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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: May 3, 2020

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

Addenda

BSR/ASHRAE Addendum 62.1b-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

The current definition of re-circulated air as well as Figure 3-1 (Ventilation System) are not clear on how to define air that is re-circulated inside a space without leaving it as air handled by units inside the space (e.g., chilled beams, fan coil units, ceiling fans). This proposed addendum clarifies this by removing the requirement that re-circulated air must leave the space and by updating Figure 3-1 to include air conditioning units that are inside the space.

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

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

BSR/ASHRAE Addendum 62.1c-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

The definition for unusual source is unclear in distinguishing whether “rarely” refers to a source that is intermittent or transient within a space or if it is meant in the sense of commonality as in an object that would not be commonly found within in a space regardless of the duration of its presence. This proposed addendum seeks to bring clarity to what the committee considers as an unusual source. The new definition makes clear that the unusual nature of a source has to do with its relationship to common items and activities within the space.

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

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

BSR/ASHRAE Addendum b to BSR/ASHRAE Standard 188-202x, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2018)

This addendum addresses the definitions section of Standard 188-2018. The process of developing Guideline 12 by SSPC 188 for use with Standard 188 identified several definition changes or additions that were needed to keep the two documents consistent with one another.

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

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

BSR/ASHRAE Addendum c to BSR/ASHRAE Standard 188-202x, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2018)

This addendum deals primarily with changes to Standard 188-2018 that were identified during the process by SSPC 188 of developing Guideline 12 to be used with Standard 188. The changes include clarifying language and maintaining consistency between the two documents.

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

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

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

This addendum adds the zeotropic refrigerant blend R-471A to Tables 4-2 and D-2.

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

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

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

This addendum provides additional flexibility in designating refrigerants, to avoid potential confusion with other refrigerant designating bodies.

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

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

NSF (NSF International)

Revision

BSR/NSF/CAN 50-202x (i141r3), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

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

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

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

BSR/NSF/CAN 60-202x (i86r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

BSR/NSF/CAN 60-202x (i87r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

BSR/NSF/CAN 61-202x (i156r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2019)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 817-2015 (R202x), Standard for Safety for Cord Sets and Power-Supply Cords (reaffirmation of ANSI/UL 817-2015)

(1) Addition of Integral Latching Mechanisms on Cord Connectors, Revised 5.9, 8.7, 8.7.2, 9.11.3, 19B, 19B.2.2, 19B.2.3, 19B.3.1, 19B.3.2, 20.8; Tables 19B.1 and 19B.2; New 5.8A and 8.7.3.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-202x, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2018)

(1) Proposal for alternate test specimen size at thickness below 0.4 mm for vertical burn test; (2) Revision of Paragraph 7.1.3 for testing thicknesses less than 3.0 mm.

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

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

BSR/UL 101-202x, Standard for Safety for Leakage Current for Appliances (revision of ANSI/UL 101-2019)

This proposal for UL 101 covers: (1) Proposed revision to the scope to specify that the standard applies to household utilization equipment only.

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

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

BSR/UL 746A-202x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2019)

This proposal for UL 746A covers: (1) Inclusion of glow-wire test (GWIT) into Section 9.9 for polymer variation evaluation.

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

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

Comment Deadline: May 18, 2020

ABYC (American Boat and Yacht Council)

New Standard

BSR/ABYC S-33-202x, On-Water Engine Emissions Testing (new standard)

This industry conformity standard establishes methods for the collection of on-water exhaust emissions from 2013 and later marine spark ignition (SI) propulsion engines.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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

AIAA (American Institute of Aeronautics and Astronautics)

New Standard

BSR/AIAA S-153-202x, Human Spaceflight: Spacecraft Architecture and Systems Engineering Ontology (new standard)

This is a first-level standard in a set of three-level standard documents regarding human spaceflight vessels for short- or long-duration human spaceflight and related ground systems, describing systems architecture, systems engineering, human-system integration requirements and constraints in holistic manner, considering a complex context of human presence in space. This standard defines the above through process categories and flight purpose regarding public, academic, research, industrial, or government use. This 1st-level standard defines an HSF ontology based on the vessel lifetime and creation process within specific application category and provides organizational guidance for effective vessel architecture development.

Single copy price: \$44.95

Obtain an electronic copy from: hillaryw@aiaa.org

Order from: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

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

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

BSR ASA S2.21-1998 (R202x), Method for Preparation of a Standard Material for Dynamic Mechanical Measurements (reaffirmation of ANSI ASA S2.21-1998 (R2017))

This Standard applies to the preparation of a standard material for calibration of instruments for measuring the dynamic mechanical properties of viscoelastic materials. The purpose of this Standard is to assist users of dynamic mechanical test equipment in preparing the standard material from its basic components.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR ASA S2.22-1998 (R202x), Resonance Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI ASA S2.22-1998 (R2017))

This Standard defines a procedure for measurement and analysis of the dynamic properties of viscoelastic materials using a resonance method. The Standard applies to materials used in sound and vibration damping systems operating at frequencies from a fraction of a hertz to about 20 kHz. The purpose of this Standard is to assist users of this method in setting up the measurement equipment, performing the measurements, and analyzing the resultant data. A further purpose is to promote uniformity in the use of this method.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR ASA S2.23-1998 (R202x), Single Cantilever Beam Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI ASA S2.23-1998 (R2017))

This Standard defines a procedure for measurement and analysis of the dynamic properties of viscoelastic materials using the single cantilever beam method. The Standard applies to materials used in sound and vibration damping systems operating at frequencies from a fraction of a hertz to about 20 kHz. The purpose of this Standard is to assist users of this method in setting up the measurement equipment, performing the measurements, and analyzing the resultant data. A further purpose is to promote uniformity in the use of this method.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR ASA S2.75-2017/Part 1 (R202x), Shaft Alignment Methodology, Part 1: General Principles, Methods, Practices, and Tolerances (reaffirmation of ANSI ASA S2.75-2017/Part 1)

This Standard is the application of alignment concepts concerning relative positions of rotating shafts connected by mechanical means. It contains specific tolerances, factors affecting alignment, and an overview of various measurement methods, following the core technical components of Measure, Analyze, Correct, and Document.

Single copy price: \$210.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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BSR/ASA S2.2-1959 (R202x), Methods for the Calibration of Shock and Vibration Pickups (reaffirmation of ANSI/ASA S2.2-1959 (R2016))

Five methods have been selected as standard methods for the calibration of acceleration velocity and displacement pickups. They are described in Section 4 of this standard. It is impracticable to calibrate all pickups by one standard method over the entire frequency and amplitude range of vibrations and shocks to be measured by the pickups. Several methods are accordingly described. Each method is limited to a range of frequency and amplitude, and to the weight of pickup that can be calibrated. The limitations may include, in addition, other variables such as volume of the pickup and temperature of operation.

Single copy price: \$233.80

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.4-1976 (R202x), Method for Specifying the Characteristics of Auxiliary Analog Equipment for Shock and Vibration Measurements (reaffirmation of ANSI/ASA S2.4-1976 (R2014))

This standard applies to the auxiliary equipment used between a shock or vibration transducer and the final indicator, recorder, or signal processor. This document presents a standard format for indicating pertinent characteristics but does not in any respect become a standard on the performance of the equipment.

Single copy price: \$140.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.8-2007 (R202x), Technical Information Used for Resilient Mounting Applications (reaffirmation of ANSI/ASA S2.8-2007 (R2017))

This American National Standard establishes the requirements to promote an appropriate exchange of information regarding the application and selection of isolation for the reduction of vibrations generated by equipment and machines. Therefore, use of this standard can improve communication among engineers, manufacturers, and end-users concerned with vibration isolation.

Single copy price: \$200.20

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.16-1997 (R202x), Vibratory Noise Measurements and Acceptance Requirements for Shipboard Equipment (reaffirmation of ANSI/ASA S2.16-1997 (R2016))

This Standard specifies procedures and instrumentation for the measurement of structure-borne vibratory noise generated by shipboard equipment. Vibratory acceleration acceptance criteria are presented for several types of equipment.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.20-1983 (R202x), Estimating Air Blast Characteristics for Single Point Explosions in Air, with a Guide to Evaluation of Atmospheric Propagation and Effects (reaffirmation of ANSI/ASA S2.20-1983 (R2011))

This standard is intended to provide methods for determining blast-wave characteristics for single-point or spherical explosions, estimating the variations of characteristics caused by the atmospheric medium of propagation, and predicting the expected effects on populations and structures. It applies to chemical or nuclear explosions, of yields ranging from about 1 kg to many megatons, at burst heights to at least 50 km altitude, and to distances where wave pressure amplitudes drop below 1 Pa. The phenomenology is less well defined for many practical explosions of distributed charges or shapes, wholly or partially confined explosions, either underground or underwater. In many cases, however, these effects may be normalized and an equivalent point explosion used for evaluation.

Single copy price: \$200.20

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.24-2001 (R202x), Graphical Presentation of the Complex Modulus of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.24-2001 (R2016))

The mechanical properties of most viscoelastic materials depend on frequency, temperature, and strain amplitude at large strains. This Standard is restricted to small total strain and linear behavior. It does not cover the effects of static pre-strain or of dynamic strain amplitude. The primary purpose of this Standard is to improve communication among the diverse technological fields concerned with vibration damping materials and to establish a standard format for presentation of data.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.25-2004 (R202x), Guide for the Measurement, Reporting, and Evaluation of Hull and Superstructure Vibration in Ships (reaffirmation of ANSI/ASA S2.25-2004 (R2014))

This Standard establishes uniform procedures for acquiring, processing, presenting, and evaluating shipboard vibration data for sea-going merchant ships of all lengths and, where applicable, for inland ships and tugboats. It is applicable to both turbine and diesel-driven ships, with single or multiple shafts, but not to outboard-engine-driven boats nor to air-driven vessels such as air-cushion vehicles.

Single copy price: \$169.40

Obtain an electronic copy from: standards@acousticalsociety.org

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

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BSR/ASA S2.26-2001 (R202x), Vibration Testing Requirements and Acceptance Criteria for Shipboard Equipment (reaffirmation of ANSI/ASA S2.26-2001 (R2016))

This national standard defines vibration test requirements for shipboard equipment and machinery components. The tests are intended to locate resonances of the equipment and impose endurance tests at these frequencies, if any. The frequency range of the tests is 4 Hz to 50 Hz (100 Hz for reciprocating-machinery-mounted equipment).

Single copy price: \$169.40

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.27-2002 (R202x), Guidelines for the Measurement and Evaluation of Vibration of Ship Propulsion Machinery (reaffirmation of ANSI/ASA S2.27-2002 (R2014))

This standard establishes uniform procedures for determining the acceptance of new marine propulsion machinery with respect to vibration of seagoing and inland ships of all lengths, excluding icebreakers.

Single copy price: \$200.20

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.31-1979 (R202x), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 1: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2020))

This document is limited to information which is basic to various types of driving point and transfer mobility, acceleration, and dynamic compliance measurements.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.32-1982 (R202x), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 2: Measurements Using Single-Point Translational Excitation (reaffirmation of ANSI/ASA S2.32-1982 (R2020))

The scope of this standard includes measurement of mobility, acceleration, or dynamic compliance, either as a driving-point measurement or as a transfer measurement. It also applies to the determination of the arithmetic reciprocals of those ratios such as free effective mass. Although excitation is applied at a single point, there is no limit on the number of points at which simultaneous measurements of the motion response may be made. Multiple response measurements are required, for example, for modal analyses.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.34-1984 (R202x), Standard Guide to the Experimental Determination of Rotational Mobility Properties and the Complete Mobility Matrix (reaffirmation of ANSI/ASA S2.34-1984 (R2015))

This guide is limited to the determination of mobility properties of structures derived from the complex amplitudes of translational and rotational responses and the complex amplitudes of excitation forces and moments within the audio frequency range.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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BSR/ASA S2.46-1989 (R202x), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2015))

This standard specifies rules for the presentation of important characteristics for electromechanical shock and vibration transducers (seismic pickups), the electrical outputs of which are known functions of the uniaxial, multiaxial, or angular accelerations, velocities, or displacements of objects the motions of which are being measured.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.61-1989 (R202x), Guide to Mechanical Mounting of Accelerometers (reaffirmation of ANSI/ASA S2.61-1989 (R2015))

This ANSI standard describes the mounting characteristics of accelerometers to be specified by the manufacturer and makes recommendations to the user for mounting accelerometers. The application of this standard is limited to the mounting of electromechanical transducers of the type that are attached on the surface of the structure in motion. It does not cover other types, such as relative motion pickups. This standard is in general accordance with ISO 5348-1987, Mechanical Vibration and Shock - Mechanical Mounting of Accelerometers.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.70-2006 (R202x), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2016))

This standard specifies the recommended method for the measurement, data analysis and evaluation, vibration and health risk assessments, and reporting of hand-transmitted vibration exposure. The methods specified in this standard are to be used to characterize and evaluate vibration impinging on the hands of humans and to give guidance on assessing the potential for this vibration to result in pathology related to hand-arm vibration exposure among the users of hand-held percussive or vibrating devices, tools, and work pieces. Factors, such as grip and push forces applied to tool handles, orientation of the hands and tool relative to a specific work piece, and intermittency of vibration exposure that can affect one's exposure to hand-transmitted vibration are not addressed in this standard.

Single copy price: \$169.40

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.71-1983 (R202x), Standards Guide to the Evaluation of Human Exposure to Vibration in Buildings (reaffirmation of ANSI/ASA S2.71-1983 (R2012))

This standard defines measurement methods for vibration that affects humans within buildings and the magnitudes of vibration at which humans will perceive and possibly react when inside the buildings.

Single copy price: \$138.60

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.75-2017/Part 2 (R202x), Shaft Alignment Methodology, Part 2: Vocabulary (reaffirmation of ANSI/ASA S2.75-2017/Part 2)

The words and phrases provided here are descriptive of the instruments and methods in common use for shaft alignment of industrial and utility machines. The machines have rotating shafts at speeds of several hundred revolutions per minute and higher. The machines are typically stationary, being attached to a fixed location on a structure, but could also be on a vehicle, such as a watercraft. The definitions are intended to be used in other standards for shaft alignment and general machinery servicing.

Single copy price: \$169.40

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

BSR/ASA S2.1-2009 (R202x), ISO 2041-2009 (R202x), Standard Mechanical vibration, shock and condition monitoring - Vocabulary (reaffirm a national adoption ANSI/ASA S2.1-2009 (R2014), ISO 2041-2009 (R2014))

This Nationally Adopted International Standard defines terms and expressions unique to the areas of mechanical vibration, shock, and condition monitoring.

Single copy price: \$98.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

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

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

Addenda

BSR/ASHRAE Addendum 62.1aa-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

For design, the indoor air quality procedure (IAQP) requires (simplified version): (1) Identification if contaminants of concern, (2) Determining indoor and outdoor sources, (3) Identifying a concentration limit and exposure period, (4) Specifying percentage of building occupants to be satisfied with perceived IAQ, and (5) Performing a mass balance analysis for selected compounds. Weaknesses exist in items (1), (3), and (4). This proposed addendum adds a minimum requirement of percentage of people satisfied and requirements for designing to specific limits for design compounds and particulate matter, design compounds are specifically identified, mixtures are specifically identified, and objective and subjective testing are added.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Order from: standards.section@ashrae.org

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

BSR/ASHRAE Addendum 62.1ab-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

The 2016 version of the Standard Informative Appendix D (Rationale for Minimum Physiological Requirements for Respiration Air Based on CO₂ Concentration) described CO₂ generation rates based on physical activity. This appendix was deleted as it contained outdated information. This proposed addendum adds a normative appendix which describes how to apply the steady-state equation to estimate indoor CO₂ concentrations from per person values of CO₂ generation rates and outdoor air ventilation rates, and to use those to estimate zone population for DCV. It also describes the estimation of dynamic changes in indoor carbon dioxide concentrations for various changes in room conditions and multiple-zone systems, and their application to DCV.

Single copy price: \$35.00

Obtain an electronic copy from: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Order from: standards.section@ashrae.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 1000678.v4-202x, Lawfully Authorized Electronic Surveillance (LAES) for Voice over Internet Protocol in Wireline Telecommunications Networks, Version 4 (revision and redesignation of ANSI/ATIS 1000678.v4-201x)

This Standard defines the interfaces between a Telecommunication Service Provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance for Voice over Internet Protocol (VoIP) in Wireline Telecommunications Networks. This version of the standard extends the capabilities in ATIS 1000678.v3.2.2006 (2015) and also provides corrections. This document provides the mechanisms to perform lawfully authorized electronic surveillance of VoIP subject to the appropriate legal and regulatory environment. It is not the intent of this document to imply or impact any pending Communications Assistance for Law Enforcement Act (CALEA) regulatory decisions related to VoIP.

Single copy price: \$330.00

Obtain an electronic copy from: akarditzas@atis.org

Order from: Anna Karditzas, (202) 434-8843, akarditzas@atis.org

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

IES (Illuminating Engineering Society)

New Standard

BSR/IES RP-4-202x, Recommended Practice: Lighting Library Spaces (new standard)

Today's library is different in many ways from libraries of the past. Newer lighting techniques and lighting equipment provide the designer with the tools to meet the needs of the varied visual tasks encountered in today's libraries. This document has been written for use by lighting design professionals, architects, engineers, library administrators, librarians, and educators to provide useful practical information that will help produce an energy efficient, pleasing lighted environment.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES TM-15-202x, Approved Method: Luminaire Classification System for Outdoor Luminaires (new standard)

This Technical Memorandum defines a lighting application classification system for outdoor luminaires that provides information to lighting professionals regarding the lumen distribution within solid angles of specific interest. The lumens within these solid angles are intended to be one of the metrics used to evaluate luminaire optical distribution including the potential for light pollution and obtrusive light, but not as the only metric that should be evaluated.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

IIAR (International Institute of Ammonia Refrigeration)

Revision

BSR/IIAR 4-202X, Installation of Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 4-2015)

This standard specifies the minimum requirements for the installation of safe closed-circuit ammonia refrigeration systems and pressure relief device piping systems for overpressure protection when used in conjunction with a closed-circuit ammonia refrigeration system.

Single copy price: Free until public review period is over

Obtain an electronic copy from: TONY_LUNDELL@IIAR.ORG

Order from: Tony Lundell, (703) 312-4200, tony_lundell@iiar.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 62091-202X, Standard for Safety for Low-Voltage Switchgear and Controlgear - Controllers for Drivers of Stationary Fire Pumps (national adoption with modifications of IEC 62091)

This document is the proposed UL/CSA IEC-based standard for fire pump controllers. It is the first edition of UL 62091 with national differences included for Canada, Mexico, and the United States. The document was created using IEC 62091, the requirements of the third edition of UL 218/CSA C22.2 No. 263-15 and requirements pertaining to fire pump controllers from the 2019 and past editions of NFPA 20, the Standard for the Installation of Stationary Pumps for Fire Protection. This document is intended to replace UL 218/CSA C22.2 No. 263-15 to provide globally accepted requirements for fire pump controllers.

Single copy price: Free

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

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

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

BSR/UL 62841-1-202x, Standard for Safety Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 1: General Requirements (national adoption of IEC 62841-1 with modifications and revision of ANSI/UL 62841-1-2015)

This proposal for UL 62841-1 covers: (1) Proposed addition of clause K.21.203.1DV to clarify mains connections in lithium-ion battery systems, (2) Proposed addition of national differences to clause L.18.201 to align abnormal testing requirements with the inherent system protections of electronically commutated motors, (3) Proposed revisions to clause 8.2DV and addition of clause 8.14DV to clarify language requirements specific to marking and language requirements specific to instructions, (4) Proposed addition of clause K.8.2DV to clarify marking requirements applicable to battery packs and detachable battery packs, (5) Proposed revisions to clause 14.1 to match the text of clause 14.1 of IEC 62841-1.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 7003-2016 (R202x), Standard for Sustainability for Household Clothes Washers (reaffirmation of ANSI/UL 7003-2016)

(1) Reaffirmation and continuance of the second edition of the Standard for Sustainability for Household Clothes Washers, UL 7003, as an American National Standard.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1369-202x, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (revision of ANSI/UL 1369-2018a)

The following is being proposed: (1) Revisions to the Fire Test.

Single copy price: Free

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

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

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

Technical Reports Registered with ANSI

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

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

Comment Deadline: May 3, 2020

NEMA (ASC C18) (National Electrical Manufacturers Association)

NEMA C18.5M Part 2, Portable Lithium Rechargeable Cells and Batteries - Technical Report (technical report)

This NEMA Technical Report specifies performance requirements for portable lithium rechargeable cells and batteries to ensure their safe operation under normal use and reasonably foreseeable misuse, and includes information relevant to hazard avoidance.

Single copy price: \$100.00

Order from: khaled.masri@nema.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:

ASTM (ASTM International)

BSR/ASTM WK65938-201x, New Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials (new standard)

Inquiries may be directed to Laura Klineburger, (610) 832-9744, accreditation@astm.org

BHMA (Builders Hardware Manufacturers Association)

BSR/BHMA A156.115W-200x, Hardware Preparation in Wood Doors with Wood or Steel Frames (new standard)

Inquiries may be directed to Michael Tierney, (860) 944-4264, mtierney@kellenccompany.com

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.26-2003 (R2009), Guide for Methods of Power Factor Measurement for Low-Voltage Inductive Test Circuits

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

ASABE (American Society of Agricultural and Biological Engineers)

ANSI/ASAE S365.9-2011 (R2017), Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment
Questions may be directed to: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

Corrections

Correction to Standard's Title

BSR/ANS 3.11-2015 (R202x)

There was a misprint in the "Standards Title" of the Call-for-Comment notice for BSR/ANS 3.11-2015 (R202x), in ANSI Standards Action 3/20/2020. The correct title is as follows:

"Determining Meteorological Information at Nuclear Facilities" (reaffirmation of ANSI/ANS 3.11-2015).

Error in URL

BSR/LES IPSC.001.1-202x

The March 27, 2020 Standards Action Public Review notice for BSR/LES IPSC.001.1-202x --(new standard) had an error in the URL for obtaining an electronic draft. The letter "g" was omitted from "/page/". The correct URL is: <https://www.lesusacanada.org/page/Standards-Review>.

Public Review Notice Canceled

BSR/UL 498-202x

The Public Review notice for BSR/UL 498-202x, Standard for Safety for Attachment Plugs and Receptacles was mistakenly included in the March 27, 2020 Standards Action and is hereby canceled.

Call for Members (ANS Consensus Bodies)

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

AIAA (American Institute of Aeronautics and Astronautics)

Contact: Hillary Woehrle

Phone (703) 264-7546

E-mail: hillaryw@aiaa.org

Office: 12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807

BSR/AIAA S-153-202x, Human Spaceflight: Spacecraft Architecture and Systems Engineering Ontology (new standard)

ASA (ASC S2) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon

Phone (516) 576-2341

E-mail: standards@acousticalsociety.org

Office: 1305 Walt Whitman Road
Suite 300
Melville, NY 11747

BSR ASA S2.21-1998 (R202x), Method for Preparation of a Standard Material for Dynamic Mechanical Measurements (reaffirmation of ANSI ASA S2.21-1998 (R2017))

BSR ASA S2.22-1998 (R202x), Resonance Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI ASA S2.22-1998 (R2017))

BSR ASA S2.23-1998 (R202x), Single Cantilever Beam Method for Measuring the Dynamic Mechanical Properties of Viscoelastic Materials (reaffirmation of ANSI ASA S2.23-1998 (R2017))

BSR ASA S2.75-2017/Part 1 (R202x), Shaft Alignment Methodology, Part 1: General Principles, Methods, Practices, and Tolerances (reaffirmation of ANSI ASA S2.75-2017/Part 1)

BSR/ASA S2.2-1959 (R202x), Methods for the Calibration of Shock and Vibration Pickups (reaffirmation of ANSI/ASA S2.2-1959 (R2016))

BSR/ASA S2.4-1976 (R202x), Method for Specifying the Characteristics of Auxiliary Analog Equipment for Shock and Vibration Measurements (reaffirmation of ANSI/ASA S2.4-1976 (R2014))

BSR/ASA S2.8-2007 (R202x), Technical Information Used for Resilient Mounting Applications (reaffirmation of ANSI/ASA S2.8-2007 (R2017))

BSR/ASA S2.16-1997 (R202x), Vibratory Noise Measurements and Acceptance Requirements for Shipboard Equipment (reaffirmation of ANSI/ASA S2.16-1997 (R2016))

BSR/ASA S2.20-1983 (R202x), Estimating Air Blast Characteristics for Single Point Explosions in Air, with a Guide to Evaluation of Atmospheric Propagation and Effects (reaffirmation of ANSI/ASA S2.20-1983 (R2011))

BSR/ASA S2.24-2001 (R202x), Graphical Presentation of the Complex Modulus of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.24-2001 (R2016))

BSR/ASA S2.25-2004 (R202x), Guide for the Measurement, Reporting, and Evaluation of Hull and Superstructure Vibration in Ships (reaffirmation of ANSI/ASA S2.25-2004 (R2014))

BSR/ASA S2.26-2001 (R202x), Vibration Testing Requirements and Acceptance Criteria for Shipboard Equipment (reaffirmation of ANSI/ASA S2.26-2001 (R2016))

BSR/ASA S2.27-2002 (R202x), Guidelines for the Measurement and Evaluation of Vibration of Ship Propulsion Machinery (reaffirmation of ANSI/ASA S2.27-2002 (R2014))

BSR/ASA S2.31-1979 (R202x), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 1: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2020))

BSR/ASA S2.32-1982 (R202x), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 2: Measurements Using Single-Point Translational Excitation (reaffirmation of ANSI/ASA S2.32-1982 (R2020))

BSR/ASA S2.34-1984 (R202x), Standard Guide to the Experimental Determination of Rotational Mobility Properties and the Complete Mobility Matrix (reaffirmation of ANSI/ASA S2.34-1984 (R2015))

BSR/ASA S2.46-1989 (R202x), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2015))

BSR/ASA S2.61-1989 (R202x), Guide to Mechanical Mounting of Accelerometers (reaffirmation of ANSI/ASA S2.61-1989 (R2015))

BSR/ASA S2.70-2006 (R202x), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2016))

BSR/ASA S2.71-1983 (R202x), Standards Guide to the Evaluation of Human Exposure to Vibration in Buildings (reaffirmation of ANSI/ASA S2.71-1983 (R2012))

BSR/ASA S2.75-2017/Part 2 (R202x), Shaft Alignment Methodology, Part 2: Vocabulary (reaffirmation of ANSI/ASA S2.75-2017/Part 2)

BSR/ASA S2.1-2009 (R202x), ISO 2041-2009 (R202x), Standard Mechanical vibration, shock and condition monitoring - Vocabulary (reaffirm a national adoption ANSI/ASA S2.1-2009 (R2014), ISO 2041-2009 (R2014))

ATIS (Alliance for Telecommunications Industry Solutions)

Contact: Drew Greco
Phone (202) 628-6380
E-mail: dgreco@atis.org
Office: 1200 G Street NW
 Suite 500
 Washington, DC 20005

BSR/ATIS 0600015.01-202x, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Server Requirements (revision of ANSI/ATIS 0600015.01-2014)

BHMA (Builders Hardware Manufacturers Association)

Contact: Michael Tierney
Phone (860) 944-4264
E-mail: mtierney@kellencompany.com
Office: 355 Lexington Avenue, 15th Floor
 15th Floor
 New York, NY 10017-6603

BSR/BHMA A156.1-202x, Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)

BSR/BHMA A156.6-202x, Architectural Door Trim (revision of ANSI/BHMA A156.6-2015)

BSR/BHMA A156.7-202x, Standard for Template Hinge Dimensions (revision of ANSI/BHMA A156.7-2016)

BSR/BHMA A156.8-202x, Door Controls - Overhead Stops And Holders (revision of ANSI/BHMA A156.8-2015)

BSR/BHMA A156.9-202x, Cabinet Hardware (revision of ANSI/BHMA A156.9-2015)

BSR/BHMA A156.15-202x, Release Devices - Closer Holder, Electromagnetic and Electromechanical (revision of ANSI/BHMA A156.15-2015)

BSR/BHMA A156.36-202x, Auxiliary Hardware (revision of ANSI/BHMA A156.36-2016)

BSR/BHMA A156.39-202x, Residential Locksets and Latches (revision of ANSI/BHMA A156.39-2015)

BSR/BHMA A156.40-202x, Residential Deadbolts (revision of ANSI/BHMA A156.40-2015)

IES (Illuminating Engineering Society)

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

BSR/IES RP-4-202x, Recommended Practice: Lighting Library Spaces (new standard)

BSR/IES TM-15-202x, Approved Method: Luminaire Classification System for Outdoor Luminaires (new standard)

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

Contact: Deborah Spittle
Phone (202) 737-8888
E-mail: comments@standards.incits.org
Office: 700 K Street NW
 Suite 600
 Washington, DC 20001

INCITS/ISO 19101-2:2018 [202x], Geographic Information - Reference Model - Part 2: Imagery (identical national adoption of ISO 19101-2:2018)

INCITS/ISO 19115-1:2014/AM 1:2018 [202x], Geographic information - Metadata - Part 1: Fundamentals - Amendment 1 (identical national adoption of ISO 19115-1:2014/AM 1:2018)

INCITS/ISO 19123-2:2018 [202x], Geographic Information - Schema for Coverage Geometry and Functions - Part 2: Coverage Implementation Schema (identical national adoption of ISO 19123-2:2018)

- INCITS/ISO 19130-1:2018 [202x], Geographic Information - Imagery Sensor Models for Geopositioning - Part 1: Fundamentals (identical national adoption of ISO 19130-1:2018)
- INCITS/ISO 19136-1:2020 [202x], Geographic Information - Geography Markup Language (GML) - Part 1: Fundamentals (identical national adoption of ISO 19136-1:2020 and revision of INCITS/ISO/IEC 19136:2007 [R2015])
- INCITS/ISO 19150-4:2019 [202x], Geographic Information - Ontology - Part 4: Service Ontology (identical national adoption of ISO 19150-4:2019)
- INCITS/ISO 19150-2:2015/AM 1:2019 [202x], Geographic information - Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) - Amendment 1 (identical national adoption of ISO 19150-2:2015/AM 1:2019)
- INCITS/ISO 19160-3:2020 [202x], Addressing - Part 3: Address Data Quality (identical national adoption of ISO 19160-3:2020)
- INCITS/ISO 19161-1:2020 [202x], Geographic Information - Geodetic References - Part 1: International Terrestrial Reference System (ITRS) (identical national adoption of ISO 19161-1:2020)
- INCITS/ISO 19165-1:2018 [202x], Geographic Information - Preservation of Digital Data and Metadata - Part 1: Fundamentals (identical national adoption of ISO 19165-1:2018)
- INCITS/ISO 19111:2019 [202x], Geographic Information - Referencing By Coordinates (identical national adoption of ISO 19111:2019 and revision of INCITS/ISO 19111:2007 [R2017] and INCITS/ISO 19111-2:2009 [R2015])
- INCITS/ISO 19127:2019 [202x], Geographic Information - Geodetic Register (identical national adoption of ISO 19127:2019)
- INCITS/ISO 19146:2018 [202x], Geographic Information - Cross-Domain Vocabularies (identical national adoption of ISO 19146:2018 and revision of INCITS/ISO 19146:2010 [R2016])
- INCITS/ISO 19162:2019 [202x], Geographic Information - Well-Known Text Representation of Coordinate Reference Systems (identical national adoption of ISO 19162:2019 and revision of INCITS/ISO 19162:2015 [2017])
- INCITS/ISO 19157:2013/AM 1:2018 [202x], Geographic information - Data quality - Amendment 1: Describing data quality using coverages (identical national adoption of ISO 19157:2013/AM 1:2018)
- INCITS/ISO/IEC 7811-2:2018 [202x], Identification Cards - Recording Technique - Part 2: Magnetic Stripe: Low Coercivity (identical national adoption of ISO/IEC 7811-2:2018 and revision of INCITS/ISO/IEC 7811-2:2014 [2016])
- INCITS/ISO/IEC 7816-15:2016/AM 1:2018 [202x], Identification cards - Integrated circuit cards - Part 15: Cryptographic information application - Amendment 1 (identical national adoption of ISO/IEC 7816-15:2016/AM 1:2018)
- INCITS/ISO/IEC 10373-3:2018 [202x], Identification Cards - Test Methods - Part 3: Integrated Circuit Cards with Contacts and Related Interface Devices (identical national adoption of ISO/IEC 10373-3:2018 and revision of INCITS/ISO/IEC 10373-3:2010 [R2016])
- INCITS/ISO/IEC 10373-7:2019 [202x], Cards and Security Devices for Personal Identification - Test Methods - Part 7: Contactless Vicinity Objects (identical national adoption of ISO/IEC 10373-7:2019 and revision of INCITS/ISO/IEC 10373-7:2008 [R2016])
- INCITS/ISO/IEC 10373-8:2011 [202x], Identification Cards - Test Methods - Part 8: USB-ICC (identical national adoption of ISO/IEC 10373-8:2011)
- INCITS/ISO/IEC 10373-9:2011 [202x], Identification Cards - Test Methods - Part 9: Optical Memory Cards - Holographic Recording Method (identical national adoption of ISO/IEC 10373-9:2011)
- INCITS/ISO/IEC 14443-3:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Proximity Objects - Part 3: Initialization and Anticollision (identical national adoption of ISO/IEC 14443-3:2018 and revision of INCITS/ISO/IEC 14443-3:2016 [2016])
- INCITS/ISO/IEC 14443-4:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Proximity Objects - Part 4: Transmission Protocol (identical national adoption of ISO/IEC 14443-4:2018 and revision of INCITS/ISO/IEC 14443-4:2016 [2016])
- INCITS/ISO/IEC 15693-1:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 1: Physical Characteristics (identical national adoption of ISO/IEC 15693-1:2018 and revision of INCITS/ISO/IEC 15693-1:2010 [R2016])
- INCITS/ISO/IEC 15693-2:2019 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 2: Air Interface and Initialization (identical national adoption of ISO/IEC 15693-2:2019 and revision of INCITS/ISO/IEC 15693-2:2006 [R2016])

INCITS/ISO/IEC 15693-3:2019 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 3: Anticollision and Transmission Protocol (identical national adoption of ISO/IEC 15693-3:2019 and revision of INCITS/ISO/IEC 15693-3:2009 [R2016])

INCITS/ISO/IEC 18013-3:2017 [202x], Information Technology - Personal Identification - ISO-Compliant Driving Licence - Part 3: Access Control, Authentication and Integrity Validation (national adoption of ISO/IEC 18013-3:2017 with modifications and revision of INCITS/ISO/IEC 18013-3:2009 [R2016])

INCITS/ISO/IEC 18013-4:2019 [202x], Personal Identification - ISO-Compliant Driving Licence - Part 4: Test Methods (identical national adoption of ISO/IEC 18013-4:2019)

INCITS/ISO/IEC 20071-11:2019 [202x], Information Technology - User Interface Component Accessibility - Part 11: Guidance on Text Alternatives for Images (identical national adoption of ISO/IEC 20071-11:2019)

INCITS/ISO/IEC 29794-4:2017 [202x], Information Technology - Biometric Sample Quality - Part 4: Finger Image Data (identical national adoption of ISO/IEC 29794-4:2017)

INCITS/ISO/IEC 7810:2019 [202x], Identification Cards - Physical Characteristics (identical national adoption of ISO/IEC 7810:2019 and revision of INCITS/ISO/IEC 7810:2003 [R2018])

INCITS/ISO/IEC 19286:2018 [202x], Identification Cards - Integrated Circuit Cards - Privacy-Enhancing Protocols and Services (identical national adoption of ISO/IEC 19286:2018)

INCITS/ISO/IEC 24787:2018 [202x], Information Technology - Identification Cards - On-Card Biometric Comparison (identical national adoption of ISO/IEC 24787:2018)

KCMA (Kitchen Cabinet Manufacturers Association)

Contact: Chuck Arnold
Phone (703) 264-1690
E-mail: carnold@kcma.org
Office: 1899 Preston White Drive
 Reston, VA 20191

BSR/KCMA A161.1-202x, Performance and Construction Standard for Kitchen and Vanity Cabinets (revision of ANSI/KCMA A161.1-2017)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i141r3), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

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

BSR/NSF/CAN 60-202x (i86r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

BSR/NSF/CAN 60-202x (i87r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

BSR/NSF/CAN 61-202x (i156r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2019)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

ANSI/AAMI MP80601-2-49-2020, Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors (national adoption with modifications of IEC 80601-2-49:2018): 3/26/2020

ANS (American Nuclear Society)

New Standard

ANSI/ANS 54.1-2020, Nuclear Safety Criteria and Design Process for Sodium Fast Reactor Nuclear Power Plants (new standard): 3/23/2020

Reaffirmation

ANSI/ANS 8.10-2015 (R2020), Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement (reaffirmation of ANSI/ANS 8.10-2015): 3/26/2020

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

Addenda

ANSI/ASHRAE/ICC/USGBC/IES Addendum p to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 3/31/2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum q to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 3/31/2020

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B1.13M-2005 (R2020), Metric Screw Threads: M Profile (reaffirmation of ANSI/ASME B1.13M-2005 (R2015)): 3/26/2020

ASNT (American Society for Nondestructive Testing)

Revision

ANSI/ASNT CP 189-2020, Qualification and Certification of Nondestructive Testing Personnel (revision, redesignation and consolidation of ANSI/ASNT CP-189-2016, ANSI/ASNT CP-189-2016, Addenda 2018): 3/31/2020

ASSP (Safety) (American Society of Safety Professionals)

Revision

ANSI/ASSP Z9.14-2020, Testing and Performance - Verification Methodologies for Biosafety Level 3 (BSL-3) and Animal Biosafety Level 3 (ABSL-3) Ventilation Systems (revision and redesignation of ANSI/ASSE Z9.14-2014): 3/31/2020

AWWA (American Water Works Association)

Revision

ANSI/AWWA C700-2020, Cold-Water Meters - Displacement Type, Metal Alloy Main Case (revision of ANSI/AWWA C700-2015): 3/24/2020

ANSI/AWWA C710-2020, Cold-Water Meters - Displacement Type, Plastic Main Case (revision of ANSI/AWWA C710-2015): 3/24/2020

ANSI/AWWA C115/A21.15-2020, Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges (revision of ANSI/AWWA C115/A21.15-2011): 3/31/2020

CSA (CSA America Standards Inc.)

New Standard

ANSI/CSA LNG 4.2-2020/CSA LNG 4.2-2020, Hoses for Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (new standard): 3/24/2020

Reaffirmation

ANSI Z21.12-1990 (R2020), Draft Hoods (reaffirmation and redesignation of ANSI Z21.12-1990 (R2015), Z21.12a-1993 (R2105), Z21.12b-1994 (R2015)): 3/31/2020

ANSI Z21.66-2015 (R2020), Automatic damper devices for use with gas-fired appliances (same as CSA 6.14) (reaffirmation of ANSI Z21.66-2015): 3/31/2020

CTA (Consumer Technology Association)

New Standard

* ANSI/CTA 2074-2020, Intensity Metrics: Physical Activity Monitoring (new standard): 3/31/2020

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

Withdrawal

INCITS/ISO/IEC 5138-1:1978 [S2009], Information technology - Office Machines - Office Machines - Vocabulary - Part 01: Dictation Equipment (withdrawal of INCITS/ISO 5138-1-1978 [S2009]): 3/30/2020

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Revision

ANSI/ITSDF B56.1-2020, Safety Standard for Low Lift and High Lift Trucks (revision of ANSI/ITSDF B56.1-2016, ANSI/ITSDF B56.1a-2018): 3/26/2020

NECA (National Electrical Contractors Association)

New Standard

ANSI/NECA 331-2020, Standard for Installing Building Service Entrance Grounding (new standard): 3/24/2020

ANSI/NECA 402-2020, Standard for Installing and Maintaining Motor Control Centers (new standard): 3/24/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

New Standard

- * ANSI C78.55-2020, Standard for Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (new standard): 3/27/2020

NEMA (ASC C82) (National Electrical Manufacturers Association)

Reaffirmation

- * ANSI C82.6-2015 (R2020), Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge Lamps - Methods of Measurement (reaffirmation of ANSI C82.6-2015): 3/30/2020

Revision

ANSI C82.16-2020, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2015): 3/27/2020

NSF (NSF International)

Revision

ANSI/NSF 35-2020 (i10r1), High Pressure Decorative Laminates for Surfacing Food Service Equipment (revision of ANSI/NSF 35-2017): 3/24/2020

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 128-01-2019, AVC Video Constraints for Cable Television - Part 1: Coding (revision and redesignation of ANSI/SCTE 128-1-2018): 3/30/2020

ANSI/SCTE 193-01-2020, MPEG AAC Audio Codec Constraints for Cable Television - Coding (revision and redesignation of ANSI/SCTE 193-1-2014): 3/31/2020

ANSI/SCTE 193-02-2020, MPEG-4 AAC Family Audio System - Part 2 Constraints for Carriage over MPEG-2 Transport (revision and redesignation of ANSI/SCTE 193-2-2014): 3/30/2020

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 568.0-E-2020, Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568.0-D-2015): 3/24/2020

ANSI/TIA 568.1-E-2020, Commercial Building Telecommunications Cabling Standard (revision and redesignation of ANSI/TIA 568.1-D-2015): 3/24/2020

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 73-2020, Standard for Safety for Motor-Operated Appliances (revision of ANSI/UL 73-2018): 3/31/2020

ANSI/UL 96-2020, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2016): 3/27/2020

ANSI/UL 448-2020, Standard for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2017): 3/30/2020

ANSI/UL 508A-2020, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2018): 3/25/2020

ANSI/UL 508A-2020a, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2018): 3/25/2020

ANSI/UL 763-2020, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2018): 3/27/2020

Project Initiation Notification System (PINS)

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

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

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

ACCA (Air Conditioning Contractors of America)

Contact: *Danny Halel, (618) 213-7888, danny.halel@acca.org*
2800 Shirlington Road, Suite 300, Arlington, VA 22206

Revision

BSR/ACCA 14 QMref-202x, Quality Maintenance of Commercial Refrigeration Systems Utilizing Fluorocarbon Refrigerants (revision of ANSI/ACCA 14 QMref-2015)

Stakeholders: Building owners/managers, consumers, refrigeration contractors, installers, technicians and designers associated with medium- and low-temperature applications utilizing fluorocarbon refrigerants.

Project Need: Conducting regularly scheduled inspections, maintenance, and remediation of commercial refrigeration equipment prolongs its efficiency, promotes product safety, supports lower utility costs, guards against unexpected failures, and prolongs equipment life. Everyone benefits when refrigeration systems operate efficiently within the required temperature ranges. To maximize the effectiveness of a maintenance program, the equipment must first be designed and installed according to the manufacturer's instructions and applicable codes.

Commercial refrigeration equipment and systems require routine monitoring, evaluation, adjustments, cleaning, and eventual replacement of components. Regularly scheduled inspections and maintenance are often required to maintain the original equipment manufacturer (OEM) warranty.

BSR/ACCA 6 QR-202x, HVAC System Cleanliness (revision of ANSI/ACCA 6 QR-2015)

Stakeholders: HVAC contractors, their support staff and technicians, residential and commercial building owners/operators and homeowners, health and institutional facility occupants.

Project Need: Establish minimum criteria to clean HVAC systems that have exceeded normal operational cleanliness parameters.

Establish appropriate procedures to clean-air-side surfaces of HVAC systems such as evaporator fan sections, air duct systems, and components that are contained in the air distribution pathway. To control contaminants which may be released as part of or after the HVAC cleaning process has been completed and to provide methods for HVAC system cleanliness verification.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME V&V 60.1-202x, Standard for Verification and Validation of computational modeling and simulation in energy systems (new standard)

Stakeholders: Designer, general interest, laboratory, producer/manufacturer, regulatory/government, consultant, and user.

Project Need: The motivation for this effort is the premise that a common generalized framework for the application of VVUQ will increase confidence in and expand usage and acceptability of computational models and simulation-based solutions in the energy industry.

To develop and establish best practice procedures for verification, validation, and uncertainty quantification (VVUQ) in computational modeling and simulations as applied in non-nuclear energy systems. Computational modeling includes component level and system level simulation, big data analytics, and data assimilation. In this context, non-nuclear energy systems encompass engineering elements that include, but are not limited to, exploration, production, and processing of fossil-fuels and renewables, plant-scale processes, and transmission and distribution systems. This standard will build on the scientific domain specific guidance provided by existing standards, such as ASME V&V 10 Standard for Verification and Validation in Computational Solid Mechanics, V&V 20 Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer and V&V 40 Assessing the Credibility of Computational Modeling through Verification and Validation: Application to Medical Devices by providing industry-specific guidance.

Revision

BSR/ASME B73.3-202x, Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015)

Stakeholders: Manufacturers and users of sealless horizontal end suction centrifugal pumps for chemical process.

Project Need: To update the standard to accommodate for new technological innovations and industry needs.

This Standard covers sealless centrifugal pumps of horizontal end-suction single-stage and centerline discharge design. This Standard includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance. It is the intent of this Standard that pumps of the same standard dimensional designation from all sources of supply shall be interchangeable with respect to mounting dimensions, size, and location of suction and discharge nozzles, input shafts, baseplates, and foundation bolt holes.

ATIS (Alliance for Telecommunications Industry Solutions)

Contact: Drew Greco, (202) 628-6380, dgreco@atis.org
1200 G Street NW, Suite 500, Washington, DC 20005

Revision

BSR/ATIS 0600015.01-202x, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Server Requirements (revision of ANSI/ATIS 0600015.01-2014)

Stakeholders: Communications industry.

Project Need: There is a need to revise this Standard.

This document defines how to measure the Telecommunication Energy Efficiency Ratio (TEER) of a server. The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

AWWA (American Water Works Association)

Contact: Paul Olson, (303) 347-6178, polson@awwa.org
6666 W. Quincy Ave., Denver, CO 80235

Supplement

BSR/AWWA C210a-202x, Addendum to AWWA C210-15, Liquid-Epoxy Coatings and Linings for Steel Water Pipe and Fittings (supplement to BSR/AWWA C210a-202x)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this addendum is to revise an overly restrictive testing requirement in Section 5.5.3, Dry film thickness, of ANSI/AWWA C210-2015.

The addendum will include a revision to the requirements in Section 5.5.3, Dry film thickness, to remove the requirement to test in accordance with Level 1 of SSPC-PA 2 for all cases.

BHMA (Builders Hardware Manufacturers Association)

Contact: Michael Tierney, (860) 944-4264, mtierney@kellencompany.com
355 Lexington Avenue, 15th Floor, New York, NY 10017-6603

Revision

BSR/BHMA A156.1-202x, Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)

Stakeholders: Construction, manufacturers, test labs.

Project Need: Five-year revision cycle.

This Standard establishes requirements for butts and hinges. Cycle tests, lateral and vertical wear tests, friction tests, strength tests, finish tests, and material and dimensional requirements are included.

BSR/BHMA A156.6-202x, Architectural Door Trim (revision of ANSI/BHMA A156.6-2015)

Stakeholders: Construction, manufacturers, test labs.

Project Need: Five-year revision.

This Standard contains requirements for door protection plates, door edgings, push plates, door pulls, push bars, and pull bars. Included are strength and finish tests, and dimensional and material criteria.

BSR/BHMA A156.7-202x, Standard for Template Hinge Dimensions (revision of ANSI/BHMA A156.7-2016)

Stakeholders: Construction, manufacturers, test labs.

Project Need: Five-year revision.

The purpose of this Standard is to establish nationally recognized dimensions for builders template hinges which are used on metal doors and frames. This Standard is intended to assure the interchangeability of template hinges and to provide a uniform method for template identification.

BSR/BHMA A156.8-202x, Door Controls - Overhead Stops and Holders (revision of ANSI/BHMA A156.8-2015)

Stakeholders: Construction, test labs, manufacturers.

Project Need: Five-year revision cycle.

This Standard establishes requirements for overhead door stops and holders, and includes performance tests covering operational, cyclical, strength, and finish criteria.

BSR/BHMA A156.9-202x, Cabinet Hardware (revision of ANSI/BHMA A156.9-2015)

Stakeholders: Manufacturers, test labs, construction.

Project Need: Five-year revision.

This Standard contains requirements for cabinet hardware and includes hinges, knobs, pulls, catches, shelf rests, standards and brackets, drawer slides, rotating shelves and track with guides for sliding panels. Included are performance tests covering operational, cyclical, strength, and finish criteria.

BSR/BHMA A156.15-202x, Release Devices - Closer Holder, Electromagnetic and Electromechanical (revision of ANSI/BHMA A156.15-2015)

Stakeholders: Manufacturers, test labs, construction.

Project Need: Five-year revision cycle.

This Standard establishes requirements for door closers combined with hold-open devices or free-swinging door closers combined with releasing devices and includes performance tests covering operational, cyclical, and finish criteria.

BSR/BHMA A156.36-202x, Auxiliary Hardware (revision of ANSI/BHMA A156.36-2016)

Stakeholders: Manufacturers, test labs, construction.

Project Need: Five-year revision.

ANSI/BHMA A156.36 establishes requirements for Auxiliary Locks, and includes dimensional criteria and five classifications of tests: operational, cycle, strength, security and, finish.

BSR/BHMA A156.39-202x, Residential Locksets and Latches (revision of ANSI/BHMA A156.39-2015)

Stakeholders: Manufacturers, test labs, construction.

Project Need: Five-year revision.

This Standard establishes performance requirements for bored residential locksets and latches, and includes durability, security, finish tests. Residential locksets and latches are generally used for single family homes and multifamily dwellings.

BSR/BHMA A156.40-202x, Residential Deadbolts (revision of ANSI/BHMA A156.40-2015)

Stakeholders: Manufacturers, test labs, construction.

Project Need: Five-year revision.

ANSI/BHMA A156.40 establishes requirements for residential deadbolts and deadlatches, and includes durability, security, and finish tests. Residential deadbolt and deadlatches are generally used for single-family homes and multifamily dwellings.

DSI (Dental Standards Institute, Inc.)

Contact: *Bryan Laskin, (763) 290-0004, dentalstandards@gmail.com
109 Bushaway Road, Suite 100, Wayzata, MN 55391*

New Standard**BSR/DSI CNST1.1-202x, Visualization of the Digital Dental Patient Chart Notes (DCN) (new standard)**

Stakeholders: Consumers (the general public), Users (dental care professionals).

Project Need: Lack of adequate documentation of dental procedures performed in the dental patient chart note (DCN) within the electronic dental record (EDR) is rampant within the industry, compromising dental care quality and is currently the second leading cause of dental malpractice losses.

This Standard presents the information content and visualization necessary to be included when a dental care provider is electronically documenting the dental patient chart notes. The goal of this Standard is to address the need for easy confirmation of the chart note being written, as well as providing the dental care provider visual notification if a patient chart note is incomplete. This Standard also defines terms related to the dental patient chart notes, as well as defined abbreviations and verbiage required based on dental procedures performed.

BSR/DSI ERST1.1-202x, The Dental Practice Medical Emergency Kit (new standard)

Stakeholders: Consumers (the general public), Users (dental care professionals).

Project Need: The lack of a consistent dental practice medical emergency (DPME) kit and medical emergency plan places the health of dental patients and providers at risk.

This Standard defines the design, contents and usage of the dental practice medical emergency (DPME) kits, based on procedures performed within the dental practice. The goal of this Standard is to define the most likely medical emergencies within a dental practice based on procedures performed in that office and define a system to address them effectively. The location and visuals of the DPME kit are also defined.

BSR/DSI GSST1.1-202x, Graphic Symbols - Pictograms Representing Information Regarding the Healthcare Patient (new standard)

Stakeholders: Consumers (the general public), Users (healthcare professionals).

Project Need: Communication failures have been reported to be a factor in 30% of medical malpractice claims. Electronic health records (EHR) have been found to promote these errors, as crucial information can be lost within the complications of the system. A universal, easy to identify graphic system is required to address this need.

This Standard defines graphic symbolization and pictogram representation of crucial information regarding the healthcare patient. The goal of this Standard is to address the need for easily identifiable, universal communication of information within the electronic health record (EHR), including electronic dental records (EDR), for the purpose of reducing miscommunications within healthcare. This Standard also defines the visualization of crucial graphic symbols within the EHR.

BSR/DSI MST1.1-202x, Definitions of Terms in Dental Metrics (new standard)

Stakeholders: Employers (dental consultants, dental support organizations), Consumers (the general public), Users (dental professionals), Professional Associations (organizations that represent the dental profession).

Project Need: The lack of definition of terms within the dental industry regarding dental metrics makes it difficult to provide dental practice support. This compromises dental care quality and makes it difficult for dentists to evaluate how they can best be of service to the general public.

This Standard defines key metrics involved in the valuation and performance of a dental practice. The goal of this Standard is to address the need for consistency in communication regarding dental practice performance, in order to elevate dental quality of care.

BSR/DSI RCST1.1-202x, Systemization of Notifications Regarding Dental Patient Recall (DPR) (new standard)

Stakeholders: Consumers (the general public), Users (dental professionals).

Project Need: Dental practice communications with their patients regarding the dental patient recall appointment today are inconsistent. This leads to confusion with dental patients, compromising dental care quality. Additionally, having the improper cadence, verbiage or form of appointment notification can create patients to miss needed appointments or get spammed by receiving unwanted messaging.

This Standard defines the content, form, and cadence of communication from a dental practice to a dental patient regarding dental patient recall (DPR). Recall verbiage, frequency, and supplemental communications, like informed consent inclusion, are also addressed. This Standard also defines how to incorporate patient communication preferences and patient responses. The goal of this Standard is to elevate the communication to dental patients and create consistency in the DPR experience, regardless of dental practice. Incorporating patient preferences in communication from their dental practice is also addressed.

BSR/DSI RST1.1-202x, Documentation of the Written and Electronic External Referral of the Dental Patient (new standard)

Stakeholders: Users (healthcare professionals), Consumers (patients).

Project Need: Currently, every referral of the dental patient requires the dentist to fill a prescription form that is based on the needs of the referral (end specialist or lab). This creates confusion and miscommunication, leading to errors in care.

Additionally, when referring electronically, the lack of consistency in information, along with the lack of the ability to pull uniform information into existing electronic referral systems creates an unnecessary barrier for adoption of this superior form of collaboration between the dentist and referral.

This Standard defines the information content and location necessary to be included in a prescription form when a dentist, dental specialist, or dental laboratory is collaborating with a dental or healthcare professional outside the office in the care of a dental patient. In the case of electronic transmission of patient information, the format of how the information is transferred, authenticated and stored is also described. The goal of this Standard is to address the need for secure, consistent, interoperable communication between dental care providers. This Standard covers the dentist to dental specialist (orthodontist, oral & maxillofacial surgeon, pedodontist, periodontist, endodontist), TMD, facial pain, sleep and airway practitioner, documentation of the dentist to physician referral (general, cosmetic, emergency, sleep, ear nose and throat, and dermatologist physicians), as well as dentist to laboratory referrals (fixed prosthodontics, removable prosthodontics, dental implants, sleep, veneers/cosmetic, orthodontics (fixed, removable, and clear aligners), radiographic imaging, splints, and mouthguards.

BSR/DSI VRST1.1-202x, Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard)

Stakeholders: Consumers (the general public), Users (healthcare professionals)

Project Need: Therapeutic Virtual Reality (TVR) has been proven to be effective in treating many cases of anxiety in healthcare, but the lack of Standardization can lead to patients getting exposed to nausea-inducing content. Seemingly innocuous content, when displayed in Virtual Reality can also be shocking to patients, having the negative effect on quality of care. Additionally, infection control protocols are required to ensure patient and provider safety.

This Standard defines the content, usage and disinfection protocols of Therapeutic Virtual Reality (TVR) used for anxiety reduction in healthcare. The goal of this Standard is to protect the healthcare patient from adverse reactions within Therapeutic Virtual Reality experiences, while empowering healthcare professionals to adequately manage patients' experiences and disinfection of devices.

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

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

New National Adoption

INCITS/ISO 19101-2:2018 [202x], Geographic Information - Reference Model - Part 2: Imagery (identical national adoption of ISO 19101-2:2018)

Stakeholders: ICT industry.

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

This document defines a reference model for standardization in the field of geographic imagery processing. This reference model identifies the scope of the standardization activity being undertaken and the context in which it takes place. The reference model includes gridded data with an emphasis on imagery. Although structured in the context of information technology and information technology standards, this document is independent of any application development method or technology implementation approach.

INCITS/ISO 19115-1:2014/AM 1:2018 [202x], Geographic information - Metadata - Part 1: Fundamentals - Amendment 1 (identical national adoption of ISO 19115-1:2014/AM 1:2018)

Stakeholders: ICT industry.

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

Amendment 1 to ISO 19115-1:2014.

INCITS/ISO 19123-2:2018 [202x], Geographic Information - Schema for Coverage Geometry and Functions - Part 2: Coverage Implementation Schema (identical national adoption of ISO 19123-2:2018)

Stakeholders: ICT industry.

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

Specifies a concrete implementable, conformance-testable coverage structure based on the abstract schema for coverages defined in the ISO 19123 schema for coverage geometry. This document defines a structure that is suitable for encoding in many encoding formats.

INCITS/ISO 19130-1:2018 [202x], Geographic Information - Imagery Sensor Models for Geopositioning - Part 1: Fundamentals (identical national adoption of ISO 19130-1:2018)

Stakeholders: ICT industry.

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

Identifies the information required to determine the relationship between the position of a remotely sensed pixel in image coordinates and its geoposition. It supports exploitation of remotely sensed images. It defines the metadata to be distributed with the image to enable user determination of geographic position from the observations.

INCITS/ISO 19136-1:2020 [202x], Geographic Information - Geography Markup Language (GML) - Part 1: Fundamentals (identical national adoption of ISO 19136-1:2020 and revision of INCITS/ISO/IEC 19136:2007 [R2015])

Stakeholders: ICT industry.

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

The Geography Markup Language (GML) is an XML encoding in compliance with ISO 19118 for the transport and storage of geographic information modeled in accordance with the conceptual modeling framework used in the ISO 19100 series of International Standards and including both the spatial and non-spatial properties of geographic features.

INCITS/ISO 19150-4:2019 [202x], Geographic Information - Ontology - Part 4: Service Ontology (identical national adoption of ISO 19150-4:2019)

Stakeholders: ICT industry.

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

This document sets a framework for geographic information service ontology and the description of geographic information Web services in Web Ontology Language (OWL).

INCITS/ISO 19150-2:2015/AM 1:2019 [202x], Geographic information - Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) - Amendment 1 (identical national adoption of ISO 19150-2:2015/AM 1:2019)

Stakeholders: ICT industry.

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

Amendment 1 to ISO 19150-2:2015.

INCITS/ISO 19160-3:2020 [202x], Addressing - Part 3: Address Data Quality (identical national adoption of ISO 19160-3:2020)

Stakeholders: ICT industry.

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

This document is a profile of ISO 19157; establishes a set of data quality elements and measures for describing the quality of address data; describes procedures for reporting data quality; provides guidelines for the use of the established set of data quality elements and measures for describing the quality of address data.

INCITS/ISO 19161-1:2020 [202x], Geographic Information - Geodetic References - Part 1: International Terrestrial Reference System (ITRS) (identical national adoption of ISO 19161-1:2020)

Stakeholders: ICT industry.

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

This document provides the basic information and the requirements related to the International Terrestrial Reference System (ITRS), its definition, its realizations, and how to access and use these realizations.

INCITS/ISO 19165-1:2018 [202x], Geographic Information - Preservation of Digital Data and Metadata - Part 1: Fundamentals (identical national adoption of ISO 19165-1:2018)

Stakeholders: ICT industry.

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

Defines a preservation metadata extension of ISO 19115-1, and defines the requirements for the long-term preservation of digital geospatial data. These data also include metadata, representation information, provenance, context, and any other content items that capture the knowledge that are necessary to fully understand and reuse the archived data. This document also refers to characteristics of data formats that are useful for the purpose of archiving.

INCITS/ISO 19111:2019 [202x], Geographic Information - Referencing by Coordinates (identical national adoption of ISO 19111:2019 and revision of INCITS/ISO 19111:2007 [R2017]
INCITS/ISO 19111-2:2009 [R2015])

Stakeholders: ICT industry.

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

This document defines the conceptual schema for the description of referencing by coordinates. It describes the minimum data required to define coordinate reference systems.

INCITS/ISO 19127:2019 [202x], Geographic Information - Geodetic Register (identical national adoption of ISO 19127:2019)

Stakeholders: ICT industry.

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

Defines the management and operations of the ISO geodetic register and identifies the data elements, in accordance with ISO 19111:2007 and the core schema within ISO 19135-1:2015, required within the geodetic register.

INCITS/ISO 19146:2018 [202x], Geographic Information - Cross-Domain Vocabularies (identical national adoption of ISO 19146:2018 and revision of INCITS/ISO 19146:2010 [R2016])

Stakeholders: ICT industry.

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

This document establishes a methodology for cross-mapping vocabularies. It also specifies an implementation of ISO 19135-1:2015 for the purpose of registering cross-mapped vocabulary entries.

INCITS/ISO 19162:2019 [202x], Geographic Information - Well-Known Text Representation of Coordinate Reference Systems (identical national adoption of ISO 19162:2019 and revision of INCITS/ISO 19162:2015 [2017])

Stakeholders: ICT industry.

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

This document defines the structure and content of a text string implementation of the abstract model for coordinate reference systems described in ISO 19111. The string defines frequently needed types of coordinate reference systems and coordinate operations in a self-contained form that is easily readable by machines and by humans.

INCITS/ISO 19157:2013/AM 1:2018 [202x], Geographic information - Data quality - Amendment 1: Describing data quality using coverages (identical national adoption of ISO 19157:2013/AM 1:2018)

Stakeholders: ICT industry.

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

Amendment 1 to ISO 19157:2013.

INCITS/ISO/IEC 7811-2:2018 [202x], Identification Cards - Recording Technique - Part 2: Magnetic Stripe: Low Coercivity (identical national adoption of ISO/IEC 7811-2:2018 and revision of INCITS/ISO/IEC 7811-2:2014 [2016])

Stakeholders: ICT industry.

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

Specifies requirements for a low coercivity magnetic stripe (including any protective overlay) on an identification card, the encoding technique and coded character sets. It takes into consideration both human and machine aspects and states minimum requirements.

INCITS/ISO/IEC 7816-8:2019 [202x], Identification Cards - Integrated Circuit Cards - Part 8: Commands and Mechanisms for Security Operations (identical national adoption of ISO/IEC 7816-8:2019 and revision of INCITS/ISO/IEC 7816-8:2016 [2019])

Stakeholders: ICT industry.

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

Specifies interindustry commands which can be used for security operations. This document also provides informative directives on how to construct security mechanisms with commands defined in ISO/IEC 7816-4. The choice and conditions of use of cryptographic mechanism in security operations can affect card exportability. The evaluation of the suitability of algorithms and protocols is outside the scope of this document. It does not cover the internal implementation within the card and/or the outside world.

INCITS/ISO/IEC 7816-15:2016/AM 1:2018 [202x], Identification cards - Integrated circuit cards - Part 15: Cryptographic information application - Amendment 1 (identical national adoption of ISO/IEC 7816-15:2016/AM 1:2018)

Stakeholders: ICT industry.

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

Amendment 1 to ISO/IEC 7816-15:2016.

INCITS/ISO/IEC 10373-3:2018 [202x], Identification Cards - Test Methods - Part 3: Integrated Circuit Cards with Contacts And Related Interface Devices (identical national adoption of ISO/IEC 10373-3:2018 and revision of INCITS/ISO/IEC 10373-3:2010 [R2016])

Stakeholders: ICT industry.

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

Defines test methods for characteristics of integrated circuit cards with contacts and related interface devices according to the definition given in ISO/IEC 7816-3. Each test method is cross-referenced to one or more base standards, which can be ISO/IEC 7810 that defines the information storage technologies employed in identification card applications.

INCITS/ISO/IEC 10373-7:2019 [202x], Cards and Security Devices for Personal Identification - Test Methods - Part 7: Contactless Vicinity Objects (identical national adoption of ISO/IEC 10373-7:2019 and revision of INCITS/ISO/IEC 10373-7:2008 [R2016])

Stakeholders: ICT industry.

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

Defines test methods for characteristics of identification cards according to the definition given in ISO/IEC 7810. Each test method is cross-referenced to one or more base standards, which can be ISO/IEC 7810 or one or more of the supplementary standards that define the information storage technologies employed in identification card applications. This part of ISO/IEC 10373 deals with test methods, which are specific to contactless integrated circuit card (vicinity card) technology.

INCITS/ISO/IEC 10373-8:2011 [202x], Identification Cards - Test Methods - Part 8: USB-ICC (identical national adoption of ISO/IEC 10373-8:2011)

Stakeholders: ICT industry.

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

Describes a Test Methodology and a list of Test Scenarios to evaluate the compliance of a card with ISO/IEC 7816-12. Specifically, ISO/IEC 10373-8:2011: addresses USB 2.0 physical layer measurements and electrical compliance testing; discusses issues relative to the Test Tools to analyze USB bus traffic and provides guidance for the Test Scenarios given in ISO/IEC 10373-8:2011; proposes a classification of Test Scenarios given in ISO/IEC 10373-8:2011, along with validation criteria; discusses Test Cases for compliance with the USB CCID Class Device.

INCITS/ISO/IEC 10373-9:2011 [202x], Identification Cards - Test Methods - Part 9: Optical Memory Cards - Holographic Recording Method (identical national adoption of ISO/IEC 10373-9:2011)

Stakeholders: ICT industry.

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

Defines test methods for characteristics of identification cards according to the definition given in ISO/IEC 7810. It is specific to optical memory cards that use the holographic recording method technology. Each test method is cross-referenced to one or more base standards, i.e., ISO/IEC 7810 or one or more of the supplementary International Standards that define the information storage technologies employed in identification card applications.

INCITS/ISO/IEC 14443-3:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Proximity Objects - Part 3: Initialization and Anticollision (identical national adoption of ISO/IEC 14443-3:2018 and revision of INCITS/ISO/IEC 14443-3:2016 [2016])

Stakeholders: ICT industry.

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

Describes the polling for proximity cards or objects (PICCs) entering the field of a proximity coupling device (PCD); the byte format, the frames and timing used during the initial phase of communication between PCDs and PICCs; the initial Request and Answer to Request command content; methods to detect and communicate with one PICC among several PICCs (anticollision); other parameters required to initialize communications between a PICC and PCD; optional means to ease and speed up the selection of one PICC among several PICCs based on application criteria; optional capability to allow a device to alternate between the functions of a PICC and a PCD to communicate with a PCD or a PICC, respectively. A device which implements this capability is called a PXD.

INCITS/ISO/IEC 14443-4:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Proximity Objects - Part 4: Transmission Protocol (identical national adoption of ISO/IEC 14443-4:2018 and revision of INCITS/ISO/IEC 14443-4:2016 [2016])

Stakeholders: ICT industry.

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

Specifies a half-duplex block transmission protocol featuring the special needs of a contactless environment and defines the activation and deactivation sequence of the protocol. Is intended to be used in conjunction with other parts of ISO/IEC 14443 and is applicable to proximity cards or objects of Type A and Type B.

INCITS/ISO/IEC 15693-1:2018 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 1: Physical Characteristics (identical national adoption of ISO/IEC 15693-1:2018 and revision of INCITS/ISO/IEC 15693-1:2010 [R2016])

Stakeholders: ICT industry.

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

Defines the physical characteristics of vicinity cards (VICCs). It is intended to be used in conjunction with other parts of the ISO/IEC 15693 series.

INCITS/ISO/IEC 15693-2:2019 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 2: Air Interface and Initialization (identical national adoption of ISO/IEC 15693-2:2019 and revision of INCITS/ISO/IEC 15693-2:2006 [R2016])

Stakeholders: ICT industry.

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

Document specifies the nature and characteristics of the fields to be provided for power and bi-directional communications between vicinity coupling devices (VCDs) and vicinity cards (VICCs). This document is intended to be used in conjunction with other parts of the ISO/IEC 15693 series. This document does not preclude the incorporation of other standard technologies on the card as described in Annex A.

INCITS/ISO/IEC 15693-3:2019 [202x], Cards and Security Devices for Personal Identification - Contactless Vicinity Objects - Part 3: Anticollision and Transmission Protocol (identical national adoption of ISO/IEC 15693-3:2019 and revision of INCITS/ISO/IEC 15693-3:2009 [R2016])

Stakeholders: ICT industry.

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

Specifies protocols and commands; other parameters required to initialize communications between a vicinity integrated circuit card and a vicinity coupling device; methods to detect and communicate with one card among several cards ("anticollision"); optional means to ease and speed up the selection of one among several cards based on application criteria. This document does not preclude the incorporation of other standard technologies on the card as described in Annex A.

INCITS/ISO/IEC 18013-3:2017 [202x], Information Technology - Personal Identification - ISO-Compliant Driving Licence - Part 3: Access Control, Authentication And Integrity Validation (national adoption of ISO/IEC 18013-3:2017 with modifications and revision of INCITS/ISO/IEC 18013-3:2009 [R2016])

Stakeholders: ICT industry.

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

Establishes guidelines for the design format and data content of an ISO-compliant driving licence (IDL) with regard to human-readable features (ISO/IEC 18013-1), machine-readable technologies (ISO/IEC 18013-2), and access control, authentication and integrity validation (ISO/IEC 18013-3). It creates a common basis for international use and mutual recognition of the IDL without impeding individual countries/states to apply their privacy rules and national/community/regional motor vehicle authorities in taking care of their specific needs.

INCITS/ISO/IEC 18013-4:2019 [202x], Personal Identification - ISO-Compliant Driving Licence - Part 4: Test Methods (identical national adoption of ISO/IEC 18013-4:2019)

Stakeholders: ICT industry.

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

Document describes the test methods used for conformity testing, that is methods for determining whether a driving licence can be considered to comply with the requirements of the ISO/IEC 18013 series for: machine readable technologies (ISO/IEC 18013-2), and access control, authentication and integrity validation (ISO/IEC 18013-3).

INCITS/ISO/IEC 20071-11:2019 [202x], Information Technology - User Interface Component Accessibility - Part 11: Guidance on Text Alternatives for Images (identical national adoption of ISO/IEC 20071-11:2019)

Stakeholders: ICT industry.

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

This document gives guidance on how to create text alternatives and what information to put in text alternatives. This document applies to all static images that are used in any type of electronic document. It also applies to individual images within a slide show. This document does not apply to moving images (e.g., movies).

INCITS/ISO/IEC 29794-4:2017 [202x], Information Technology - Biometric Sample Quality - Part 4: Finger Image Data (identical national adoption of ISO/IEC 29794-4:2017)

Stakeholders: ICT industry.

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

Establishes terms and definitions for quantifying finger image quality, methods used to quantify the quality of finger images, and standardized encoding of finger image quality, for finger images at 196.85 px/cm spatial sampling rate scanned or captured using optical sensors with capture dimension (width, height) of at least 1.27 cm x 1.651 cm.

INCITS/ISO/IEC 7810:2019 [202x], Identification Cards - Physical Characteristics (identical national adoption of ISO/IEC 7810:2019 and revision of INCITS/ISO/IEC 7810:2003 [R2018])

Stakeholders: ICT industry.

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

Describes the characteristics for identification cards and the use of such cards for international interchange. This document specifies the physical characteristics of identification cards including card materials, construction, characteristics, and dimensions for four sizes of cards.

INCITS/ISO/IEC 19286:2018 [202x], Identification Cards - Integrated Circuit Cards - Privacy-Enhancing Protocols and Services (identical national adoption of ISO/IEC 19286:2018)

Stakeholders: ICT industry.

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

ISO/IEC 19286:2018 aims to normalize privacy-enhancing protocols and services by using the mechanisms from parts of ISO/IEC 7816 and parts of ISO/IEC 18328 that contribute to security and privacy, providing discoverability means of privacy-enabling attributes, defining requirements for attribute-based credential handling, and identifying data objects and commands for ICCs.

INCITS/ISO/IEC 24787:2018 [202x], Information Technology - Identification Cards - On-Card Biometric Comparison (identical national adoption of ISO/IEC 24787:2018)

Stakeholders: ICT industry.

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

Document establishes: architectures of biometric comparison using an ICC; on-card biometric comparison, both in sensor-off-card systems and as part of biometric system-on-card; work-sharing on-card biometric comparison; and security policies for on-card biometric comparison.

KCMA (Kitchen Cabinet Manufacturers Association)

Contact: *Chuck Arnold, (703) 264-1690, carnold@kcma.org
1899 Preston White Drive, Reston, VA 20191*

Revision

BSR/KCMA A161.1-202x, Performance and Construction Standard for Kitchen and Vanity Cabinets (revision of ANSI/KCMA A161.1-2017)

Stakeholders: Cabinet manufacturers, cabinet specifiers, and purchasers of cabinets.

Project Need: This project is needed to maintain the 5-year revision cycle.

This standard covers the performance and construction of factory-manufactured and factory-finished kitchen and vanity cabinets. The standard is intended to be used to measure how well a completed cabinet can be expected to perform when properly installed in accordance with manufacturer's instructions, normally used, and maintained.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI

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

ABYC

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

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road
Suite 300
Arlington, VA 22206
Phone: (618) 213-7888
Web: www.acca.org

AIAA

American Institute of Aeronautics and
Astronautics
12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807
Phone: (703) 264-7546
Web: www.aiaa.org

ANS

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

ASA (ASC S2)

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

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1214
Web: www.ashrae.org

ASME

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

ASNT

American Society for Nondestructive
Testing
1711 Arlingate Lane
Columbus, OH 43228
Phone: (614) 384-2468
Web: www.asnt.org

ASSP (Safety)

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

ATIS

Alliance for Telecommunications
Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 628-6380
Web: www.atis.org

AWWA

American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

BHMA

Builders Hardware Manufacturers
Association
355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603
Phone: (860) 944-4264
Web: www.buildershardware.com

CSA

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

CTA

Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

DSI

Dental Standards Institute, Inc.
109 Bushaway Road
Suite 100
Wayzata, MN 55391
Phone: (763) 290-0004
Web: <https://dentalstandardsinstitute.com/>

IES

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

IIAR

International Institute of Ammonia
Refrigeration
1001 North Fairfax Street
Alexandria, VA 22314
Phone: (703) 312-4200
Web: www.iiar.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards

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

ITSDF

Industrial Truck Standards Development
Foundation, Inc.

1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880
Web: www.indtrk.org

KCMA

Kitchen Cabinet Manufacturers
Association

1899 Preston White Drive
Reston, VA 20191
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NECA

National Electrical Contractors
Association

3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Web: www.neca-neis.org

NEMA (ASC C78)

National Electrical Manufacturers
Association

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

NEMA (ASC C8)

National Electrical Manufacturers
Association

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

NEMA (ASC C82)

National Electrical Manufacturers
Association

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

NSF

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

SCTE

Society of Cable Telecommunications
Engineers

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

TIA

Telecommunications Industry
Association

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

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Phone: (919) 549-1636
Web: www.ul.com



IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 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

IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an 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.

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| <p>17A/1258/CDV, IEC 62271-100 ED3: High-voltage switchgear and controlgear - Part 100: Alternating current circuit-breakers, 2020/6/19</p> <p>17A/1259/CDV, IEC 62271-105 ED3: High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV, 2020/6/19</p> <p>23B/1317/CD, IEC 60884-3-1 ED1: Plugs and socket-outlets for household and similar purposes - Part 3-1: Particular requirements for socket-outlets incorporating USB power supply, 2020/6/19</p> <p>34C/1488(F)/FDIS, IEC 62384 ED2: DC or AC supplied electronic controlgear for LED modules - Performance requirements, 2020/4/17</p> <p>34B/2078(F)/FDIS, IEC 60061-2/AMD56 ED3: Amendment 56 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders, 2020/4/17</p> <p>34B/2079(F)/FDIS, IEC 60061-3/AMD58 ED3: Amendment 58 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges, 2020/4/17</p> <p>34A/2181/CD, IEC 60809/FRAG2 ED4: Fragment 2 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, 2020/5/22</p> <p>34A/2182/CD, IEC 60809/FRAG3 ED4: Fragment 3 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, 2020/5/22</p> <p>34A/2183/CD, IEC 60809/FRAG4 ED4: Fragment 4 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, 2020/5/22</p> <p>45B/958(F)/FDIS, IEC 62963 ED1: Radiation protection instrumentation - X-ray computed tomography (CT) inspection systems of bottled/canned liquids, 2020/4/10</p> <p>45A/1323/FDIS, IEC/IEEE 60980-344 ED1: Nuclear facilities - Equipment important to safety - Seismic qualification, 020/5/8/</p> <p>45A/1324/CD, IEC 60951-1 ED3: Nuclear facilities - Instrumentation important to safety - Radiation monitoring for accident and post-accident conditions - Part 1: General requirements, 2020/6/19</p> | <p>45A/1325/CD, IEC 60951-3 ED3: Nuclear facilities - Instrumentation important to safety - Radiation monitoring for accident and post-accident conditions - Part 3: Equipment for continuous high range area gamma monitoring, 2020/6/19</p> <p>45A/1326/CD, IEC 62705 ED2: Nuclear facilities - Instrumentation and control systems important to safety - Radiation monitoring systems (RMS): Characteristics and lifecycle, 2020/6/19</p> <p>46F/505/FDIS, IEC 61169-1-4 ED1: Radio-frequency connectors - Part 1-4: Electrical test methods - Voltage standing wave ratio, return loss and reflection coefficient, 020/5/8/</p> <p>47A/1095/CD, IEC 61967-4 ED2: Integrated circuits - Measurement of electromagnetic emissions - Part 4: Measurement of conducted emissions, 1 ohm/150 ohm direct coupling method, 2020/5/22</p> <p>48B/2803/FDIS, IEC 60512-9-5 ED2: Connectors for electrical and electronic equipment - Tests and measurements - Part 9-5: Endurance tests - Test 9e: Current loading, cyclic, 020/5/8/</p> <p>48B/2804/FDIS, IEC 60352-4 ED2: Solderless connections - Part 4: Non-accessible insulation displacement (ID) connections - General requirements, test methods and practical guidance, 020/5/8/</p> <p>61B/643/CD, IEC 60335-2-25/AMD1 ED7: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, 2020/6/19</p> <p>61B/644/CD, IEC 60335-2-90/AMD2 ED4: Amendment 2 - Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, 2020/6/19</p> <p>61B/645/CD, IEC 60335-2-110/AMD2 ED1: Amendment 2 - Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators, 2020/6/19</p> <p>62D/1758/CD, IEC 80601-2-89 ED1: Medical electrical equipment - Part 2-89: Particular requirements for the basic safety and essential performance of medical beds for children, 2020/6/19</p> <p>62D/1759/CD, IEC 80601-2-52 ED1: Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds, 2020/6/19</p> |
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- 65E/705/CD, IEC 61987-31 ED1: IEC 61987, Part 31: List of Properties (LOP) of infrastructure devices for electronic data exchange - Generic structures, 2020/6/19
- 65C/996(F)/CDV, IEC 61784-3-X ED4: Industrial communication networks - Profiles - Part 3-X: Functional safety fieldbuses - Additional specifications for CPF X, 2020/5/29
- 121A/353/FDIS, IEC 60947-4-2 ED4: Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - Semiconductor motor controllers, starters and soft-starters, 020/5/8/
- 15/911(F)/FDIS, IEC 60667-2 ED2: Vulcanized fibre for electrical purposes - Part 2: Methods of test, 2020/4/17
- 15/912/NP, PNW 15-912: Plastic films for electrical purposes - Part 3: Specification for individual materials - Sheet 4: Requirements for polyimide films used for electrical insulation, 2020/6/19
- 2/1994/CD, IEC 60034-9 ED5: Rotating electrical machines - Part 9: Noise limits, 2020/5/22
- 36/483/CD, IEC 60437 ED3: Radio interference test on high-voltage insulators, 2020/6/19
- 44/874/FDIS, IEC 61496-1 ED4: Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests, 020/5/8/
- 46/772/CDV, IEC 61935-2 ED4: Specification for the testing of balanced and coaxial information technology cabling - Part 2: Cords as specified in ISO/IEC 11801 and related standards, 2020/6/19
- 65/797/CD, IEC 62443-2-2 ED1: Security for industrial automation and control systems - Part 2-2: IACS Security Program Ratings, 2020/6/19
- 68/654/CD, IEC TR 63304 ED1: Methods of measurement of the magnetic properties of permanent magnet (magnetically hard) materials in an open magnetic circuit using a superconducting magnet, 2020/6/19
- 68/655/CD, IEC 60404-8-4 ED4: Magnetic materials - Part 8-4: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state, 2020/7/17
- 90/455/FDIS, IEC 61788-26 ED1: Superconductivity - Part 26: Critical current measurement - DC critical current of RE-Ba-Cu-O composite superconductors, 020/5/8/
- 104/862/CDV, IEC 60068-2-13 ED5: Environmental testing - Part 2-13: Tests - Test M: Low air pressure, 2020/6/19
- 111/575/FDIS, IEC 62321-10 ED1: Determination of certain substances in electrotechnical products - Part 10: Polycyclic aromatic hydrocarbons (PAHs) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS), 020/5/8/
- 116/455/FDIS, IEC 62841-3-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-7: Particular requirements for transportable wall saws, 020/5/8/
- 117/119/DTS, IEC TS 62862-2-1 ED1: Solar thermal electric plants - Part 2-1: Thermal energy storage systems - Characterization of active, sensible systems for direct and indirect configurations, 2020/6/19
- 13/1804(F)/FDIS, IEC 62053-24 ED2: Electricity metering equipment - Particular requirements - Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3), 2020/4/17
- 13/1808/FDIS, IEC 62052-11 ED2: Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment, 020/5/8/
- 20/1909(F)/FDIS, IEC 60840 ED5: Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) - Test methods and requirements, 2020/4/10
- 27/1127(F)/FDIS, IEC 60519-8 ED3: Safety in installations for electroheating and electromagnetic processing - Part 8: Particular requirements for electrosag remelting furnaces, 2020/4/17
- 31/1536/DISH, IEC 60079-1/ISH1 ED7: Interpretation Sheet 1 - Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d", 020/5/8/
- 47/2622/CD, IEC 63275-1 ED1: Semiconductor devices - Reliability test method for silicon carbide discrete metal-oxide semiconductor field effect transistors - Part 1: Test method for bias temperature instability, 2020/6/19
- 47/2623/CD, IEC 63275-2 ED1: Semiconductor devices - Reliability test method for silicon carbide discrete metal-oxide semiconductor field effect transistors - Part 2: Test method for bipolar degradation by body diode operating, 2020/6/19
- 47/2624/CD, IEC 63284 ED1: Semiconductor devices - Reliability test method of on-stress reliability by inductive load switching for gallium nitride transistors, 2020/6/19
- 49/1339(F)/FDIS, IEC 63155 ED1: Guidelines for the measurement method of power durability for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF) applications, 2020/4/10
- 55/1843(F)/FDIS, IEC 60317-18 ED4: Specifications for particular types of winding wires - Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120, 020/5/1/
- 55/1847/FDIS, IEC 60317-0-2 ED4: Specifications for particular types of winding wires - Part 0-2: General requirements - Enamelled rectangular copper wire, 020/5/8/
- 55/1848/FDIS, IEC 60317-82 ED1: Specifications for particular types of winding wires - Part 82: Polyesterimide enamelled rectangular copper wire, class 200, 020/5/8/
- 55/1849/FDIS, IEC 60317-62 ED2: Specifications for particular types of winding wires - Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, 020/5/8/
- 55/1850/FDIS, IEC 60317-60-1 ED1: Specifications for particular types of winding wires - Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155, 020/5/8/
- 55/1851/FDIS, IEC 60317-0-6 ED2: Specifications for particular types of winding wires - Part 0-6: General requirements - Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, 020/5/8/
- 57/2200/DC, Proposed revision of IEC 61968-100 ED1: Application integration at electric utilities - System interfaces for distribution management - Part 100: Implementation profiles, 020/5/8/

- 57/2201/FDIS, IEC 61850-7-1/AMD1 ED2: Amendment 1 -
Communication networks and systems for power utility automation -
Part 7-1: Basic communication structure - Principles and models,
020/5/8/
- 57/2208/DC, Draft IEC TR 61850-7-5: Communication networks and
systems for power utility automation - Part 7-5: IEC 61850 modelling
concepts, 020/5/8/
- 100/3413/FDIS, IEC 63181-2 ED1: LCD multi-screen display terminals
- Part 2: Measuring methods, 020/5/8/
- 100/3415/CD, IEC 63254 ED1: Management and Interfaces for WPT -
Device to device wireless charging (D2DWC) for mobile devices
with wireless power TX/RX module (TA 15), 2020/6/19
- 100/3416/CD, IEC 63246-2 ED1: Multimedia systems and equipment
for cars - Configurable Car Infotainment Services (CCIS) - Part 2:
Requirements (TA 17), 2020/6/19
- 100/3417/CD, IEC 63246-3 ED1: Multimedia systems and equipment
for cars - Configurable Car Infotainment Services (CCIS) - Part 3:
Framework (TA 17), 2020/6/19
- SyCSmartEnergy/136/DTS, IEC TS 63268 ED1: SRD: Energy and
data interfaces of users connected to the smart grid with other smart
grid stakeholders - Standardisation landscape, 2020/6/19



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

ACOUSTICS (TC 43)

[ISO 11203/Amd1:2020](#), Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level - Amendment 1, \$19.00

[ISO 21388:2020](#), Acoustics - Hearing aid fitting management (HAFM), \$185.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 5725-4:2020](#), Accuracy (trueness and precision) of measurement methods and results - Part 4: Basic methods for the determination of the trueness of a standard measurement method, \$138.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 6182-6:2020](#), Fire protection - Automatic sprinkler systems - Part 6: Requirements and test methods for check valves, \$68.00

FINE CERAMICS (TC 206)

[ISO 21713:2020](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of elastic modulus of ceramics at high temperature by thin wall C-ring method, \$68.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 20616-2:2020](#), Graphic technology - File format for quality control and metadata - Part 2: Print Quality eXchange (PQX), \$162.00

MACHINE TOOLS (TC 39)

[ISO 13041-1:2020](#), Test conditions for numerically controlled turning machines and turning centres - Part 1: Geometric tests for machines with horizontal workholding spindle(s), \$185.00

[ISO 13041-2:2020](#), Test conditions for numerically controlled turning machines and turning centres - Part 2: Geometric tests for machines with a vertical workholding spindle, \$185.00

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

[ISO 35102:2020](#), Petroleum and natural gas industries - Arctic operations - Escape, evacuation and rescue from offshore installations, \$232.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

[ISO 20695:2020](#), Enteral feeding systems - Design and testing, \$185.00

NUCLEAR ENERGY (TC 85)

[ISO 18589-5:2020](#), Measurement of radioactivity in the environment - Soil - Part 5: Strontium 90 - Test method using proportional counting or liquid scintillation counting, \$162.00

OTHER

[ISO 14088:2020](#), Leather - Chemical tests - Quantitative analysis of tanning agents by filter method, \$68.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 21896:2020](#), Paper, pulp, and recycling - Decolouration test of dye coloured paper products and paper products printed using dye inks, \$103.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 20320:2020](#), Protective clothing for use in snowboarding - Wrist protectors - Requirements and test methods, \$103.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 3839/Amd1:2020](#), Petroleum products - Determination of bromine number of distillates and aliphatic olefins - Electrometric method - Amendment 1, \$19.00

[ISO 8973/Amd1:2020](#), Liquefied petroleum gases - Calculation method for density and vapour pressure - Amendment 1, \$19.00

[ISO 23572:2020](#), Petroleum products - Lubricating greases - Sampling of greases, \$45.00

PLASTICS (TC 61)

[ISO 22526-2:2020](#), Plastics - Carbon and environmental footprint of biobased plastics - Part 2: Material carbon footprint, amount (mass) of CO₂ removed from the air and incorporated into polymer molecule, \$68.00

ROAD VEHICLES (TC 22)

[ISO 9021:2020](#), Motorcycles and mopeds - Controls - Types, positions and functions, \$103.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 24409-1:2020](#), Ships and marine technology - Design, location and use of shipboard safety signs, fire control plan signs, safety notices and safety markings - Part 1: Design principles, \$103.00

SOIL QUALITY (TC 190)

[ISO 22190:2020](#), Soil quality - Use of extracts for the assessment of bioavailability of trace elements in soils, \$103.00

TRADITIONAL CHINESE MEDICINE (TC 249)

[ISO 22894:2020](#), Traditional Chinese medicine - Pulse waveform format, \$103.00

[ISO 18662-2:2020](#), Traditional Chinese medicine - Vocabulary - Part 2: Processing of Chinese Materia Medica, \$45.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 14906/Amd1:2020](#), Electronic fee collection - Application interface definition for dedicated short-range communication - Amendment 1, \$19.00

ISO Technical Reports

ERGONOMICS (TC 159)

[ISO/TR 9241-393:2020](#), Ergonomics of human-system interaction - Part 393: Structured literature review of visually induced motion sickness during watching electronic images, \$232.00

ISO Technical Specifications

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO/TS 16976-5:2020](#), Respiratory protective devices - Human factors - Part 5: Thermal effects, \$103.00

SOLID BIOFUELS (TC 238)

[ISO/TS 17225-9:2020](#), Solid biofuels - Fuel specifications and classes - Part 9: Graded hog fuel and wood chips for industrial use, \$68.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 27006/Amd1:2020](#), Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems - Amendment 1, \$19.00

[ISO/IEC 30193:2020](#), Information technology - Digitally recorded media for information interchange and storage - 120 mm Triple Layer (100,0 Gbytes per disk) BD Rewritable disk, \$232.00

[ISO/IEC TS 33060:2020](#), Information technology - Process assessment - Process assessment model for system life cycle processes, \$209.00

[ISO/IEC TS 20748-3:2020](#), Information technology for learning, education and training - Learning analytics interoperability - Part 3: Guidelines for data interoperability, \$185.00

IEC Standards

ELECTRIC WELDING (TC 26)

[IEC 62135-2 Ed. 3.0 b:2020](#), Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements, \$199.00

[S+ IEC 62135-2 Ed. 3.0 en:2020 \(Redline version\)](#), Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements, \$259.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60898-1 Amd.1 Ed. 2.0 b cor.1:2020](#), Corrigendum 1 - Amendment 1 - Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation, \$0.00

FIBRE OPTICS (TC 86)

[IEC 61757-1-1 Ed. 2.0 b:2020](#), Fibre optic sensors - Part 1-1: Strain measurement - Strain sensors based on fibre Bragg gratings, \$317.00

[S+ IEC 61757-1-1 Ed. 2.0 en:2020 \(Redline version\)](#), Fibre optic sensors - Part 1-1: Strain measurement - Strain sensors based on fibre Bragg gratings, \$412.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 60100 Ed. 2.0 b:1962](#), Methods for the measurement of direct interelectrode capacitances of electronic tubes and valves, \$199.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 61547 Ed. 3.0 b:2020](#), Equipment for general lighting purposes - EMC immunity requirements, \$164.00

[IEC 62386-105 Ed. 1.0 b:2020](#), Digital addressable lighting interface - Part 105: Particular requirements for control gear and control devices - Firmware Transfer, \$199.00

[S+ IEC 61547 Ed. 3.0 en:2020 \(Redline version\)](#), Equipment for general lighting purposes - EMC immunity requirements, \$213.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

[IEC 63093-2 Ed. 1.0 b:2020](#), Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications, \$164.00

[IEC 63093-3 Ed. 1.0 b:2020](#), Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 3: Half pot-cores made of ferrite for inductive proximity switches, \$82.00

OTHER

[IEC/SRD 62559-4 Ed. 1.0 en:2020](#), Use case methodology - Part 4: Best practices in use case development for IEC standardization processes and some examples for application outside standardization, \$235.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

[IEC 63008 Ed. 1.0 b:2020](#), Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles, \$199.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 62488-2 Ed. 1.0 b:2017](#), Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals or APLC, \$352.00

SECONDARY CELLS AND BATTERIES (TC 21)

[IEC 63056 Ed. 1.0 b:2020](#), Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems, \$117.00

IEC Technical Reports

POWER TRANSFORMERS (TC 14)

[IEC/TR 60076-26 Ed. 1.0 en:2020](#), Power transformers - Part 26: Functional requirements of insulating liquids for use in power transformers, \$82.00

IEC Technical Specifications

ELECTRICAL ACCESSORIES (TC 23)

[IEC/TS 62196-3-1 Ed. 1.0 en:2020](#), Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3-1: Vehicle connector, vehicle inlet and cable assembly for DC charging intended to be used with a thermal management system, \$352.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

[IEC/TS 61200-102 Ed. 1.0 en:2020](#), Electrical installation guide - Part 102: Application guidelines for low-voltage direct current electrical installations not intended to be connected to a public distribution network, \$164.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

Final Actions Correction

Title of Approved ANS

ANSI/ANS 54.1-2020

The title of the approved standard ANSI/ANS 54.1-2020, "Nuclear Safety Criteria and Design Process for Liquid-Metal-Cooled Nuclear Power Plants", published in the March 27, 2020 edition of Standards Action has been changed to "Nuclear Safety Criteria and Design Process for Sodium Fast Reactor Nuclear Power Plants". Questions should be directed to Kathy Murdoch, (708) 579-8268, kmurdoch@ans.org.

ANSI Accredited Standards Developers

Reaccreditation

Dental Standards Institute (DSI)

Comment Deadline: May 4, 2020

The Dental Standards Institute (DSI), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on DSI-sponsored American National Standards, under which it was just accredited on February 28, 2020. As the current limited revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Megan Hennen, Executive Assistant, Dental Standards Institute, Inc., 109 Bushaway Road, Suite 100, Wayzata, MN 55391; phone: 763.290.0004; e-mail: megan@operadds.com. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to DSI by May 4, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompson@ANSI.org).

International Organization for Standardization (ISO)

Call for Members

New US TAG for ISO/TC 44/SC 15 on Underwater Welding

Scope of the TAG is standardization of all aspects of underwater welding including: procedure and performance qualification in wet and dry hyperbaric environments and classification of welding electrodes for underwater welding. The proposed TAG administrator is the American Welding Society (AWS).

Reply to the US TAG Secretary, Andrew Davis at adavis@aws.org.

Call for U.S. TAG Administrator

ISO/TC 5/SC 1 – Steel Tubes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 5/SC 1, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 5/SC 1 operates in the area of Steel Tubes under the scope of ISO/TC 5:

Standardization in the field of steel tubes, cast iron pipes, flexible metallic tubes and metallic fittings, flanges, pipe supports, pipe threads and gauges, metallic and organic coatings and protections.

Excluded :

- steel for tubes (ISO / TC 17);
- aircraft pipes (ISO / TC 20);
- tubes and equipment (other than flanges) pipe threads and gauging within the field of work of the petroleum and natural gas industries (ISO / TC 67);
- connections for fluid power systems (ISO / TC 131).

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/TC 17/SC 19 – Technical Delivery Conditions for Steel Tubes for Pressure Purposes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17/SC 19, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17/SC 19 operate under the following scope:

Maintenance of existing ISO Standards and preparation of new ISO Standards for technical delivery conditions for steel tubes for pressure purposes, in liaison with ISO/TC 5 and ISO/TC 11. Excluded from this area of work are all other standards for tubes whatever their use and particularly the standards related to ISO/TC 67 and the standards on tubes for transportation of water, gas and sewage.

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).

New Secretariats

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

Comment Deadline: April 27, 2020

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

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

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

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

ISO Proposal for a New Field of ISO Technical Activity

Lithium

Comment Deadline: April 3, 2020

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

Standardization in the field of lithium mining, concentration, extraction, separation and conversion to useful lithium compounds/materials (including oxides, salts, metals, master alloys, lithium-ion battery materials, etc.). The work program includes terminology, technical conditions of delivery to overcome transport difficulties, unified testing and analysis methods to improve the general quality of lithium products.

Excluded: Batteries

Note: Battery is a component and not a material, which can be directly used in electric vehicles, digital cameras, electric motorcycles, etc.

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, April 3, 2020.

Biodiversity

Comment Deadline: April 17, 2020

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

Standardization in the field of Biodiversity to develop requirements, principles, framework, guidance and supporting tools in a holistic and global approach for all relevant organizations, to enhance their contribution to Sustainable Development.

Excluded: standardization of test and measurement methods for ecological quality of water, air, soil and marine environment.

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, April 17, 2020.

Security Equipment for Financial Institutions and Commercial Organizations

Comment Deadline: April 17, 2020

BSI, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Security Equipment for Financial Institutions and Commercial Organizations, with the following scope statement:

Standardization in the field of safes, cash boxes, strong room doors and safe deposit locker cabinets, ventilation equipment for strong room used in banks, financial institutions and commercial organization etc.

The standards formulated by this technical committee deals with specification and test methods of physical security products used in banks, financial institutions, commercial organization and by jewellers.

Excluded are the fields covered by ISO/TC 68 (Financial services).

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, April 17, 2020.

Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

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

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

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

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

Information Concerning

International Electrotechnical Commission (IEC)

USNC Participants and TAG Administrator Needed

IEC/SA 8C – Network Management

IEC approved one (1) new Subcommittee: *IEC/SC 8C: Network Management*

Individuals who are interested in becoming a participant or the TAG Administrator for SC 8C: Network Management are invited to contact Adelana Gladstein at aqladstein@ansi.org as soon as possible.

Please see the scope for SC 8C below:

Scope

Standardization in the field of network management in interconnected electric power systems with different time horizons including design, planning, market integration, operation and control. SC 8C covers issues such as resilience, reliability, security, stability in transmission-level networks (generally with voltage 100kV or above) and also the impact of distribution level resources on the interconnected power system, e.g. conventional or aggregated Demand Side Resources (DSR) procured from markets.

SC 8C develops normative deliverables/guidelines/technical reports such as:

- Terms and definitions in area of network management,*
- Guidelines for network design, planning, operation, control, and market integration*
- Contingency criteria, classification, countermeasures, and controller response, as a basis of technical requirements for reliability, adequacy, security, stability and resilience analysis,*
- Functional and technical requirements for network operation management systems, stability control systems, etc.*
- Technical profiling of reserve products from DSRs for effective market integration.*
- Technical requirements of wide-area operation, such as balancing reserve sharing, emergency power wheeling.*



**BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum b to Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality

**First Public Review (February 2020)
(Draft Shows Proposed
Changes to Current Standard)**

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FOREWORD

The current definition of re-circulated air as well as Figure 3-1 are not clear on how to define air that is re-circulated inside a space without leaving it as air handled by units inside the space (e.g. chilled beams, fan coil units, ceiling fans). This proposed addendum clarifies this by removing the requirement that re-circulated air must leave the space and by updating Figure 3-1 to include air condition units that are inside the space.

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

Draft Addendum b to 62.1-2019

Modify Section 3.1 as follows:

air:

[...]

recirculated air: air removed from a space or treated within the space ~~and~~ that is reused as supply air.

Modify Figure 3-1 as shown below. Changes to the figure are circled in red.

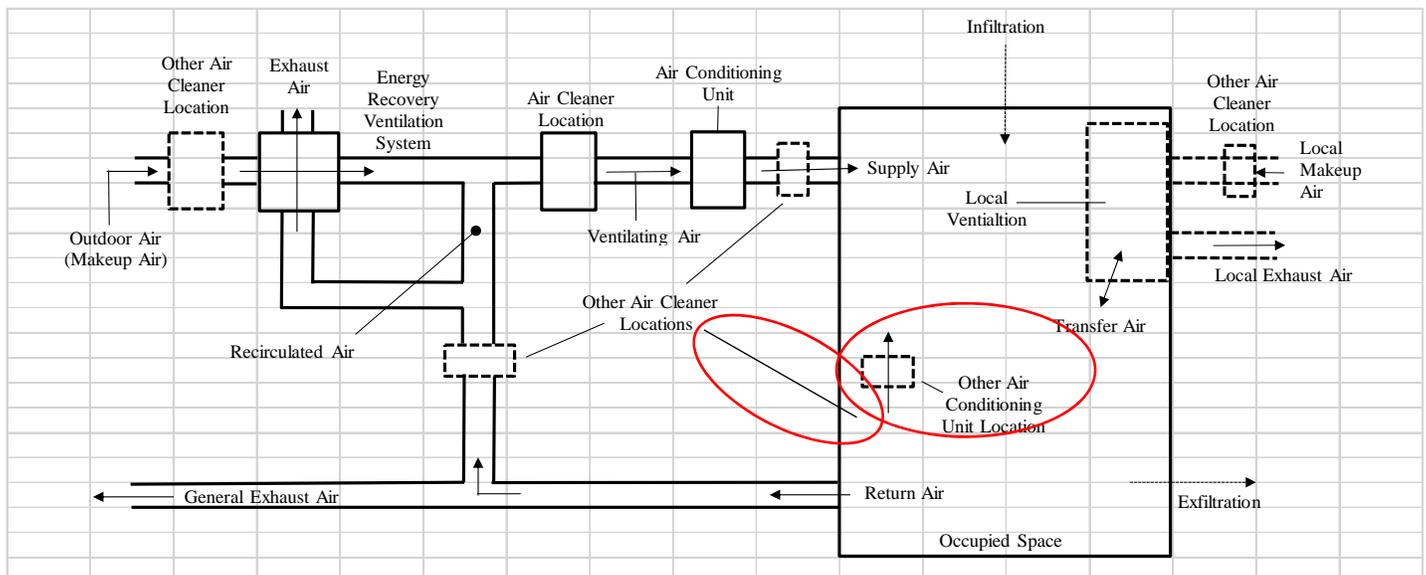


Figure 3-1 Ventilation system.



**BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum c to Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality

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

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BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
First Public Review Draft

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FOREWORD

Unresolved objectors to 62.1-2016 Addendum S noted that the definition for unusual source is unclear in distinguishing whether rarely refers to a source that is intermittent or transient within a space or if it is meant in the sense of commonality as in an object that would not be commonly found within in a space regardless of the duration of its presence. This addendum seeks to bring clarity to what the committee considers as an unusual source. The new definition makes clear that the unusual nature of a source has to do with its relationship to common items and activities within the space. For example, cooking is a common activity for a kitchen, but would be an uncommon activity for a classroom, therefore a cooking classroom would have an unusual source if categorized as a classroom, meaning additional design considerations should be taken in order to comply with the standard.

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Addendum c to 62.1-2019

Revise a definition in Section 3 as shown below. The remainder of Section 3 is unchanged.

3. DEFINITIONS (SEE FIGURE 3.1)

unusual source: an item or activity that could create or emit contaminants ~~that occurs rarely~~ not consistent with an occupancy category. (Informative Note: Contaminants consistent with an occupancy category can be found in Informative Appendix I.)



**BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 188-2018**

Public Review Draft

**Proposed Addendum b to
Standard 188-2018, Legionellosis:
Risk Management for Building
Water Systems**

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

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BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems
First Public Review Draft

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FOREWORD

This addendum addresses the definitions section of Standard 188-2018. The process of developing Guideline 12 by SSPC 188 for use with Standard 188 identified several definition changes or additions that were needed to keep the two documents consistent with one another.

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

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

3. DEFINITIONS

Informative Note: The users of this standard are expected to range from experienced professionals to those with no experience in managing the risk of legionellosis associated with building water systems. To effectively communicate with all users, the definitions of terms, abbreviations, and acronyms in this section are intended to be concise and are defined in the context of their use in this standard. Terms that are not defined are intended to have their ordinarily accepted meanings, within the context in which they are used, based on the Standard American English language usage as found in an unabridged dictionary.

[...]

building water systems: potable hot and cold water systems and nonpotable water systems in the building or on the site.

[...]

control limit: a maximum value, a minimum value, or a range of values ~~of~~ to which a chemical or physical parameter associated with a control measure ~~that are~~ is monitored and maintained in order to reduce the occurrence of a hazardous condition to an acceptable level.

[...]

control measure: ~~a disinfectant~~ the disinfection, heating, cooling, filtering, flushing, or other means, ~~methods, or procedures used~~ to maintain the physical or chemical conditions of water to within control limits.

[...]

disinfectant: chemical agent or physical treatments used to kill or inactivate ~~pathogens~~ microorganisms.

[...]

disinfection: the process of killing or inactivating ~~pathogens~~ microorganisms.

hazard: *Legionella* bacteria in a building water system that, in the absence of control, ~~has the potential to~~ can cause harm to humans.

[...]

immunocompromised: a condition describing an individual who has increased susceptibility to infections due to

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems

First Public Review Draft

existing human disease or condition, medication regimens, or other types of medical treatment. (See *at-risk*.)

Legionella: ~~the name of the genus of bacteria that was subsequently identified as the causative pathogen associated with the 1976 outbreak of disease at the American Legion convention in Philadelphia. *Legionella* are common aquatic bacteria found in natural and building water systems, as well as in some soils. This genus of bacteria can cause a pneumonia called Legionnaires' disease or a flu-like illness called Pontiac fever when inhaled, aspirated, or directly introduced into the lungs of susceptible individuals.~~

[...]

nonpotable: water not intended for human consumption, such as water not intended for drinking, bathing, showering, hand washing, teeth brushing, food preparation, dishwashing, and maintaining oral hygiene.

potable water system: a building water distribution system that provides hot or cold water intended for human consumption, such as water intended for drinking, bathing, showering, hand washing, teeth brushing, food preparation, dishwashing, and maintaining oral hygiene.



**BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 188-2018**

Public Review Draft

**Proposed Addendum c to
Standard 188-2018, Legionellosis:
Risk Management for Building
Water Systems**

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

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BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems
First Public Review Draft

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FOREWORD

This addendum deals primarily with changes to Standard 188-2018 that were identified during the process by SSPC 188 of developing Guideline 12 to be used with Standard 188. The changes include clarifying language, and maintaining consistency between the two documents.

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

Modify Section 5 as shown. The remainder of Section 5 is unchanged.

5. BUILDING SURVEY

[...]

5.2 The building shall be surveyed to determine whether ~~it~~ the building is characterized by one or more of the following factors that relate to legionellosis:

[...]

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

7. REQUIREMENTS FOR BUILDING WATER SYSTEMS

[...]

7.2.1 Equipment Siting. Prior to the beginning of construction of new or replacement open-circuit cooling towers, closed-circuit cooling towers, or evaporative condensers, construction documents shall be reviewed and the following items shall be addressed:

- a. Potential for contamination from building systems or other sources, ~~facility processes to be drawn into the equipment~~
- b. Potential for ~~equipment~~ aerosol discharge into occupied spaces, trafficable areas, pedestrian thoroughfares, outdoor air intakes, and building openings,
- c. ~~Potential for equipment siting that inhibits a~~ Access to the ~~conduct~~ equipment for the required-maintenance and inspection consistent with ~~following~~ the manufacturer's instructions, and guidelines
- d. Potential for heat from sources that are not part of the cooling system design heat load, increasing system water temperature, that can increase the risk for Legionella growth, and
- e. Potential for increased cooling system temperatures resulting from external airflow restrictions or obstructions that can increase the risk for Legionella growth.

[...]

7.3.3.1 Cartridge ~~(and Canister)~~ Filters. The Program documents shall include procedures and schedules for inspection and replacement of cartridge and canister-type filters, pressure gauges, valves, and related equipment.

[...]

- 7.4.1 Equipment Siting.** Prior to beginning construction of a new or replacement ornamental fountain or other water feature, construction documents shall be reviewed and the following items shall be addressed:

[...]

- 7.5.1 Equipment Siting.** Prior to beginning construction or installation of new or replacement aerosol-generating misters, atomizers, air washers, or humidifiers, construction documents shall be reviewed and the following items shall be addressed:

- a. The potential for contamination from building systems, facility processes, or other sources
- b. Access to ~~pumps, filters, and treatment~~ conduct equipment for maintenance and inspection following the manufacturer's instructions, and
- c. The potential for external heat sources and reduced airflow that cause water temperatures favorable to the growth of *Legionella*

[...]

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

8. REQUIREMENTS FOR DESIGNING BUILDING WATER SYSTEMS

[...]

8.2 ~~Final Installation~~ As-Built/Record Documents

- 8.2.1** Upon completion of the construction, as-built/record ~~Drawings and documents of for the building water systems of new construction, renovation, refurbishment, replacement, or repurposing of a facility—actual installation~~ shall be provided to the building owner or designee and shall include:

[...]

- 8.4 Commissioning.** Instructions for commissioning of all building water systems shall be provided to the building owner or designee. Commissioning shall include the following:

- a. Procedures for flushing and disinfection
 1. Procedures shall meet the requirements of AWWA C651² or AWWA C652³ or comply with all applicable national, regional, and local regulations.
 2. Disinfection and flushing shall be completed ~~within no more than three weeks before~~ prior to whole or partial beneficial occupancy.



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

Public Review Draft

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

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

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BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
First Public Review Draft

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FOREWORD

This addendum adds the zeotropic refrigerant blend R-471A to Tables 4-2 and D-2.

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Addendum h to Standard 34-2019

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 471A

Composition (Mass %) = R-1234ze(E)/227ea/1366mzz(E) (78.7/4.3/17.0)

Composition tolerances = +0.4, -1.5/+1.5, -0.4/+1.5, -0.4

OEL = 710 ppm v/v

Safety Group = A1

RCL = 31,000 ppm v/v; 9.7 lb/Mcf; 160 g/m³

Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 471A

Composition (Mass %) = R-1234ze(E)/227ea/1366mzz(E) (78.7/4.3/17.0)

Average Relative Molar Mass = 122.1 g/mol

Bubble Point (°F) = 1.5

Dew Point (°F) = 7.2

Bubble Point (°C) = -16.9

Dew Point (°C) = -13.8



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

Public Review Draft

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

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

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BSR/ASHRAE Addendum j to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
 First Public Review Draft

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FOREWORD

This addendum provides additional flexibility in designating refrigerants, to avoid potential confusion with other refrigerant designating bodies.

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Addendum j to Standard 34-2019

Modify Section 4.4.1 as follows.

- 4.4.1 Designation.** Zeotropic blends shall be assigned an identifying number in the 400 series. Azeotropes shall be assigned an identifying number in the 500 series. To differentiate among blends having the same components with different proportions (% m/m), an uppercase letter shall be added as a suffix ~~in serial order of assignment~~. An example of a zeotrope would be R-401A, and an example of an azeotrope would be R-508A.

Informative Note: Refrigerant numbers and suffixes are preferably assigned in serial order. Refrigerant numbers and suffixes can be skipped to avoid confusion with other refrigerant designating standards.

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NSF/ANSI Standard

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

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

-
-
-

15 Ultraviolet (UV) light process equipment

-
-
-

15.18 UV *Cryptosporidium* inactivation and dose determination

Manufacturers of UV systems with a claim to inactivate cysts (such as *Cryptosporidium*, *Giardia*, etc.) shall demonstrate a minimum 3 log (99.9%) or greater inactivation of *C. parvum* in a single pass.

NOTE — Operators of spray parks, spray pads, or interactive water features with no standing water should consider greater inactivation performance of 4 log (99.99%). The local public health authority may select different levels of log inactivation or power delivery for different applications such as competition lap pools, spas, wave pools, wading pools, etc.

15.18.1 Sample selection

When validating a range of aquatic or recreational water use UV systems for inactivation of cysts such as *C. parvum*, each of the following variables shall be used to determine which UV reactor / systems and components shall be tested within the range of product. Select at least two worst case models from the range of products based upon all of the following variables.

- test the unit representative of the worst-case reactor hydraulics and UV dose delivery as determined by computational fluid dynamics modeling, including intensity and flow modeling;
- test the unit with the lowest power to highest flow rate;
- test one unit of each configuration (if family range contains U and S reactors, test each);
- test one unit of each UV lamp type (if alternate lamp types or suppliers, test each); or

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— In the case where the UV system utilizes low pressure (LP) lamps, it is sufficient to provide a data sheet of the lamp that includes the expected lamp life. In addition, the following characteristics of the lamp must be the same:

- lamp length, the length of the lamp from base face to base face, +/- 0.5 in.
- the arc length, the lit length, +/- 0.5 in.
- the diameter, +/- 10%
- the quartz material, fused silica, synthetic quartz, deep UV blocking
- electrode current, +/- 0.2 A
- lamp wattage, +/- 5 W
- output, 185/254 nm or 254 nm
- mercury source, elemental, spot amalgam, pocket amalgam, and
- connections, single ended, double ended

— test one unit of each UV sensor type (if alternate UV sensor types or suppliers, test each).

NOTE — The above variables require that multiple UV systems are tested in order to validate a range of products.

15.18.2 Testing

Products shall be tested to confirm single pass inactivation equivalent to 3 log (99.9%) or greater of *C. parvum* in accordance with NSF/EPA ETV – *Generic Protocol for Development of Test / Quality Assurance Plans for Ultraviolet (UV) Reactors*.^{Error! Bookmark not defined.} Only full stream testing shall be acceptable, there shall be no partial or side stream treatment testing.

The manufacturer of a reactor validated for performance under one of the following protocols shall submit details of the testing for evaluation and validation:

- US EPA UV DGM;²⁰
- DVGW, W-294 Parts 1-3;¹³ or
- ÖNORM, 5873 1 and 2.⁸

Validation of a range of reactors with pre-existing test data shall include testing of at least one (1) unit at one (1) set point to evaluate for potential changes in design, suppliers and corroborate previous data.

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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3 General requirements

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3.9 Product security

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3.9.3 Security requirements for bulk shipments and large reusable containers (totes)

Drinking water treatment chemicals shipped in bulk¹ shall be secured during storage and distribution by employing one or more of the following security measures (see Sections 3.9.3.1, 3.9.3.2, and 3.9.3.3). These requirements are applicable to a single load delivered to one or to multiple locations². This requirement applies to railcar chemical deliveries that are direct to drinking water utilities, or to other end users involved in the addition of the delivered chemical to drinking water, and to truck deliveries whether to a single destination or by milk run deliveries.

3.9.3.1 Tamper-evident seals.

Containers used for bulk shipments shall have tamper protection provided at all openings capable of loading or unloading chemicals. Vents shall have tamper protection provided, unless they are protected by construction that makes them incapable of receiving chemicals. Bulk containers may be sealed with a uniquely numbered, nonreusable tamper-evident seal, or a tamper-evident seal which contains a unique company identifier or logo, on each opening in the container. If tamper-evident seals are used, the seals shall remain in place until removed at the point of delivery. Seal numbers, or the unique company identifier or logo, shall be recorded and disclosed on shipping documents provided to the purchaser at the time of delivery and kept available for review by the certification body. If tamper-evident seals are used in milk run deliveries, a new seal shall be applied after each partial off-loading and noted in the consignment records after each partial delivery.

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¹ The term “bulk” is used for shipments being transported in a container having a volume of more than 1,000 L and applies to containers holding solid, liquid, and gaseous products. Such containers can be multi-modal containers, tank trucks, or tank cars appropriate to the physical characteristics of the product being transported.

² Multiple destination shipments are referred to as “milk run deliveries”.

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Rationale: Clarified the requirements for application of tamper evident seals, specifically for railcars and tank trucks, per 2019 DWA-TC JC meeting discussion (Dec. 4, 2019).

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NSF/ANSI Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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Coagulation and flocculation chemicals

Table 4.1
Coagulation and flocculation products – Product identification and evaluation

Chemical type (description)	Synonyms	Formula (CAS number)	Approximate molecular weight	Preparation Method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
acrylamide / acrylic acid copolymer ³ (polyelectrolytes)	—	(31212-13-2)	4 to 30 million	—	1.0 ⁴	acrylamide, acrylic acid, acrylonitrile, 3-hydroxypropane nitrile, isobutane nitrile
polyaluminum silicate sulfate (metal salt coagulant)	PASS, aluminum hydroxide sulfate	(53810-32-5)	variable	Method K, Annex N-1, Section N-1.3.12	— / 26.8 ⁷	metals ⁵ , base / neutral scan ⁶
poly (epichlorohydrin / dimethylamine) (polyamines) (polyelectrolytes)	EPI/DMA, polyamine	(25988-97-0) or (42751-79-1)	30 thousand to 3 million	—	10.0 ¹⁰	epichlorohydrin, 1,3-dichloro-2-propanol, 1,2-dichloro-3-propanol, 3-chloro-1,2-propanediol

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Table 4.1
Coagulation and flocculation products – Product identification and evaluation

Chemical type (description)	Synonyms	Formula (CAS number)	Approximate molecular weight	Preparation Method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
						glycidol, dimethylamine, ethylenediamine (if used as a branching agent)
polyethyleneamines (polyelectrolytes)	—	(26913-06-4)	25 thousand to 1 million	—	10.0 ¹¹	ethylene dichloride, ethylene diamine, epichlorohydrin, glycidol, 1,3-dichloro-2-propanol, 1,2-dichloro-3-propanol
resin amines (polyelectrolytes)	melamine / formaldehyde polymer	(9003-08-1)	10 thousand minimum	—	10.0 ¹¹	melamine, formaldehyde
sodium aluminate (metal salt coagulant)	aluminum sodium oxide	Na ₂ Al ₂ O ₄ (1302-42-7)	163.94	Method K, Annex N-1, Section N-1.3.12	43 / 26.8 ⁷	metals ⁵ , base / neutral scan ⁶
sodium silicate ¹² (coagulant)	activated silica	Na ₂ O(SiO ₂) _n typically n = 3 (1344-09-8)	122 @ n = 1	Method A, Annex N-1, Section N-1.3.2	7.8	metals ⁵
starch, anionic (coagulant)	starch, base-hydrolyzed	(68412-33-9)	—	—	10	metals ⁵

¹ The typical use level is an application level which has been used historically in water treatment. The typical use level is not the maximum use level (MUL) for the product unless specifically stated.

² Analysis for all chemistry-specific analytes in these minimum test batteries shall be performed each time the product is evaluated. Analysis shall also include formulation-dependent analytes as identified during formulation review. Testing for specific repackages, blends, or dilutions of previously certified products may be waived.

³ If nitrogen-containing initiators are used in these chemical types, evaluation shall include analysis for the initiator and any initiator by-products.

⁴ The typical use level for this product is based on an acrylamide polymer application of 1 mg/L and an acrylamide monomer level of 0.05% in the polymer, or equivalent (40 CFR § 141.111) for a carryover of not more than 0.5 ppb of acrylamide monomer into the finished water.

⁵ Metals = antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium

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Table 4.1
Coagulation and flocculation products – Product identification and evaluation

Chemical type (description)	Synonyms	Formula (CAS number)	Approximate molecular weight	Preparation Method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
<p>⁶ A GC/MS analysis shall also be performed on this chemical type when recycled materials are used in the manufacturing process.</p> <p>⁷ The first value is the typical use level as indicated by the chemical formula. The second value is the typical use level as aluminum oxide for the aluminum salts (aluminum chloride, aluminum sulfate, polyaluminum chloride, and sodium aluminate).</p> <p>⁸ The first value is the typical use level as indicated by the chemical formula. The second value is the typical use level as Fe for the iron salts (ferric chloride, ferric sulfate, ferrous chloride, and ferrous sulfate).</p> <p>⁹ The typical use level for this product is based on a polyDADMAC polymer application of 25 mg/L and a carryover of not more than 50 ppb of DADMAC into the finished water.</p> <p>¹⁰ The typical use level for this product is based on a EPI/DMA polymer application of 10 mg/L and a epichlorohydrin monomer level of 0.01% in the polymer, or equivalent (40 CFR § 141.111) for a carryover of not more than 1 ppb of epichlorohydrin monomer into the finished water.</p> <p>¹¹ The typical use level of this product is expressed as mg/L of active polymer in the product as sold.</p> <p>¹² Sodium silicate may be used in conjunction with an acid-forming substance to produce activated silica. The net concentrations of sodium silicate and acid-forming substance are not to exceed the MULs for these chemicals individually.</p>						

Rationale: 3-chloro-1,2-propanediol added to minimum test battery for epichlorohydrin per 2019 DWA-TC JC meeting discussion (December 4, 2019).

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NSF/ANSI/CAN Standard for Drinking Water Additives –

Drinking Water System Components – Health Effects

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9 Mechanical plumbing devices

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9.2 Definitions

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9.2.x consumer-facing: The manner in which a product label feature is experienced, directed or seen by a customer.

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9.5.1 Evaluation of lead

For endpoint devices other than commercial kitchen devices, supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed 5 µg when normalized for the 1 L (0.26 gal) first draw sample. For commercial kitchen devices, the lead test statistic Q shall not exceed 5 µg when normalized for the 18.9 L (5 gal) first draw sample. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed 3 µg when normalized for the 1 L (0.26 gal) first draw sample.

For kitchen faucets that have been exposed simultaneously with the side spray component, the lead test statistic Q value for the entire assembly shall not exceed 5 µg. When the kitchen faucet and the side spray component have been exposed separately, the lead test statistic Q value for the faucet and side spray shall be added and shall not exceed 5 µg.

9.5.1.1 Optional lower lead requirements

The following are optional evaluation criteria available for endpoint devices to demonstrate compliance with a lower lead leaching criteria. Product shall also comply with the full requirements of NSF/ANSI/CAN 61 to be deemed compliant to this Section.

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9.5.1.1.1 Evaluation requirements

For endpoint devices other than supply stops, flexible plumbing connectors, and miscellaneous components, the test statistics Q or R calculated in accordance with N-1.8.9 shall not exceed 1 µg. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed 0.5 µg.

9.5.1.1.2 Product labeling requirements

Attested compliance of product to the lower lead leaching criteria of this Section shall be noted in the certification listing. Consumer-facing product packaging or labeling shall also indicate this compliance by identifying the standard and Q level attested according to Section 9.5.1.1.1 [e.g. “NSF/ANSI/CAN 61: $Q \leq 1$ ” or “NSF/ANSI/CAN 61: $Q \geq 0.5$ ”]

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Note: The following is written as an informative annex including the revisions due NSF/ANSI/CAN 61 at the close of the implementation period (January 1, 2024). The text assumes that the proposed revision above has been adopted.

Informative Annex 7¹

Revisions to the evaluation of lead

I-7.1 Background

At the 2017 annual meeting of the Joint Committee on Drinking Water Additives -Systems Components, the issue was raised that many states and cities are now conducting aggressive monitoring programs for lead in schools and day care centers. The EPA and CDC have determined that no amount level of lead is acceptable. The American Academy of Pediatrics has called for regulations limiting exposure of lead in drinking water for schools and day care centers to no more than 1 part per billion. However, most school monitoring is done using the EPA 3Ts program guidance, which uses 250 mL first draw samples, not 1 L as is used by the Lead and Copper rule. This has been the basis for the Q value used for NSF/ANSI 61 Section 9, after normalization to 1 L. A task group was formed to investigate implementing a special higher-stringency certification level for products to be used in schools, day care centers, and for consumers desiring the additional level of protection. The task group considered the following approaches: a lower Q value, an additional requirement for the average lead release of test samples Day 3, or both. In 2018 a second task group was formed to develop proposed criteria for the option they decided to pursue.

After an initial ballot was proposed for the new, optional requirement, concerns were raised over actions that have been initiated by the state of California and possibly others to mandate a lower Q value. At the 2019 Joint Committee meeting, members concurred that the committee should take a proactive approach to make this optional requirement mandatory after a transition period to allow manufacturers sufficient time to comply.

NOTE — Due to the significant impact of these changes, the Joint Committee on Drinking Water Additives – System Components established an extended effective date for the current optional requirement to become

¹ The information contained in this Annex has been processed in accordance with ANSI and SCC requirements for public review and consensus ballot. The requirements were approved by the Joint Committee on Drinking Water Additives- Systems Components for inclusion in the Standard as normative requirements effective January 1, 2024.

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mandatory. The 01/01/2024 effective date was selected provide manufacturers a reasonable time to reengineer products to meet the new requirements, to have them tested, and to make them available in the marketplace. Manufacturers and certifiers are encouraged to actively pursue conformance to the new requirement prior to 01/01/2024.

I-7.2 Incorporation of revisions into standard

The optional requirements in for lower lead leaching shall be removed and the revisions in this Annex shall be incorporated into the body of this Standard on January 1, 2024. This date is based on the date of product manufacture.

1-7.3 Revisions

9.5.1 Evaluation of lead

For endpoint devices other than commercial kitchen devices, supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed $5 \mu\text{g}$ when normalized for the 1 L (0.26 gal) first draw sample. For commercial kitchen devices, the lead test statistic Q shall not exceed $5 \mu\text{g}$ when normalized for the 18.9 L (5 gal) first draw sample. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed $3 \mu\text{g}$ when normalized for the 1 L (0.26 gal) first draw sample.

For kitchen faucets that have been exposed simultaneously with the side spray component, the lead test statistic Q value for the entire assembly shall not exceed $5 \mu\text{g}$. When the kitchen faucet and the side spray component have been exposed separately, the lead test statistic Q value for the faucet and side spray shall be added and shall not exceed $5 \mu\text{g}$.

9.5.1.1 ~~Optional lower lead requirements~~

~~The following are optional evaluation criteria available for endpoint devices to demonstrate compliance with a lower lead leaching criteria. Products shall also comply with the full requirements of NSF/ANSI/CAN 61 in order to be deemed compliant to this Section.~~

9.5.1.1 Evaluation requirements

~~For endpoint devices other than supply stops, flexible plumbing connectors, and miscellaneous components, the test statistics Q or R calculated in accordance with N-1.8.9 shall not exceed $1 \mu\text{g}$. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic Q shall not exceed $0.5 \mu\text{g}$.~~

9.5.1.2 ~~9.5.1.1~~ Product labeling requirements

Attested compliance of product to the lower lead leaching criteria of this Section Standard shall be noted in the certification listing. Consumer-facing product packaging or labeling shall also indicate this compliance by identifying the standard and Q level attested according to Section 9.5.1.1.1 [e.g. "NSF/ANSI/CAN 61: $Q \leq 1$ " or "NSF/ANSI/CAN 61: $Q \leq 0.5$ "]

Rationale: As product can remain in the marketplace for extended periods of time, the marking requirements in this section need to be maintained to enable differentiation between product meeting these requirements versus those in an earlier version of the standard and a higher Q

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criteria. When the NSF 61 Joint Committee has determined that sufficient time has passed and this labeling requirement for the Q is no longer warranted the ballot process can be followed to pursue its removal.

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N-1.8.9.3 Initial test statistic

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For end-point devices other than supply stops, flexible plumbing connectors, and miscellaneous components:

- case I: If $Q \leq 5.1 \mu\text{g}$, the product line has tested as acceptable; or
- case II: If $Q > 5.1 \mu\text{g}$, the product line has tested as unacceptable.

For supply stops, flexible plumbing connectors, and miscellaneous components:

- case I: If $Q \leq 3.05 \mu\text{g}$, the product line has tested as acceptable; or
- case II: If $Q > 3.05 \mu\text{g}$, the product line has tested as unacceptable.

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N-1.8.9.4 Retest statistic

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- case I: If $R \leq 5.1 \mu\text{g}$, the product line has tested as acceptable; or
- case II: If $R > 5.1 \mu\text{g}$, the product line has tested as unacceptable.

For supply stops, flexible plumbing connectors, and miscellaneous components:

- case I: If $R \leq 3.05 \mu\text{g}$, the product line has tested as acceptable; or
- case II: If $R > 3.05 \mu\text{g}$, the product line has tested as unacceptable.

BSR/UL 817, Standard for Safety for Cord Sets and Power Supply Cords

PROPOSALS

1. Addition of Integral Latching Mechanisms on Cord Connectors, Revised 5.9, 8.7, 8.7.2,

5.8A CORD CONNECTOR, MANUALLY- OR SPRING-ACTIVATED LATCHING TYPE - A cord connector intended for use with extension cord sets of the 1-15R, 5-15R, 5-20R, 6-15R, or 6-20R configurations, employing integral means intended to retain a mating configuration attachment plug. See 8.7.

5.9 CORD RESTRAINT DEVICE - A device provided with retention means intended to reduce the likelihood of an attachment plug becoming unintentionally detached from a mating cord connector of a cord set or any outlet device. This is permitted to be a separate add-on device or integral to the cord connector. device is not an integral or permanently attached component of a cord set or outlet device, but rather is a separate add-on device. A cord connector with a manual or spring-activated latching mechanism is not considered a cord restraint device. See 5.8A.

8.7 Manually- or ~~S~~spring-activated latching cord connectors

8.7.2 A cord connector with a manual or spring-activated latching mechanism shall be subjected to the applicable tests in Tests for Cord Connectors, Section 14, with the mechanism in place and defeated. In addition, a cord connector provided with a manual or spring-activated latching mechanism shall be subjected to the Latching Mechanism Tests, Section 19B.

8.7.3 A spring employed in a cord connector with a manual or spring-activated latching mechanism shall be copper or copper alloy, of a corrosion-resistant steel (stainless), or protected against corrosion by metallic plating or other metal coating.

9.11.3 Cord restraint devices not employing a latching mechanism, other than those employing a latching mechanism, shall not be integral with or permanently attached to a cord set or outlet device, but are considered separate add-on devices. A cord connector employing a manual or spring-activated latching mechanism. Cord restraint devices employing a latching mechanism are permitted to be integral with the cord connector and shall comply with the requirements as described in Manually- or spring-activated latching cord connectors, 8.7.

19B Latching Mechanism Tests

19B.2 Cycling test

19B.2.2 Each of six previously untested devices is to be tested. A mating attachment plug having rigidly mounted solid blades and standard detent holes shall be inserted and fully seated into the outlet of the device under test. For devices with the 1-15R, 5-15R, 5-20R, 6-15R, or 6-20R configurations, the The mating plugs shall have the configurations specified in Table 19B.1. The latching mechanism is to be activated to lock the plug in place. The locking means is then to be de-activated to release the plug and the plug is to be withdrawn from the outlet. This sequence is to be repeated for a total of 1000 cycles.

Table 19B.1

Mating plug configurations for cycling testing

Device under test	Mating plug	Number of devices tested
1-15R	1-15P	6
5-15R	1-15P	6
5-20R ^a	<u>5-15P</u>	<u>3</u>
	5-20P	3
6-15R	6-15P	6
6-20R ^a	<u>6-15P</u>	<u>3</u>
	6-20P	3

^aIf the construction will accept and latch both the 15 A and 20 A configurations, then 3 units of each shall be tested. If the construction will accept or latch only 20 A configuration, then 6 units of each shall be tested.

19B.2.3 A mating attachment plug employing folded blades with standard detent holes is then to be inserted and fully seated in the outlet of each device tested to 19B.2.2. The latching mechanism is to be actuated to lock the plug in place. A static 20 lbf (89 N) ~~30 lbf (133 N)~~ is to be applied to the plug for 1 minute in a direction perpendicular to the plane of the face of the outlet.

19B.3 Pull test

19B.3.1 After completion of this test:

- a) There shall not be any damage to the cord connectors or the blades of the attachment plugs or other evidence of increased risk of injury or electric shock;
- b) The latching means shall remain functional;
- c) There shall not be any loosening of the plug blades nor displacement of the plug blades at the attachment plug face exceeding 2.4 mm (3/32 in), nor compression of the folded blades to less than 1.40 mm (0.055 in);
- d) The attachment plug shall be capable of being inserted into a standard mating receptacle. There shall not be any damage, arcing, or dielectric breakdown during application of the test potential; and
- e) There shall not be any damage, arcing, or dielectric breakdown during application of the test potential.

19B.3.2 Previously untested devices and mating plugs are to be used. With the device firmly secured in place, a mating attachment plug is to be inserted into the device and the latching mechanism activated to lock the plug in place. The mating plugs are to have the configurations shown in Table 19B.2. Three devices are to be tested using attachment plugs with rigidly mounted solid blades with standard detent holes. Three devices are to be tested using attachment plugs with folded blades and standard detent holes. A static ~~30 lbf (133 N)~~ 20 lbf (89 N) is to be applied to the plug for 1 minute in a direction perpendicular to the plane of the face of the cord connector which tends to remove the plug from the cord connector. The force is then to be removed from the plug and the latching mechanism de-activated to release the plug, and the

plug removed from the cord connector. This is to be repeated for a total of 50 cycles. ~~Three devices are to be tested using attachment plugs with rigidly mounted solid blades with standard detent holes. Three devices are to be tested using attachment plugs with folded blades and standard detent holes.~~

Table 19B.2

Mating plug configurations for pull testing

Device under test	Mating plug	Number of devices tested
1-15R	1-15P	6
5-15R	1-15P	6
5-20R ^a	<u>5-15P</u>	<u>3</u>
	5-20P	3
6-15R	6-15P	6
6-20R ^a	<u>6-15P</u>	<u>3</u>
	6-20P	3
<u>^aIf the construction will accept and latch both the 15 A and 20 A configurations, then 3 units of each shall be tested. If the construction will accept or latch only 20 A configuration, then 6 units of each shall be tested.</u>		

20.8 A cord connector provided with a manually- or spring-actuated latching mechanism that is part of an extension cord set in accordance with Manually- or Spring-activated latching cord connectors, 8.7, shall be marked with a statement instructing the user how to disengage the latching mechanism so that a mated attachment plug can be removed from the cord connector. The marking shall be within 50.8 mm (2 in) of the cord connector body.

BSR/UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1. Proposal for Alternate Test Specimen Size at Thickness Below 0.4 mm for Vertical Burn Test

8.3.2 Standard bar specimens are to be 125 ± 5 mm long by 13.0 ± 0.5 mm wide, in accordance with Table 8.3 and provided in the minimum and maximum thicknesses. The minimum thickness shall be limited to 0.025 mm, except as indicated in 8.1.2. The maximum thickness is not to exceed 13 mm. Specimens in intermediate thicknesses are also to be provided and shall be tested if the results obtained on the minimum or maximum thickness indicate inconsistent test results. Intermediate thicknesses are not to exceed increments of 3.2 mm. Also, the edges are to be smooth, and the radius on the corners is not to exceed 1.3 mm. Table 8.3 provides the test specimen size allowed to be used for the 50 W (20 mm) Vertical Burning Test.

Table 8.3

UL94-VB Test specimen size

Test specimen nominal thickness	UL 94-flame bar size (Length x Width) in mm
> 0.40 mm, equal or less than 13 mm	Standard (125 mm ± 5 mm x 13.0 mm ± 0.5 mm)
> 0.025 mm, equal or less than 0.40 mm	Standard; or Small = (67 mm to 125 mm) x (7.0 mm to 13 mm)

8.3.2.1 Small bar specimens are to be in accordance with Table 8.3. The choice of the small specimen size depends on the material flow-ability at thickness below nominal thickness 0.40 mm.

2. Revision of Paragraph 7.1.3 for Testing Thicknesses Less Than 3.0 mm

7.1.3 A material classified HB in the 3.0 ± 0.2 mm thickness shall automatically be classed HB down to a 1.5 mm minimum thickness without additional testing. A material not exceeding the 75mm/min burning rate tested at any thickness less than 3.0 mm is to be classed HB at the thickness tested (the minimum thickness) and up to a maximum of 2.99 mm without testing additional specimens within this range.

7.1.4 A material not exceeding the 75 mm/min burning rate tested at any thickness less than 3.0 mm is to be classed HB at the thickness tested (the minimum thickness) and up to a maximum of 2.99 mm without testing additional specimens within this range. However, if the burning rate cannot be determined when tested at a thickness $t < 3.0$ mm as a result of the material ceasing to burn before the 100 mm reference mark, the HB rating shall be restricted to a thickness of up to " $t + 10\%$ "

7.1.4 7.1.5 If only one specimen from a set of three specimens does not comply with the requirements, another set of three specimens is to be tested. All specimens from this second set shall comply with the requirements in order for the material in that thickness to be classified HB.

BSR/UL 101, Standard for Safety for Leakage Current for Appliances

1. Proposed Revision To The Scope To Specify That The Standard Applies To Household Utilization Equipment Only

2.1 This standard applies to cord- and plug-connected household ~~and similar~~ utilization equipment (see ~~Definitions, Section 3~~) typically rated 20 A or less, nominal 50 or 60 Hz, having 3-wire (including equipment grounding conductor) or 2-wire cords, and intended for use on supply circuits not exceeding 300 V to ground.

~~NOTE: The scope statement in 2.1 does not exclude utilization equipment currently rated higher than 20 A or voltage rated higher than 300 V from referencing this standard.~~

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BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

1. Inclusion of Glow-Wire Test (GWIT) into Section 9.9 for Polymer Variation Evaluation

9.9.2 Table 9.1 indicates the properties that are to be considered leading indicators when evaluating polymer variations. Depending on the results of side-by-side testing based on the test program shown in Table 9.2, the following scenarios may be obtained:

a) Comparable results:

All ratings from the original formulation may be extended to the variation. The variation evaluated can be used with either the same or a new designation.

b) Better results:

All ratings from the original formulation may be extended to the variation. The variation evaluated can be only used under a new designation.

Exception: In cases where testing of a polymer variation shows better results, the material may retain the same designation and be assigned better ratings if both of the following conditions are met:

1) Full side by side testing of all critical properties is conducted in accordance with Program Code C of Table 9.2, and

2) None of the other tested properties are adversely affected.

c) Not all results are comparable and there is no indication for Code D in Table 9.1:

With the exception of relative thermal indices (RTI), no rating shall be extended to the variation unless determined through direct testing. The variation evaluated can be only used under a new designation.

d) Not all results are comparable and there is an indication for Code D in Table 9.1:

No rating shall be extended to the variation unless determined through direct testing. The variation evaluated can be only used under a new designation.

Results are considered comparable if:

1. The PLC ratings (for the applicable tests) are the same or the test result of the Polymer Variation is within $\pm 10\%$ of the test result obtained for the original formulation.
2. The UL 94 flammability ratings are the same, and
3. The UL 746B RTI values based on LTTA testing, if applicable, comply with Section 19 of UL 746B for related materials.

Exception No. 1: Regarding Item 1, for Tensile/Flexural/Impact strength, the test result of the Polymer Variation is within $\pm 15\%$ of the test result obtained for the original formulation. For Glow-Wire Ignition Temperature (GWIT), the test result of the Polymer Variation is not more than 25°C (77°F) up to 900°C (1652°F) and not more than 30°C (86°F) between 900°C – 960°C (1652°F – 1760°F).

~~*Exception No. 2: Regarding Item 2, for Glow-Wire Ignition Temperature (GWIT), the test result of the Polymer variation is not more than 25°C (77°F) up to 900°C (1652°F) and not more than 30°C (86°F) between 900°C – 960°C (1652°F – 1760°F).*~~