mass allowed in a *dispersal volume* based on dilution using *ventilation* as given in Table 9-4 in lb_m (kg)

~~AF = 2 for systems with continuous *circulation* or *circulation* initiated by the *refrigerant detection system*~~
~~1 for all other systems~~

[…]

9.6.3 *Releasable Refrigerant Charge* for Systems Using *Safety Shut-Off Valves* with A2L *Refrigerants*. The *releasable refrigerant charge* (m_{rel}) *shall* be the *refrigerant* contained in the interconnecting *tubing* and *indoor section* located downstream of the *safety shut-off valves* and *shall* be the largest value determined by Sections 9.6.3.1, 9.6.3.2, and 9.6.3.3. The *releasable refrigerant charge* (m_{rel}) *shall not* exceed the *maximum refrigerant charge* (m_{max}), as determined by Section 9.5. In the case of m_{rel} is not evaluated per Sections 9.6.3.1 through 9.6.3.3, refer to product *listing* for certified *releasable refrigerant charge*.

[…]

Note to Reviewers: Existing Tables 9-3 and 9-4 are replaced in their entirety by the new Tables 9-3 and 9-4 as follow.

Table 9-3 *M* for A2L Systems Based on 7.2 ft (2.2 m) Dispersal Height[a]

Area[b]		*M*[c]			
		With *Circulation*		Without *Circulation*	
ft^2	m^2	lb_m	kg	lb_m	kg
100	9.3	6.9	3.1	6.9	3.1
125	11.6	8.6	3.9	8.6	3.9
150	13.9	10.3	4.7	10.3	4.7
175	16.3	12.1	5.5	11.1	5.0
200	18.6	13.8	6.3	11.9	5.4
225	20.9	15.5	7.0	12.6	5.7
250	23.2	17.2	7.8	13.3	6.0
275	25.5	18.9	8.6	13.9	6.3
300	27.9	20.7	9.4	14.6	6.6
325	30.2	22.4	10.2	15.2	6.9
350	32.5	24.1	10.9	15.7	7.1
375	34.8	25.8	11.7	16.3	7.4
400	37.2	27.6	12.5	16.8	7.6
425	39.5	29.3	13.3	17.3	7.9
450	41.8	31.0	14.1	17.8	8.1
475	44.1	32.7	14.9	18.3	8.3
500	46.5	34.4	15.6	18.8	8.5
525	48.8	35.1	15.9	19.3	8.7
550	51.1	35.1	15.9	19.7	8.9
575	53.4	35.1	15.9	20.2	9.1
600	55.7	35.1	15.9	20.6	9.3
625	58.1	35.1	15.9	21.0	9.5
650	60.4	35.1	15.9	21.4	9.7
675	62.7	35.1	15.9	21.8	9.9
700	65.0	35.1	15.9	22.2	10.1
725	67.4	35.1	15.9	22.6	10.3
750	69.7	35.1	15.9	23.0	10.4

Table 9-3 *M* for A2L Systems Based on 7.2 ft (2.2 m) Dispersal Height[a]

Area[b]		*M*[c]			
		With *Circulation*		Without *Circulation*	
ft^2	m^2	lb_m	kg	lb_m	kg
775	72.0	35.1	15.9	23.4	10.6
800	74.3	35.1	15.9	23.8	10.8
825	76.6	35.1	15.9	24.1	11.0
850	79.0	35.1	15.9	24.5	11.1
875	81.3	35.1	15.9	24.9	11.3
900	83.6	35.1	15.9	25.2	11.4
925	85.9	35.1	15.9	25.6	11.6
950	88.3	35.1	15.9	25.9	11.8
975	90.6	35.1	15.9	26.2	11.9
1000	92.9	35.1	15.9	26.6	12.1
1025	95.2	35.1	15.9	26.9	12.2

a. For dispersal heights (h) other than 7.2 ft (2.2 m), not less than 2.0 ft (0.6 m), and not greater than 9.0 ft (2.7 m), multiply the charge quantities in this table by a correction factor of h_c, where $h_c = h/7.2$ ft (2.2 m).

b. Dispersal areas *shall* comply with Section 9.4.

c. For area sizes falling in between the values listed in this table, interpolation *shall* be permitted to determine precise charges. Otherwise, the closest lower area value *shall* be used.

Table 9-4 Additional Charge Permitted for A2L Systems Using *Ventilation*

Ventilation Rate		MV[a]			
		With *Circulation*		Without *Circulation*	
cfm	m^3/h	lb_m	kg	lb_m	kg
20	34	0.8	0.4	0.4	0.2
40	68	1.4	0.6	0.7	0.3
60	102	2.2	1.0	1.1	0.5
80	136	2.8	1.2	1.4	0.6
100	170	3.6	1.6	1.8	0.8
120	204	4.2	2.0	2.1	1.0
140	238	5.0	2.2	2.5	1.1
160	272	5.6	2.6	2.8	1.3
180	306	6.4	2.8	3.2	1.4
200	340	7.0	3.2	3.5	1.6
220	374	8.4	3.8	4.2	1.9
240	408	9.2	4.2	4.6	2.1
260	442	10.0	4.6	5.0	2.3
280	476	10.8	4.8	5.4	2.4
300	510	11.6	5.2	5.8	2.6
320	544	12.4	5.6	6.2	2.8
340	578	13.0	6.0	6.5	3.0
360	612	13.8	6.2	6.9	3.1
380	646	14.6	6.6	7.3	3.3
≥400	≥680	15.4	7.0	7.7	3.5

a. For *ventilation* rates falling between the values listed in this table, interpolation *shall* be permitted to determine the precise increase in charge. Otherwise, the closest lower *ventilation* rate value *shall* be used.

[…]

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

(This appendix 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.)

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

This informative appendix is not part of the standard. It provides explanatory information related to provisions in the standard. Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number, and the associated appendix information is located in a corresponding section number preceded by "A".

[…]

Section 9.5

The *refrigerant* allowed in a *dispersal volume*, *M*, in a single *refrigeration system* using an A2L *refrigerant* in Tables 9-3 and Table 9-4 is calculated using Equation A-3 or A-4 for *refrigeration systems* with *circulation*, and Equation A-5 or A-6 for *refrigeration systems* without *circulation*.

$$M = \text{~~SF ×~~}\ LFL \times h \times \text{Area}/\text{SF} \qquad \text{(A-3)}$$

$$\text{Area} = \frac{M \times \text{SF}}{\text{~~SF ×~~}\ LFL \times h} \qquad \text{(A-4)}$$

where:

SF = safety factor; default value, 2~~4~~
h = dispersal ~~*space*~~ height, 7.2~~9.0~~ ft (2.2~~2.74~~ m)

$$M = 2.5 \times (LFL)^{(5/4)} \times h \times (\text{Area})^{(1/2)}\text{, not to exceed Equation A-3} \qquad \text{(A-5)}$$

$$\text{Area} = (M/(2.5 \times (LFL)^{(5/4)} \times h))^2\text{, not less than Equation A-4} \qquad \text{(A-6)}$$

In the case where *ventilation* is present, the additional allowable charge in Table 9-4 is calculated using Equation A-7~~A-5~~ or A-8~~A-6~~.

$$\text{MV} = \frac{Q \times 4 \times LFL}{\text{SF} \times 60} \qquad \text{(A-7~~A-5~~)}$$

$$Q = \frac{\text{MV} \times \text{SF} \times 60}{4 \times \text{LFL}} \qquad \text{(A-8~~A-6~~)}$$

where:

Q = mechanical *ventilation* airflow, m^3/h
SF = safety factor; a value of 2 for systems with *circulation* and a value of 4 for systems without *circulation* ~~default value, 4~~
60 = conversion factor from minutes to hours
4 = assumed leak time (4 minutes)

[…]

Note to Reviewers: Subsequent Equations A-7 through A-11 are renumbered accordingly.

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 15.2-2022

First Public Review Draft

Proposed Addendum b to Standard 15-2019, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (September 2022)
(Draft shows Proposed Changes to Current Standard)

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

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

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

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

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

FOREWORD

The proposed addendum revises ANSI/ASHRAE Standard 15.2 to better align with ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems*, and UL 60335-2-40*, Household and Similar Electrical Appliances—Safety — Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers*, by*

- *Revising the definition of the term "integral" to allow the installation of refrigerant detectors at the time of system installation, as allowed by UL 60335-2-40*
- *Modifying Section 5.3.2, "Mitigation Action Requirements," to incorporate the requirements of UL 1996,* Electric Duct Heaters, *for electric heaters installed in the ductwork and allowing electric heaters that are part of the indoor unit to be controlled per UL 60335-2-40.*
- *Adding an exception to the RCL calculation requirement in Section 9.2, "Maximum Allowable Refrigerant Charge for A1 Refrigerants," for systems using an A1 refrigerant with a system refrigerant charge less than 6.6 lb (3 kg) that are listed and installed in accordance with the manufacturer's installation instructions. Figure 9-1, "Charge Limit Compliance Flow Path," is also updated to reflect this exception.*
- *Revising Section 12.1.1, "Add-On Heat Pumps," to replace the word "sensor" with "detector" to align with the terminology used throughout the rest of the standard.*

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 15.2-2022

Modify Section 4 as follows. The remainder of Section 4 remains unchanged.

4. DEFINITIONS

4.1 Defined Terms

[…]

integral: as installed by the *manufacturer* or installed in accordance with the *manufacturer's installation instructions*.~~mounted within or mounted directly to an *equipment* housing and treated as part of the *equipment*.~~

Modify Section 5 as follows. The remainder of Section 5 remains unchanged.

5. GENERAL REQUIREMENTS

[…]

5.3.2 *Mitigation Action* Requirements. …

[…]

d. De-energize ~~*integral* electric resistance heat or~~ electric *duct* heaters ~~resistance heat~~ installed in the *ductwork* connected to the *refrigeration system*.

Exception to 5.3.2(d): De-energization of *duct* heaters is not required when both of the following are met:

1. The *duct* heater cannot be energized if the indoor fan is detected to not be in operation, and
2. Airflow through the *duct* heater is greater than 200 fpm (1.02 m/s).

[…]

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. REFRIGERANT CHARGE LIMITS

[…]

9.2 ***Maximum*** **Allowable** ***Refrigerant Charge*** **for A1** ***Refrigerants.*** …

Exception to 9.2: *Listed equipment* containing not more than 6.6 lb (3 kg) of an A1 *refrigerant* is exempt from the requirements of Section 9.2, provided that the *equipment* is installed in accordance with the listing and the *manufacturer's installation instructions*.

[…]

Note to Reviewers: Existing Figure 9-1 is deleted and replaced in its entirety by the new Figure 9-1 as follows.

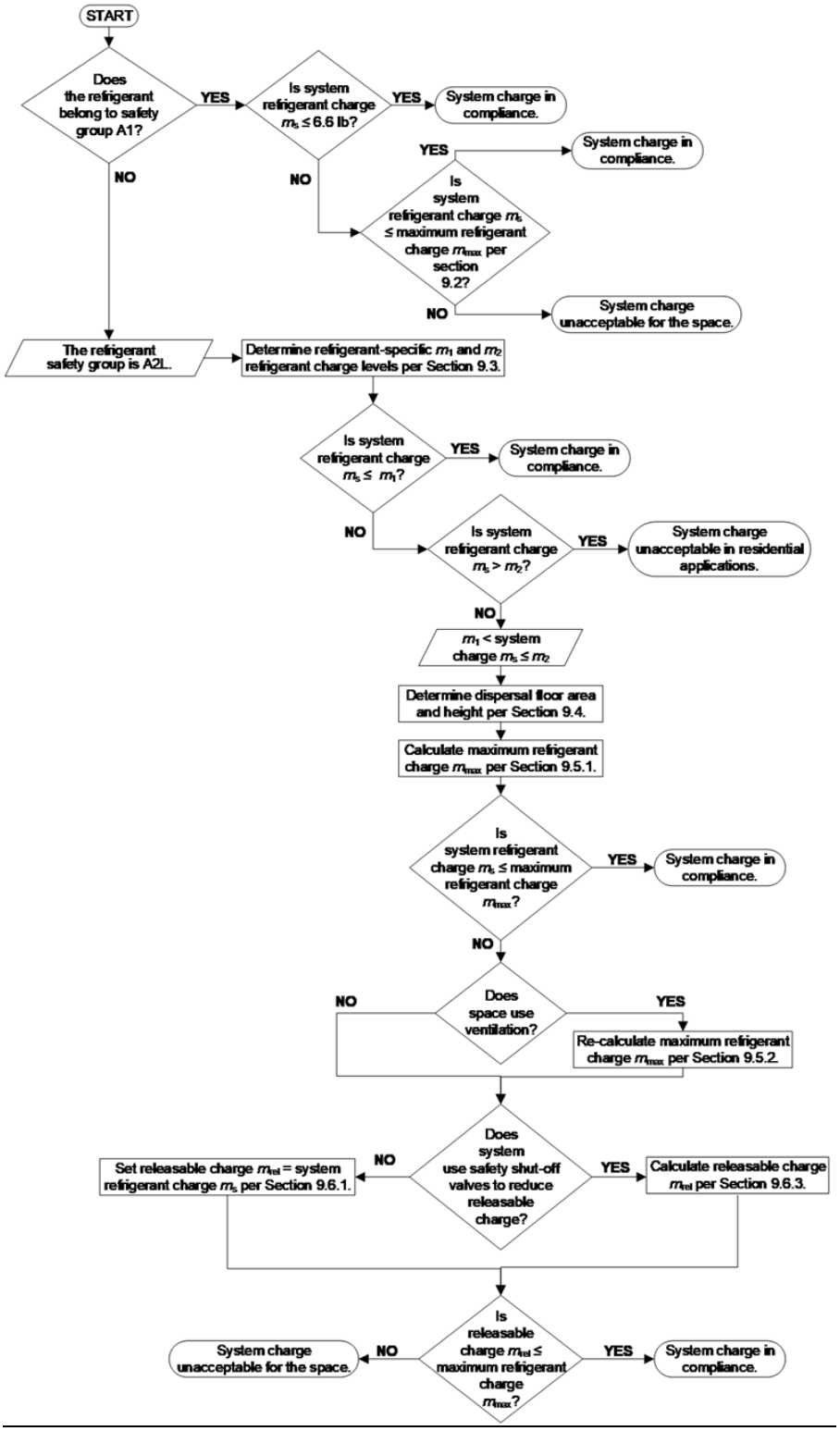

Figure 9-1 Charge Limit Compliance Flow Path

[…]

Modify Section 12 as follows. The remainder of Section 12 remains unchanged.

12. ADD-ON HEAT PUMPS

[…]

12.1.1 The *refrigerant detector*(*s*) ~~*sensor*~~ of the *refrigerant detection system shall* be an *integral* part of the indoor coil assembly.

IIAR 1 Public Review #2 Draft

Definitions and Terminology Used in IIAR Standards

IIAR 1 Public Review #2 shows Substantive Changes (and enough material for understanding) resulting from Public Review #1 Comments.

Originating Public Review #1 Commenters have confirmed that they are "Resolved" with these Substantive Changes.

Only striked-through (removals) or underlined (additions) can be commented on.

CHAPTER 1: PURPOSE

This Standard provides a unified set of definitions for use in the IIAR Standards. A set of common definitions is provided to give clarity to engineers, contractors, end users, and authorities having jurisdiction (AHJ).

CHAPTER 3: DEFINITIONS

alarm message: A machine-to-person ~~communication~~ notification that is important or time sensitive.

ammonia (R-717): Refrigerant-grade anhydrous ammonia.

combustible material: ~~A substance when ignited, will burn or will add appreciable heat to an ambient fire.~~ A material that, under the conditions anticipated, will ignite or burn when subjected to fire or heat. Reference: ASTM-E136 Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 deg C.

compressor: A ~~specific~~ machine for raising the pressure of refrigerant vapor.

direct system: A system in which ~~air or other substances are heated and cooled with an evaporator or condenser that is in direct contact with the air or other substances.~~ the evaporator or condenser of the refrigeration system is in direct contact with the air or other substances to be cooled or heated.

~~**downstream**~~ **outlet pressure regulator:** A control valve that regulates the downstream pressure by controlling the flow of oil or refrigerant through the device and is actuated toward open by a pressure falling below regulator set point downstream of the valve. Also known as a downstream pressure regulator.

evaporator: That part of a closed-circuit refrigeration system designed to absorb heat by vaporizing liquid refrigerant.

- **plate type evaporator:** An evaporator that uses heat transfer surfaces, known as plates, in lieu of evaporator coils. The refrigerant is contained between paired plates that are welded or brazed together or elastomerically sealed. The plates can be ~~used individually or~~ placed into heat exchanger shells, known as plate-and-shell, or stacked between two pressure end-plates, known as plate-and-frame.

~~**evaporator**~~ **inlet pressure regulator:** A control valve that regulates evaporator pressure by controlling the flow of refrigerant from an evaporator section and is actuated toward open by a pressure above set point upstream of the valve. Also known as a back pressure regulator.

float switch: A device incorporating a ~~buoyancy component~~ buoyant element that responds to a changing liquid level to mechanically actuate an electrical switch.

highside: Those parts of a closed-circuit refrigeration system subjected to ~~approximate condenser pressure.~~ a pressure approximately equal to the condenser pressure.

low-probability pump: 1. A pump that is permanently sealed to prevent atmospheric release of the pumped fluid (e.g., hermetic, canned), 2. A pump that incorporates a static seal to prevent atmospheric release of the pumped fluid, or 3. A pump that incorporates not less than two sequential dynamic shaft seals and automatically shuts down upon failure of any seal to prevent atmospheric release of the pumped fluid.

lowside: ~~The~~ Those parts of a closed-circuit refrigeration system subjected to ~~approximate~~ a pressure approximately equal to the evaporator pressure.

mechanical actuating float: ~~Buoyancy component~~ A buoyant element that responds to a changing liquid level to mechanically modulate a valve element controlling fluid flow.

pressure test: A test where test pressure is applied to the pressure-containing envelope of the ammonia containing equipment or system.

- **leak test:** A pneumatic test performed ~~at~~ on the ammonia containing equipment or system's design pressure to verify tightness.

risk ranking: Risk ranking is a method which uses the likelihood and severity of a scenario to determine if there is an acceptable level of risk for that scenario. The likelihood is a ~~semi-quantitative~~ qualitative ranking of the probability of the scenario occurring. The severity is a ~~semi-quantitative~~ qualitative ranking of the worst consequence associated with that scenario.

saturation ~~temperature~~: The pressure and corresponding temperature at which vapor and liquid can exist in equilibrium at a given pressure.

~~**shall (shall not):** A term used where the provision is mandatory.~~ **shall:** Where "shall" or "shall not" is used for a provision specified, that provision is intended to be mandatory.

strainer: A pressure-containing component through which refrigerant flows for the purpose of separating particulates ~~matter~~ from the flow stream.

supplier: The individual or organization from whom ~~title for~~ ownership of equipment or material passes to the purchaser.

tight construction: ~~Solid c~~Construction with holes or openings that are either sealed or provided with tight-fitting doors to control the transfer of liquid, moisture, air and vapor.

Tracking number 42i122r1 et al **Revision to NSF/ANSI 42-2021**
 Issue 122 Revision 1 (August 2022)
Multiple revisions to 42i122r1, 53i144r1, 58i101r1, and 401i28r1

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

NSF/ANSI Standard 42
for Drinking Water Treatment Units

Drinking Water Treatment Units – Aesthetic Effects

⋮

8 Instruction and information

8.1 Installation, operation, and maintenance instruction

8.1.1 Information setting forth complete, detailed instructions for installation, operation, and maintenance shall be provided with each system. Specific information shall include:

⋮

Where applicable and appropriate, the following information shall also be included:

— model number of replacement components;

— rated capacity / rated service life in liters (gallons):

— each unique model designation shall claim a capacity no greater than the least reduction capacity that has been verified through testing to NSF/ANSI 42, NSF/ANSI 53, NSF/ANSI 401, or NSF/ANSI 58 section for VOC reduction; and

— nominal particulate reduction (85%) systems shall not claim a rated capacity due to the broad variation in the quantity of particulate matter found in drinking water.

— minimum working pressure in kPa (psig);

⋮

NSF/ANSI Standard 53
for Drinking Water Treatment Units

Drinking Water Treatment Units — Health Effects

⋮

8 Instruction and information

8.1 Installation, operation, and maintenance instructions

⋮

8.1.2 Where applicable and appropriate, the following information shall also be included:

— model number(s) of replacement components;

— rated capacity / rated service life in liters (gallons):

— each unique model designation shall claim a capacity no greater than the least reduction capacity that has been verified through testing to NSF/ANSI 42, NSF/ANSI 53, NSF/ANSI 401, or NSF/ANSI 58 section for VOC reduction.

— minimum working pressure in kPa (psig);

— minimum operating temperature in °C (°F);

⋮

NSF/ANSI Standard 58
for Drinking Water Treatment Units

Reverse Osmosis Drinking Water Treatment Systems

⋮

7 Elective performance claims – Test methods

7.1 Chemical reduction claims

7.1.1 Volatile organic chemical (VOC) reduction claims

Systems with carbon filters downstream of the permeate storage tank shall be tested in accordance with NSF/ANSI 53. VOC reduction for nonintegral carbon filters downstream of the RO membrane shall be tested in accordance with Section 7.1.1.1 or 7.1.1.2. Each unique model designation shall claim a capacity no greater than the least reduction capacity that has been verified through testing to NSF/ANSI 42, NSF/ANSI 53, NSF/ANSI 401, or NSF/ANSI 58 section for VOC reduction.

⋮

NSF/ANSI Standard 401
for Drinking Water Treatment Units –

Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants

⋮

8 Instruction and information

⋮

8.3.2 Where applicable, the following information shall also be stated:

— rated capacity / rated service life in liters (gallons). Each unique model designation shall not claim a capacity or service life greater than the least reduction capacity or service life that has been verified through testing to NSF/ANSI 42, NSF/ANSI 53, NSF/ANSI 401, or NSF/ANSI 58 section for VOC reduction.

— operating or exchange steps;

⋮

Rationale: Adds NSF/ANSI 401 to reduction capacity statements in NSF/ANSI 42, 53, and 58; and makes language in NSF/ANSI 401 consistent.

Tracking #46i41r1

Revision to NSF/ANSI 46-2021
Issue 41, Revision 1 (August 2022)

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

NSF/ANSI Standard
for Wastewater Technology –

Evaluation of Components and Devices Used in Wastewater Treatment Systems

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11 Chlorination devices

11.1 Scope

This section establishes the requirements for chlorinators used to disperse controlled amounts of chlorine into the effluent of secondary treated residential wastewater. It is intended for devices that deliver chlorine in the absence of a contact chamber (hereafter referred to as chlorine dispensers) and for devices that deliver chlorine and provide a contact chamber for demonstrating fecal coliform reduction (hereafter referred to as a chlorine disinfection device). The rated capacities for both chlorine dispensers and for chlorine disinfection devices shall be between 757 L/d (200 gal/d) and 5,678 L/d (1,500 gal/d).

Chlorine products may also be evaluated to the requirements of this Standard. The chlorine product manufacturer shall specify and provide a chlorination device for the purpose of the evaluation. The results of the evaluation may be applied to chlorination devices that have also been evaluated to the requirements of this Standard, allowing use of the alternate chlorine product in the absence of additional testing of the chlorination device. The chlorination device shall be similar in design, construction, and materials, and equivalent in the dimension of the chlorine product reservoir, to the chlorination device used for the evaluation of the alternate chlorine product.

All chlorine products used in the evaluation of chlorination devices shall be acceptable for wastewater applications.

The evaluation of chlorine disinfection devices shall be performed in accordance with NSF/ANSI 385, *Disinfection Mechanics*.

The intent of the Joint Committee is for chlorine disinfection devices that were previously part of the scope of NSF/ANSI 46 - *Evaluation of Components and Devices Used in Wastewater Treatment Systems* to now be addressed in the scope of NSF/ANSI 385 – *Disinfection Mechanics.*

> NOTE — The procedures for evaluation of chlorine disinfection devices ~~were~~ will be removed from NSF/ANSI 46 and reestablished in NSF/ANSI 385. The chlorine disinfection device evaluation language is due to be retired from NSF/ANSI 46 ~~three~~ five years after the adoption of NSF/ANSI 385 (February 202~~3~~5).

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12 Ultraviolet (UV) disinfection devices

12.1 Scope

This section establishes requirements for UV devices used to irradiate and disinfect secondary treated residential wastewater to less than 200 fecal coliform organisms per 100 mL. It is intended for devices that deliver UV light radiation to secondary treated wastewater from small sources such as individual homes or similar capacity commercial sources and provide an exposure chamber for fecal coliform reduction (hereafter referred to as UV disinfection devices). The rated capacities for UV disinfection devices considered in this section shall be between 1,514 L/d (400 gal/d) and 5,678 L/d (1,500 gal/d).

The evaluation of UV devices shall be performed in accordance with NSF/ANSI 385, *Disinfection Mechanics*.

The intent of the Joint Committee is for UV disinfection devices that were previously part of the scope of NSF/ANSI 46 - *Evaluation of Components and Devices Used in Wastewater Treatment Systems* to now be addressed in the scope of NSF/ANSI 385 – *Disinfection Mechanics.*

NOTE — The procedures for evaluation of UV disinfection devices ~~were~~ will be removed from NSF/ANSI 46 and reestablished in NSF/ANSI 385. The UV disinfection device evaluation language is due to be retired from NSF/ANSI 46 ~~three~~ five years after the adoption of NSF/ANSI 385 (February 202~~3~~5).

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13 Ozone generation devices

13.1 Scope

This section establishes the requirements for ozonation systems used to diffuse controlled amounts of ozone into the effluent of secondary treated residential wastewater. It is intended for devices that deliver ozone into a contact chamber for demonstrating fecal coliform reduction (hereafter referred to as an ozonating system). The rated capacities for ozonating systems shall be between 757 L/d (200 gal/d) and 5,678 L/d (1,500 gal/d).

The evaluation of ozone generation devices shall be performed in accordance with NSF/ANSI 385, *Disinfection Mechanics*.

The intent of the Joint Committee is for ozone generation devices that were previously part of the scope of NSF/ANSI 46 - *Evaluation of Components and Devices Used in Wastewater Treatment Systems* to now be addressed in the scope of NSF/ANSI 385 – *Disinfection Mechanics.*

NOTE — The procedures for evaluation of ozone generation devices ~~were~~ will be removed from NSF/ANSI 46 and reestablished in NSF/ANSI 385. The ozone generation device evaluation language is due to be retired from NSF/ANSI 46 ~~three~~ five years after the adoption of NSF/ANSI 385 (February 202~~3~~5).

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

NSF/ANSI Standard
for Wastewater Technology –

Disinfection Mechanics

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1 General

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1.4 Influent water characteristics

Test data collected on days when the influent water pH and temperature are out of compliance with this Section shall be excluded from the results. Any results from days where $CBOD_5$, TSS, fecal coliform, *Escherichia coli*, or ammonia influent concentration is less than shown in the table below, shall be excluded. Any results from days where UV transmittance is greater than 75% shall be excluded. The certifier shall report results obtained when other influent concentrations exceed the maximum values in the table below for the influent water. Influent water for the biological deactivation testing shall be secondary treated residential wastewater meeting the criteria as shown in Table 1.1

At the manufacturer's discretion, any data collected on days when the influent $CBOD_5$, TSS, fecal coliform, *E. coli*, or ammonia concentrations exceed the maximum limits set in Table 1.4, may be replaced with data collected from additional sample days for the purpose of determining pass or fail. At the manufacturer's discretion, any data collected on days when the influent UV transmittance is less than 50%, may be replaced with data collected from additional sample days for the purpose of determining pass or fail.

Table 1.1
Influent characteristics

$CBOD_5$	≥ 10 and ≤ 25 mg/L
TSS	≥ 10 and ≤ 30 mg/L
E. coli	10^2 to 10^6 cfu/100 mL
fecal coliform	10^4 to 10^8 organisms per 100 mL
pH	6.0 to 9.0
temperature	6 °C to 30 °C (42 °F to 86 °F)
ammonia	≥ 2.0 and ≤ 4.0 mg/L
UV transmittance of influent	50 to 75% per cm

UV transmittance values in Table 1.1 are for traditional aerobic treatment units.

Influent parameters in Table 1.1 shall be measured every time an effluent sample is collected, and corresponding values reported. Ammonia need not be tested for UV technologies and UV transmittance of influent need not be tested for any technology except UV. If the manufacturer is testing for only *E. coli* or fecal coliform as allowed in Section 1.5, then the influent *E. coli* or fecal coliform not required in the effluent monitoring need not be collected.

Temperature, pH, influent fecal coliform, and *E. coli* shall be based on grab samples collected. Influent water characteristics for all other parameters shall be based on 24-h composite samples collected. During maximum and, if required, minimum flow testing, the influent samples shall be collected during the time while dosing is active.

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7.6.1.4 Optional testing for lower transmittance

There are certain treatment technologies that use organic or natural media (peat, coconut, etc.) as part of the treatment process which affect the UV transmittance. In order to demonstrate that a UV technology can provide disinfection after such technologies, an optional stress test may be performed at the end of the sampling as noted in Section 7.6.1.3. For this optional stress test the UV transmittance shall be adjusted from the range shown in Table 1.1 to a range of 40 to 55 % per cm transmittance.

This optional stress test will have a duration of one week at the end of testing according to Section 7.6.1.3 and will include two grab samples of effluent from the UV system. The influent and effluent grab samples shall be collected on day 3 and day 7 of the stress test. Results of this optional stress test shall be included in the final report, but the sample results shall not be included in the pass/fail criteria of Section 1.5.

7.6.2.4.1 UV absorbent

UV absorbent shall be added to the influent to reach the lower transmittance levels in 7.6.1.4. The UV absorbent shall be comprised of either:

— vanillin (CAS# 121-33-5) and SuperHume (or equivalent). The vanillin and SuperHume shall be combined while maintaining a ratio of 1.0 mg of vanillin to 0.02 mL SuperHume; or

— sodium thiosulfate. The sodium thiosulfate shall be dissolved in deionized water prior to addition to the test water.

These compounds shall be diluted as needed prior to addition to the test water with deionized water.

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Informative Annex 3

Organic or natural media and ultraviolet light

The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

Certain organic or natural media (peat, coconut etc.), demonstrate microbial antagonism toward enteric microorganisms. This simply means that the stressed microorganisms within the wastewater are outcompeted by the indigenous microflora. The low pH and production of certain microbial toxins within the media adversely affects the enteric organisms and as such they are largely ineffective in assimilating nutrients along with other factors which are necessary for their survival. The result is increased log reductions of enteric microorganisms as compared to other treatment processes. This is significant when ultraviolet (UV) disinfection is post natural media treatment. The natural media filter effluent may sometimes have a slight brown-yellow color due to varying concentrations of naturally occurring organic compounds (humic and fulvic acids; tannins) which are occasionally leached out of the media.

Tracking number 455-2i35r1
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Revision to NSF/ANSI 455-2-2021
Issue 35, Revision 1 (August 2022)

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

NSF/ANSI Standard
for Health Sciences –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.2 Leadership

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4.2.5 QC operations and responsibilities shall include the authority to reject any component, packaging, label or product if any specification is not met. [21 CFR § 111.77 ~~111.113(a)~~]

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Standard: UL 2523
Standard Title: Standard for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters, And Boilers

Date of Proposal: September 2, 2022
Ballots & Comments Due: October 3, 2022

SUMMARY OF TOPICS

The following changes in requirements are being proposed for your review:

1. In Clause 51.2.1, change "554.0 ±55.4 kg/mm3" to "554.0 ±55.4 kg/m3"

Need access to the full standard or a standard this proposal references? Click here to learn more about accessing UL and ULC Standards. STP and TC Members can find the latest copy of the standard under their My STPs or My Committees tab in CSDS.

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

1. In Clause 51.2.1, change "554.0 ±55.4 kg/mm3" to "554.0 ±55.4 kg/m3"

RATIONALE

Proposal submitted by: Dave Mercier, UL Solutions

There is an error in the conversion of the required density of the wood used in the firebrand for testing. The proper conversion, based on three significant figures, is 1 lb./in3 = 27,700 kg/m3. Using this conversion factor, 0.020±0.002 pounds per cubic inch is 554.0 ±55.4 kg/m3 and not 554.0 ±55.4 kg/mm3. Also, an "s" needs to be added in "pounds per cubic inch".

PROPOSAL

51.2.1 A firebrand is to be prepared in strips as illustrated in Figure 51.1 from dry (moisture content of 19 percent or less) strips of Douglas fir, birch, maple, or oak. Each strip is to be 3/4 by 3/4 inch (19.1 by 19.1 mm) in cross section and weigh 0.020 ±0.002 pounds per cubic inch (554.0 ±55.4 kg/~~m~~m3). The strips are to be placed 1 inch (25.4 mm) apart, on centers providing a 1/4 inch (6.35 mm) space between strips. The brands are to be conditioned in an oven at 105 - 150°F (40.5 - 66°C) for at least 16 hours prior to being burned, and the conditioned brands are to be used within 3 hours of removal from the oven.