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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: October 13, 2019

NSF (NSF International)

Revision

BSR/NSF/CAN 50-201x (i159r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision and redesignation of ANSI/NSF 50-2017)

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

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 12402-4-201X, Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 - Safety requirements (national adoption with modifications of ISO 12402-4)

UL proposes a recirculation to the UL 12402-4 ballot dated 03-22-19.

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

Send comments (with optional copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.A.Weeks@ul.org

BSR/UL 60079-1-201X, Standard for Safety for Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures "d" (national adoption of IEC 60079-1 with modifications and revision of ANSI/UL 60079-1-2015)

This proposal is for a revision to 13.6.5 to include US difference for Level of Protection "db" plugs and sockets limited to EPL Gc.

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

Send comments (with optional copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.org

BSR/UL 61010-2-034-201X, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-034: Particular Requirements for Measurement Equipment for Insulation Resistance and Test Equipment for Electric Strength (national adoption with modifications of IEC 61010-2-034)

(1) This proposal provides a revision to delete proposed new 3.3DV provided in the July 12, 2019 proposal document based on the responses to comments received.

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

Send comments (with optional copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2900-2-3-201x, Standard for Safety for Software Cybersecurity for Network-Connectable Products - Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems (new standard)

This proposed First Edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems, UL 2900-2-3, applies to the evaluation of security and life safety signaling system components including, but not limited to, alarm control units; intrusion detection equipment; general-purpose signaling units; digital video equipment and systems; mass notification and emergency communication/evacuation equipment and systems; control servers; alarm automation system software; alarm receiving equipment; anti-theft equipment; automated teller machines; fire-alarm control systems; network connected locking devices; PSIM systems; smoke control systems; smoke/gas/CO detection devices; audible and visual signaling devices (fire and general signaling); access control equipment and systems; and smart locks.

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

Send comments (with optional copy to psa@ansi.org) to: Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 174-201x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2019)

The following topic is being proposed: (1) Addition of reference to 62368-1 as an alternative to UL 60950-1.

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

Send comments (with optional copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.org

BSR/UL 746A-201x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2019)

This proposal covers the Replacement of References to IEC 60167 with References to IEC 62631-3-3 in Section 22 (Volume Resistivity) of UL 746A.

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

Send comments (with optional copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.org

BSR/UL 921-201x, Standard for Safety for Commercial Dishwashers (revision of ANSI/UL 921-2017)

This proposal for UL 921 covers: The proposed new edition of bi-national standard C22.2 No.168/UL 921 includes editorial cleanup and renumbering of the document following the CSA pre-approval editorial (PAE) review, in addition to the proposal for Commercial Dishwashers provided with a heat pump.

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

Send comments (with optional copy to psa@ansi.org) to: Anne Marie Jacobs, (919) 549-0954, annemarie.jacobs@ul.org

Comment Deadline: October 28, 2019

API (American Petroleum Institute)

Reaffirmation

BSR/API RP 10D-2/ISO 10427-2-2004 (R201x), Recommended Practice for Centralizer Placement and Stop-Collar Testing (reaffirm a national adoption ANSI/API RP 10D-2/ISO 10427-2-2004 (R2015))

Provides calculations for determining centralizer spacing, based on centralizer performance and desired standoff, in deviated and dogleg holes in wells for the petroleum and natural gas industries. It also provides a procedure for testing stop collars and reporting test results.

Single copy price: \$79.00 (non-members). Members; receive a 30% discount.

Obtain an electronic copy from: rouechej@api.org

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

BSR/API RP 10B-6/ISO 10426-6-2010 (R201x), Recommended Practice on Determining the Static Gel Strength of Cement Formulations (reaffirm a national adoption ANSI/API RP 10B-6/ISO 10426-6-2010 (R2015))

Specifies requirements and provides test methods for the determination of static gel strength (SGS) of cement slurries and related materials under simulated well conditions.

Single copy price: \$64.00 (non-members). Members; receive a 30% discount.

Obtain an electronic copy from: rouechej@api.org

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

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

BSR/ASA S2.31-1979 (R201x), Methods for the Experimental Determination of Mechanical Mobility, Part I: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2014))

Required 5-year maintenance of this document which provides basic definitions with comments and identifies the calibration tests, environmental tests, and physical measurements necessary to determine the suitability of impedance heads, force transducers, and accelerometers for use in measuring mechanical mobility.

Single copy price: \$100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S2.32-1982 (R201x), Methods for the Experimental Determination of Mechanical Mobility, Part 2: Measurements Using Single-Point Translational Excitation (reaffirmation of ANSI/ASA S2.32-1982 (R2014))

Required 5-year maintenance of this document which includes measurement of mobility, acceleration, or dynamic compliance, whether as a driving-point measurement or as a transfer measurement. It also applies to the determination of the arithmetic reciprocals of those ratios 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: \$100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

ASCE (American Society of Civil Engineers)

New Standard

BSR/ASCE/EWRI-201x, Estimation of Aquifer Properties by Inverse Numerical Modeling of Aquifer Pumping Tests (new standard)

This proposal is to develop a new standard that provides guidance on estimating aquifer properties by inverse numerical modeling of aquifer pumping tests. This standard would address the gaps in the aquifer pumping test analysis described below. The standard would provide the guidance on using a numerical groundwater flow model to simulate an aquifer pumping test and estimating aquifer properties by matching the simulated aquifer response, in both space and time, to observations of head or water level. The standard would describe the methodology for estimating aquifer properties, such as hydraulic conductivity and specific storage, by model calibration to pumping test data.

Single copy price: Free

Obtain an electronic copy from: jneckel@asce.org

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

AWI (Architectural Woodwork Institute)

New Standard

BSR/AWI 0641-201x, Architectural Wood Casework (new standard)

The AWI 0641 - Architectural Wood Casework - provides standards for the aesthetic and structural performance of project-specific architectural wood casework. Includes both aesthetic performance and structural performance criteria for architectural wood casework designed and produced for specific construction projects.

Single copy price: \$Available free of charge

Obtain an electronic copy from: agoodin@awinet.org

Order from: Ashley Goodin, (571) 323-3636, agoodin@awinet.org

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

AWS (American Welding Society)**Addenda**

BSR/AWS A4.3-1993-ADD1-201x, Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding (addenda to ANSI/AWS A4.3-1993-ADD1-201x)

A standard 25 x 12 x 80 mm test specimen and method of preparation are set forth, along with three standard methods of diffusible hydrogen analysis, mercury displacement, gas chromatography, and standard hot carrier gas extraction method. The methods are suitable for shielded metal arc welding, gas metal arc welding, flux-cored arc welding, and submerged arc welding using welding conditions and electrodes given in several applicable American Welding Society filler metal specifications.

Single copy price: \$36.00

Obtain an electronic copy from: gupta@aws.org

Order from: Rakesh Gupta, (305) 443-9353, gupta@aws.org

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

AWS (American Welding Society)**Revision**

BSR/AWS B2.1/B2.1M-201x, Specification for Welding Procedure and Performance Qualification (revision of ANSI/AWS B2.1/B2.1M-2013)

This specification provides the requirements for qualification of welding procedure specifications, welders, and welding operators for manual, semiautomatic, mechanized, and automatic welding. The welding processes included are electrogas welding, electron-beam welding, electroslog welding, flux-cored arc welding, gas metal arc welding, gas tungsten arc welding, laser beam welding, oxyfuel gas welding, plasma arc welding, shielded metal arc welding, stud arc welding, and submerged arc welding. Base metals, filler metals, qualification variables, welding designs, and testing requirements are also included.

Single copy price: \$132.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

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

AWWA (American Water Works Association)**Revision**

BSR/AWWA C226-201x, Stainless-Steel Fittings for Waterworks Service, Sizes 1/2 In. Through 72 In. (13 mm Through 1,800 mm) (revision of ANSI/AWWA C226-2013)

This standard pertains to the various classes and types of stainless-steel fittings that are intended for the transmission and distribution of potable water, reclaimed water, and wastewater, and for use in other water-supply system facilities.

Single copy price: Free

Obtain an electronic copy from: ETSupport@awwa.org

Order from: AWWA, Attn: Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Attn: Paul Olson, polson@awwa.org

CTA (Consumer Technology Association)**Revision**

BSR/CTA 2006-C-201x, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-B-2009 (R2019))

This standard defines characteristics that, considered collectively, describe the performance of Power Amplifiers designed for In-Vehicle applications. Power Amplifiers designed for In-Vehicle applications include, but are not limited to, separate single- and multi-channel amplifiers, integrated amplifiers, and bandwidth-limited amplifiers that are connected to and rely solely on the vehicle's primary electrical system for power input and have output power ratings of greater than 5W when measured in accordance with this standard.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

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

BSR/CTA 2031-A-201x, Testing and Measurement Methods for In-Vehicle Loudspeaker Systems (revision and redesignation of ANSI/CTA 2031-2008 (R2014))

This standard defines test procedures for rating the performance and physical size of In-Vehicle loudspeakers, and requirements for reporting these characteristics. This standard, when used in conjunction with CTA-2006-A, Testing and Measurement Methods for In-Vehicle Audio Amplifiers, enables consumers to select In-Vehicle loudspeakers with power handling capabilities that are appropriate for the power output characteristics of their In-Vehicle amplifiers.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

ESTA (Entertainment Services and Technology Association)

Revision

BSR/E1.21-201x, Entertainment Technology - Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI E1.21-2013)

BSR E1.21, Entertainment Technology - Temporary Structures Used for Technical Production of Outdoor Entertainment Events, is a revision of ANSI E1.21-2013 to deepen the requirements for operations management plans, designated person responsibilities, and related requirements. ANSI E1.21 establishes a minimum acceptable level of design and performance parameters to ensure structural reliability, safety, and to establish a reasonable standard of care for temporary special event structures.

Single copy price: Free

Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Richard Nix, (212) 244-1505, standards@esta.org

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

NCPDP (National Council for Prescription Drug Programs)

New Standard

BSR/NCPDP RTPB Standard vBT-201x, NCPDP Real-Time Prescription Benefit Standard vBT (new standard)

The NCPDP Real-Time Prescription Benefit Standard Implementation Guide is intended to meet the industry need within the pharmacy services sector to facilitate the ability for pharmacy benefit payers/processors to communicate to providers and to ensure a consistent implementation of the standard throughout the industry. The RTPB Standard enables the exchange of patient eligibility, product coverage, and benefit financials for a chosen product and pharmacy, and identifies coverage restrictions, and alternatives when they exist. This version of this standard is intended for pilot purposes. It is not intended for widespread adoption as more feedback is needed. Pilot participants are encouraged to bring feedback to NCPDP so changes to the standard can be made.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP State Medicaid Provider File Standard v10-201x, NCPDP State Medicaid Provider File Standard v10 (new standard)

State Medicaid Agencies, Managed Care Organizations, Pharmacy Benefit Managers, and other industry stakeholders will use this format to share State Medicaid provider information. In the current environment, data is shared in an inefficient manner because a common industry-wide format does not exist. This document provides standard methods that entities can use to share this data in a consistent manner.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Audit Transaction v35-201x, NCPDP Audit Transaction Standard v35 (revision and redesignation of ANSI/NCPDP Audit Transaction v34-2019)

The NCPDP Audit Transaction Standard Implementation Guide was developed to meet the industry needs for electronic communication for audit requests, responses, and final outcomes especially as they affect the pharmacy industry.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP Benefit Integration Standard v16-201x, NCPDP Benefit Integration Standard v16 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v15-2019)

The Benefit Integration Standard Implementation Guide supports the communication of accumulator data in a standard format via transactions that are used to facilitate the delivery and receipt of this information. These transactions provide administrative efficiencies and allow for an industry standard to be used to share accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP FB v53-201x, NCPDP Formulary and Benefit Standard v53 (revision and redesignation of ANSI/NCPDP FB v52-2019)

The Formulary and Benefit Standard provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP PA Transfer v25-201x, NCPDP Prior Authorization Transfer Standard v25 (revision and redesignation of ANSI/NCPDP PA Transfer v24-2019)

The NCPDP Prior Authorization Transfer Standard Implementation Guide was developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors. This standard can be used between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP PDMP Reporting Standard v12-201x, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v12 (revision and redesignation of ANSI/NCPDP PDMP Reporting Standard v11-2019)

Report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs. This standard assists in allowing for a sustainable approach to eliminate data silos and promote interoperability by allowing actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption, and support patient safety efforts to curb prescription drug abuse.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Post Adj v51-201x, NCPDP Post Adjudication Standard v51 (revision and redesignation of ANSI/NCPDP Post Adj v50-2019)

The goal of this implementation guide is to support the development of a common format for post-adjudicated pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the communication of patient pharmacy transaction data. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Prescription Transfer Standard v38-201x, NCPDP Prescription Transfer Standard v38 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v37-2019)

The basic function of the Prescription Transfer Standard is to be able to transfer prescription data in a standardized layout. Two layouts, a fixed length and a variable length format, were developed to provide more flexibility in the amount of data that needs to be transferred without making it a requirement in all cases. Both layouts include data elements required for the transfer of prescription data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Product Identifier v1.5-201x, NCPDP Product Identifier Standard v1.5 (revision and redesignation of ANSI/NCPDP Product Identifier v1.4-2017)

The goal of this standard is to ensure that any change to critical product identifiers is managed in a way that does not adversely affect patient safety, financial processes involving drug products, and the healthcare applications that currently use these identifiers. NCPDP discussed the unintended consequences that could result from changes to the structure of product identifiers and initiated a project to develop a standard that could be used to protect the intended use, format, and structure of product identifiers.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP SC WG110083201x-201x, NCPDP SCRIPT Standard WG110083201x (revision and redesignation of ANSI/NCPDP Specialized Standard 2019071-2019)

The SCRIPT Standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Specialized Standard WG110083201x-201x, NCPDP Specialized Standard WG110083201x (revision and redesignation of ANSI/NCPDP Specialized Standard 2019071-2019)

The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Specialty Pharmacy Reporting v13-201x, NCPDP Specialty Pharmacy Data Reporting Standard v13 (revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v12-2019)

The Specialty Pharmacy Data Reporting Standard provides a uniform format for the submission of specialty pharmacy data to manufacturers, which is needed to support related operations and validate contractual obligations. The implementation of this standard will increase administrative efficiencies and eliminate the need for pharmacies to create internal mapping processes to standardize unique data formats from each manufacturer.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP TC vF6-201x, NCPDP Telecommunication Standard vF6 (revision and redesignation of ANSI/NCPDP TC vF5-2019)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol and other appropriate telecommunication requirements.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Uniform Healthcare Payer Data Standard v28-201x, NCPDP Uniform Healthcare Payer Data Standard v28 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v27-2019)

This implementation guide is to support the development of a common format for pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the reporting requirements of claim data to states or their designees. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NFPA (National Fire Protection Association)

The National Fire Protection Association announces the availability of NFPA First Draft Reports for concurrent review and comment by NFPA

The First Draft Report for documents in the 2020 Fall Revision Cycle have been posted on the document's specific URL site. The First Draft Reports contain the disposition of public input received for those proposed documents. Anyone wishing to review the First Draft Report for documents in the 2020 Fall Revision Cycle may do so on each document's information page under the next edition tab. The document's specific URL, for example www.nfpa.org/doc#next (www.nfpa.org/101next), can easily access the document's information page.

All comments on the 2020 Fall Revision Cycle First Draft Report must be received by November 14, 2019.

The disposition of all comments received on the First Draft Reports will be published in the Second Draft Report, which will also be located on the document's information page under the next edition tab. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (<http://www.nfpa.org>) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

New Standard

BSR/NFPA 1802-201x, Standard on Personal Portable (Hand-Held) Two-Way Radio Communications Devices for Use by Emergency Personnel in the Hazard Zone (new standard)

This standard will identify the operating environment parameters, as well as the minimum requirements for the design, performance, testing, and certification of two-way, portable (i.e., hand-held) land mobile radios (LMR) for use by emergency services personnel during emergency incident operations without compromising compatibility with field emergency services communications networks.

Obtain an electronic copy from: www.nfpa.org/1802next

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

NFPA (National Fire Protection Association)

New Standard

BSR/NFPA 1937-201x, Standard for the Selection, Care, and Maintenance of Rescue Tools (new standard)

This document shall specify the selection, care, and maintenance of rescue tools and associated components, to also include shoring and stabilization equipment used in vehicle extrication.

Obtain an electronic copy from: www.nfpa.org/1937next

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

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 12-201x, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2018)

This standard contains minimum requirements for carbon dioxide fire-extinguishing systems. This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field.

Obtain an electronic copy from: www.nfpa.org/12next

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

BSR/NFPA 12A-201x, Standard on Halon 1301 Fire Extinguishing Systems (revision of ANSI/NFPA 12A-2018)

This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field.

Obtain an electronic copy from: www.nfpa.org/12Anext

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

BSR/NFPA 18-201x, Standard on Wetting Agents (revision of ANSI/NFPA 18-2017)

This standard addresses qualification tests, methods of evaluation, and general rules for application of wetting agents and wetting agent solutions as related to fire control and extinguishment.

Obtain an electronic copy from: www.nfpa.org/18next

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

BSR/NFPA 32-201x, Standard for Dry Cleaning Facilities (revision of ANSI/NFPA 32-2016)

This standard shall apply to establishments defined in this standard as drycleaning plants.

Obtain an electronic copy from: www.nfpa.org/32next

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

BSR/NFPA 33-201x, Standard for Spray Application Using Flammable or Combustible Materials (revision of ANSI/NFPA 33-2018)

This standard shall apply to the spray application of flammable or combustible materials, as defined in this standard, either continuously or intermittently by any of the following methods: (1) compressed air atomization, (2) Airless or hydraulic atomization, (3) Electrostatic application methods, and (4) Other means of atomized application. This standard shall also apply to the application of flammable or combustible materials, as defined in this standard, either continuously or intermittently by any of the following methods: (1) Fluidized bed application methods, (2) Electrostatic fluidized bed application methods, and (3) Other means of fluidized application.

Obtain an electronic copy from: www.nfpa.org/33next

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

BSR/NFPA 34-201x, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids (revision of ANSI/NFPA 34-2018)

This standard shall apply to dipping, roll coating, flow coating, curtain coating, printing, cleaning, and similar processes, referred to in this standard as "coating processes" or "processes," in which articles or materials are passed through tanks, vats, or containers, or passed over rollers, drums, or other process equipment that contain flammable or combustible liquids. This standard shall also apply to cleaning processes that utilize a solvent vapor, such as vapor degreasing processes. This standard shall also apply to processes that use waterborne, water-based, and water-reducible materials that contain flammable or combustible liquids or that produce combustible deposits or residues.

Obtain an electronic copy from: www.nfpa.org/34next

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

BSR/NFPA 35-201x, Standard for the Manufacture of Organic Coatings (revision of ANSI/NFPA 35-2016)

This standard shall apply to facilities that use flammable and combustible liquids, as defined in this standard, to manufacture organic coatings for automotive, industrial, institutional, household, marine, printing, transportation, and other applications.

Obtain an electronic copy from: www.nfpa.org/35next

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

BSR/NFPA 36-201x, Standard for Solvent Extraction Plants (revision of ANSI/NFPA 36-2017)

This standard shall apply to the commercial scale extraction processing of animal and vegetable oils and fats by the use of Class I flammable hydrocarbon liquids, referred to in this standard as "solvents."

Obtain an electronic copy from: www.nfpa.org/36next

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

BSR/NFPA 37-201x, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines (revision of ANSI/NFPA 37-2018)

This standard establishes criteria for minimizing the hazards of fire during the installation and operation of stationary combustion engines and gas turbines.

Obtain an electronic copy from: www.nfpa.org/37next

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

BSR/NFPA 53-201x, Recommended Practice on Materials, Equipment, and Systems Used in Oxygen-Enriched Atmospheres (revision of ANSI/NFPA 53-2016)

This document establishes recommended minimum criteria for the safe use of oxygen (liquid/gaseous) and the design of systems for use in oxygen and oxygen-enriched atmospheres (OEA's).

Obtain an electronic copy from: www.nfpa.org/53next

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

BSR/NFPA 79-201x, Electrical Standard for Industrial Machinery (revision of ANSI/NFPA 79-2018)

The provisions of this standard shall apply to the electrical/electronic equipment, apparatus, or systems of industrial machines supplied from a nominal voltage of 1000 volts or less, and commencing at the point of connection of the supply circuit conductors to the electrical equipment of the machine.

Obtain an electronic copy from: www.nfpa.org/79next

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

BSR/NFPA 87-201x, Standard for Fluid Heaters (revision of ANSI/NFPA 87-2018)

This standard covers fluid heaters and related equipment.

Obtain an electronic copy from: www.nfpa.org/87next

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

BSR/NFPA 92-201x, Standard for Smoke Control Systems (revision of ANSI/NFPA 92-2018)

This standard shall apply to the design, installation, acceptance testing, operation, and ongoing periodic testing of smoke control systems.

Obtain an electronic copy from: www.nfpa.org/92next

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

BSR/NFPA 102-201x, Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures (revision of ANSI/NFPA 102-2016)

This standard addresses the following: (1) The construction, location, protection, and maintenance of grandstands and bleachers, folding and telescopic seating, tents, and membrane structures and (2) Seating facilities located in the open air or within enclosed or semi-enclosed structures such as tents, membrane structures, and stadium complexes.

Obtain an electronic copy from: www.nfpa.org/102next

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

BSR/NFPA 170-201x, Standard for Fire Safety and Emergency Symbols (revision of ANSI/NFPA 170-2018)

This standard presents symbols used for fire safety, emergency, and associated hazards.

Obtain an electronic copy from: www.nfpa.org/170next

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

BSR/NFPA 204-201x, Standard for Smoke and Heat Venting (revision of ANSI/NFPA 204-2018)

This standard shall apply to the design of venting systems for the emergency venting of products of combustion from fires in buildings. The provisions of Chapters 4 through 10 shall apply to the design of venting systems for the emergency venting of products of combustion from fires in nonsprinklered, single-story buildings using both hand calculations and computer-based solution methods as provided in Chapter 9. Chapter 11 shall apply to venting in sprinklered buildings.

Obtain an electronic copy from: www.nfpa.org/204next

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

BSR/NFPA 214-201x, Standard on Water-Cooling Towers (revision of ANSI/NFPA 214-2016)

This standard applies to fire protection for field-erected and factory-assembled water-cooling towers of combustible construction or those in which the fill is of combustible material.

Obtain an electronic copy from: www.nfpa.org/214next

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

BSR/NFPA 225-201x, Model Manufactured Home Installation Standard (revision of ANSI/NFPA 225-2017)

This model standard shall cover the installation of manufactured homes wherever sited in the United States and its territories. The manufacturer's installation instructions shall apply under either of the following conditions: (1) To items not covered by this standard and (2) Where the manufacturer's approved installation instructions provide a specific method of performing a specific operation or assembly.

Obtain an electronic copy from: www.nfpa.org/225next

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

BSR/NFPA 318-201x, Standard for the Protection of Semiconductor Fabrication Facilities (revision of ANSI/NFPA 318-2018)

This standard applies to semiconductor fabrication facilities and comparable fabrication processes, including research and development areas in which hazardous chemicals.

Obtain an electronic copy from: www.nfpa.org/318next

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

BSR/NFPA 409-201x, Standard on Aircraft Hangars (revision of ANSI/NFPA 409-2016)

This standard contains the minimum requirements for the proper construction of aircraft hangars and protection of aircraft hangars from fire. This standard applies only to buildings or structures used for aircraft storage, maintenance, or related activities. Other uses within an aircraft hangar shall be protected in accordance with other applicable NFPA standards.

Obtain an electronic copy from: www.nfpa.org/409next

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

BSR/NFPA 415-201x, Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways (revision of ANSI/NFPA 415-2016)

This standard specifies the minimum fire protection requirements for the construction and protection of airport terminal buildings. It specifies the minimum requirements for the design and maintenance of the drainage system of an aircraft fueling ramp to control the flow of fuel that can be spilled on a ramp and to minimize the resulting possible danger. In addition, it contains the minimum requirements for the design, construction, and fire protection of aircraft loading walkways between the terminal building and aircraft.

Obtain an electronic copy from: www.nfpa.org/415next

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

BSR/NFPA 418-201x, Standard for Heliports (revision of ANSI/NFPA 418-2016)

This standard specifies the minimum requirements for fire protection for heliports and rooftop hangars.

Obtain an electronic copy from: www.nfpa.org/481next

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

BSR/NFPA 423-201x, Standard for Construction and Protection of Aircraft Engine Test Facilities (revision of ANSI/NFPA 423-2016)

This standard establishes the minimum fire safety practices regarding location, construction, services, utilities, fire protection, operation, and maintenance of aircraft engine test facilities. These facilities include test cells and test stands.

Obtain an electronic copy from: www.nfpa.org/423next

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

BSR/NFPA 501-201x, Standard on Manufactured Housing (revision of ANSI/NFPA 501-2017)

This standard shall cover all the equipment and installations used in the design, construction, transportation, fire safety, plumbing, heat-producing, and electrical systems of manufactured homes that are designed to be used as dwelling units. This standard shall, to the maximum extent possible, establish performance requirements. In certain instances, however, the use of specific requirements is necessary.

Obtain an electronic copy from: www.nfpa.org/501next

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

BSR/NFPA 501A-201x, Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities (revision of ANSI/NFPA 501A-2017)

This standard shall cover fire-safety requirements for the installation of manufactured homes and manufactured home sites, including accessory buildings, structures, and communities.

Obtain an electronic copy from: www.nfpa.org/501Anext

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

BSR/NFPA 520-201x, Standard on Subterranean Spaces (revision of ANSI/NFPA 520-2016)

This standard addresses the safeguarding of life and property against fire, explosion, and related hazards associated with developed subterranean spaces. This standard does not cover the following types of subterranean spaces: (1) Tourist caverns, (2) Wine storage caverns, (3) Gas and oil storage reservoirs, (4) Hazardous waste repositories, (5) Utility installations such as pump stations, (6) Working mines, (7) Transportation and pedestrian tunnels, (8) Aboveground buildings with belowground stories, and (9) Cut and cover underground structures specifically addressed in the building code.

Obtain an electronic copy from: www.nfpa.org/520next

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

BSR/NFPA 555-201x, Guide on Methods for Evaluating Potential for Room Flashover (revision of ANSI/NFPA 555-2017)

This guide addresses methods for evaluating the potential for room flashover from fire involving the contents, furnishings, and interior finish of a room. The methods addressed by this guide include prevention of ignition; installation of automatic fire suppression systems; control of ventilation factors; and limitation of the heat release rate of individual and grouped room contents, furnishings, and interior finish. The accuracy, precision, and relevance of this guide are a function of the accuracy, precision, and relevance of the data from the test methods and calculations used. The principles and concepts presented are among the most reliable available. The use of these techniques can help to minimize the probability of flashover or delay its occurrence, but might not prevent it.

Obtain an electronic copy from: www.nfpa.org/555next

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

BSR/NFPA 901-201x, Standard Classifications for Incident Reporting and Fire Protection Data (revision of ANSI/NFPA 901-2016)

This document describes and defines data elements and classifications used by many fire departments in the United States and other countries to describe fire damage potential and experience during incidents. It does not provide guidelines for a reporting system or related forms.

Obtain an electronic copy from: www.nfpa.org/901next

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

BSR/NFPA 909-201x, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2017)

This code describes principles and practices of protection for cultural resource properties (including, but not limited to, museums, libraries, and places of worship), their contents, and collections, against conditions or physical situations with the potential to cause damage or loss. This code covers ongoing operations and rehabilitation and acknowledges the need to preserve culturally significant and character-defining building features and sensitive, often irreplaceable, collections; and to provide continuity of operations.

Obtain an electronic copy from: www.nfpa.org/909next

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

BSR/NFPA 1581-201x, Standard on Fire Department Infection Control Program (revision of ANSI/NFPA 1581-2015)

This standard contains minimum requirements for a fire-department infection control program.

Obtain an electronic copy from: www.nfpa.org/1581next

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

BSR/NFPA 1583-201x, Standard on Health-Related Fitness Programs for Fire Department Members (revision of ANSI/NFPA 1583-2015)

This standard establishes the minimum requirements for the development, implementation, and management of a health-related fitness program (HRFP) for members of the fire department involved in emergency operations.

Obtain an electronic copy from: www.nfpa.org/1583next

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

BSR/NFPA 1584-201x, Standard on the Rehabilitation Process for Members during Emergency Operations and Training Exercises (revision of ANSI/NFPA 1584-2015)

This standard establishes the minimum criteria for developing and implementing a rehabilitation process for fire-department members at incident scene operations and training exercises.

Obtain an electronic copy from: www.nfpa.org/1584next

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

BSR/NFPA 1977-201x, Standard on Protective Clothing and Equipment for Wildland Fire Fighting (revision of ANSI/NFPA 1977-2016)

This standard shall specify the minimum design, performance, testing, and certification requirements for items of wildland fire-fighting protective clothing and equipment, including protective garments, protective helmets, protective gloves, protective footwear, protective goggles, and protective chain saw protectors; and for load-carrying equipment. This standard shall specify requirements for any accessories or enhancements built into, attached to, or sold with the certified wildland fire-fighting protective clothing and equipment and for load-carrying equipment by the product manufacturer for later attachment and shall be tested with the wildland fire fighting protective clothing and equipment and for load-carrying equipment with those accessories and enhancements installed or attached, as specified in 4.3.13.

Obtain an electronic copy from: www.nfpa.org/1977next

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

BSR/NFPA 1984-201x, Standard on Respirators for Wildland Fire-Fighting Operations (revision of ANSI/NFPA 1984-2011)

This standard shall specify the minimum design, performance, testing, and certification requirements for respirators to provide protection from inhalation hazards for personnel conducting wildland fire-fighting operations. This standard shall specify only respirator requirements for use in non-IDLH (immediately dangerous to life and health) wildland environments during wildland fire-fighting operations. This standard shall specify requirements for any accessories or enhancements built into, attached to, or sold with the certified wildland fire-fighting respirator by the respirator manufacturer for later attachment and which shall be tested with the wildland fire-fighting respirator and with those accessories and enhancements installed or attached, as specified in 4.3.11 and 4.3.11.1.

Obtain an electronic copy from: www.nfpa.org/1984next

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

BSR/NFPA 2001-201x, Standard on Clean Agent Fire Extinguishing Systems (revision of ANSI/NFPA 2001-2018)

This standard contains minimum requirements for total flooding and local application clean-agent fire-extinguishing systems. It does not cover fire-extinguishing systems that use carbon dioxide or water as the primary extinguishing media, which are addressed by other NFPA documents.

Obtain an electronic copy from: www.nfpa.org/2001next

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

PMI (Project Management Institute)

New Standard

BSR/PMI 19-006-201x, Standard for Earned Value Management (EVM) (new standard)

The Earned Value Management standard developed is a basic reference and global standard for the use of EVM within the project management profession. The standard will define and describe the essential aspects of applying earned value in project management and provide a reference for the basic concepts and applications of earned value management that is consistent and globally applicable. The standard is planned to help practitioners and organizations to mature their practices, drive continuous improvement and to integrate these practices with existing project management practices.

Single copy price: Free

Obtain an electronic copy from: lorna.scheel@pmi.org

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 176-201x, Specification for 75 ohm MCX Connector, Male & Female Interface (revision of ANSI/SCTE 176-2011)

The purpose of this document is to specify requirements for the male/female interface of a 75-ohm, 3-GHz-rated connector series generically known as MCX. This is an indoor connector with applications in controlled environment headends and hubsites.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

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

Reaffirmation

BSR B74.14-2007 (R201x), Methods of Chemical Analysis of Aluminum Oxide Abrasive Grain and Abrasive Crude (reaffirmation of ANSI B74.14-2007 (R2013))

These methods cover procedures for the chemical analysis of aluminum oxide abrasive grain and abrasive crude. The methods apply to products as sold commercially but not necessarily after alteration in service.

Single copy price: \$18.00

Obtain an electronic copy from: https://www.techstreet.com/standards/uama-b74-14-2007-r2013?product_id=1763086

Order from: https://www.techstreet.com/standards/uama-b74-14-2007-r2013?product_id=1763086

Send comments (with optional copy to psa@ansi.org) to: djh@wherryassoc.com

UL (Underwriters Laboratories, Inc.)***New Standard***

BSR/UL 970-201x, Standard for Safety for Retail Fixtures and Merchandise Displays (new standard)

This proposed first edition of the Standard for Retail Fixtures and Merchandise Displays covers non-refrigerated or heated commercial displays and other case goods used in retail establishment, including bakeries and restaurants. The term "display(s)" is used to refer to all of the types of products covered by this standard. The products are used in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended for dry, damp, or wet locations and include both electrified and non-electrified products and may include, but are not limited to: shelving units (Gondolas); merchandise kiosks (e.g., mini-stores in the middle of a mall); Point of Sale (POS); motorized displays; hanging displays; wall systems; showcases; display cases; cash wraps, check-out stands (motorized & non-motorized); temporary displays; and product platforms. These requirements cover products rated 600 V ac or less, including those powered by primary or secondary batteries.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)***Reaffirmation***

BSR/UL 60745-2-2-2014 (R201x), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches (reaffirmation of ANSI/UL 60745-2-2-2014)

This proposal for UL 60745-2-2 covers: Hand-Held Motor-Operated Electric Tools - Safety - Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches, UL 60745-2-2, 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 1641-201X, Standard for Safety for Installation and Classification of Residential Burglary Alarm Systems (revision of ANSI/UL 1641-2015)

Revisions to the following sections of ANSI/UL 1641-2015: Glossary, Overall Requirements, General Requirements for Extent of Protection for Residential Alarms, Windows, Foil and Fine Wire, Screens, Shunts, Maintenance, and Service.

Single copy price: Free

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

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

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

Comment Deadline: November 12, 2019

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

UL (Underwriters Laboratories, Inc.)***Revision***

BSR/UL 448-201x, Standard for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2017)

SCC Approval of Standard for Centrifugal Stationary Pumps for Fire-Protection Service and various revisions for clarification.

Single copy price: Free

Send comments (with optional copy to psa@ansi.org) to: Griff Edwards, (919) 549-0956, griff.edwards@ul.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:

ANS (American Nuclear Society)

BSR/ANS 2.25-200x, Surveys of Ecology Needed to License Nuclear Facilities (new standard)

Inquiries may be directed to Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

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

BSR/ASHRAE Addendum b to ASHRAE Standard 185.1-20x, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms (addenda to ANSI/ASHRAE Standard 185.1-2015)

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

Inquiries may be directed to Carmen King, (404) 636-8400, cking@ashrae.org

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:

ANS (American Nuclear Society)

ANSI/ANS 3.5-2009, Nuclear Power Plant Simulators for Use in Operator Training and Examination

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.

AMCI (AMC Institute)

Office: 908 King Street
Suite 320
Alexandria, VA 22314

Contact: Erin Carter
Phone: (703) 570-8954
E-mail: ecarter@amcinstitute.org

BSR/AMCI A100.1-201x, AMC Standard of Good Practice (revision of ANSI/AMCI A100.1-2018)

API (American Petroleum Institute)

Office: 1220 L Street, NW
Washington, DC 20005

Contact: Jacqueline Roueche
Phone: (202) 682-8286
E-mail: RouecheJ@api.org

BSR/API RP 10D-2/ISO 10427-2-2004 (R201x), Recommended Practice for Centralizer Placement and Stop-Collar Testing (reaffirm a national adoption ANSI/API RP 10D-2/ISO 10427-2-2004 (R2015))

BSR/API RP 10B-6/ISO 10426-6-2010 (R201x), Recommended Practice on Determining the Static Gel Strength of Cement Formulations (reaffirm a national adoption ANSI/API RP 10B-6/ISO 10426-6-2010 (R2015))

ASA (ASC S2) (Acoustical Society of America)

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

Contact: Caryn Mennigke
Phone: (631) 390-0215
E-mail: asastds@acousticalsociety.org

BSR/ASA S2.31-1979 (R201x), Methods for the Experimental Determination of Mechanical Mobility, Part I: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2014))

BSR/ASA S2.32-1982 (R201x), Methods for the Experimental Determination of Mechanical Mobility, Part 2: Measurements Using Single-Point Translational Excitation (reaffirmation of ANSI/ASA S2.32-1982 (R2014))

AWI (Architectural Woodwork Institute)

Office: 46179 Westlake Drive
Suite 120
Potomac Falls, 20165

Contact: Cheryl Dermyre
Phone: (229) 389-2539
E-mail: cdermyre@awinet.org

BSR/AWI 0400-201x, Factory Finishing (new standard)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: Veronica Lancaster
Phone: (703) 907-7697
E-mail: vlancaster@cta.tech

BSR/CTA 2006-C-201x, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-B-2009 (R2019))

BSR/CTA 2031-A-201x, Testing and Measurement Methods for In-Vehicle Loudspeaker Systems (revision and redesignation of ANSI/CTA 2031-2008 (R2014))

ECIA (Electronic Components Industry Association)

Office: 13873 Park Center Road
Suite 315
Herndon, VA 20171

Contact: Laura Donohoe
Phone: (571) 323-0294
E-mail: ldonohoe@ecianow.org

BSR/EIA 886-B-201x, Thick Film Resistor Array Specification (revision and redesignation of ANSI/EIA 886-A-2014)

ESTA (Entertainment Services and Technology Association)

Office: 630 Ninth Avenue
Suite 609
New York, NY 10036-3748

Contact: Richard Nix
Phone: (212) 244-1505
E-mail: standards@esta.org

BSR/E1.21-201x, Entertainment Technology - Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI E1.21-2013)

IES (Illuminating Engineering Society)

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

BSR/IES TM-25-201x, Ray File Format for the Description of the Emission Property of Light Sources (new standard)

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

Office: 4043 South Eastern Avenue
Las Vegas, NV 89119
Contact: Mili Washington
Phone: (702) 430-9829
E-mail: mwashington@iicrcnet.org

BSR/IICRC S410-201x, Standard for Infection Control During Professional Cleaning and Maintenance of the Commercial Built Environment (new standard)

BSR/IICRC S760-201x, Standard for Professional Restoration of Structures and Items Damaged by Wildfire Smoke (new standard)

NSF (NSF International)

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

BSR/NSF/CAN 50-201x (i159r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision and redesignation of ANSI/NSF 50-2017)

OPEI (Outdoor Power Equipment Institute)

Office: 1605 King Street
Alexandria, VA 22314
Contact: Greg Knott
Phone: (703) 549-7600
E-mail: gknott@opei.org

BSR/OPEI B175.1-201X, (Standard) for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements (revision of ANSI/OPEI B175.1-2012)

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

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

BSR B74.14-2007 (R201x), Methods of Chemical Analysis of Aluminum Oxide Abrasive Grain and Abrasive Crude (reaffirmation of ANSI B74.14-2007 (R2013))

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Contact: Wathma Jayathilake
Phone: (613) 368-4432
E-mail: Wathma.Jayathilake@ul.org

BSR/UL 1641-201X, Standard for Safety for Installation and Classification of Residential Burglary Alarm Systems (revision of ANSI/UL 1641-201X)

BSR/UL 8400-201X, Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment - Part 1: Safety (new standard)

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.

ADA (American Dental Association)

New National Adoption

ANSI/ADA Standard No. 111-2019, Adhesion Test Methods to Tooth Structure (identical national adoption of ISO/TS 11405:2015, Dentistry - Testing of adhesion to tooth structure): 9/9/2019

AGMA (American Gear Manufacturers Association)

New Standard

ANSI/AGMA 6022-DXX-2019, Design Manual for Cylindrical Wormgearing (new standard): 9/9/2019

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B30.10-2019, Hooks (revision of ANSI/ASME B30.10-2014): 9/3/2019

ANSI/ASME NQA-1-2019, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2017): 9/4/2019

ASSP (Safety) (American Society of Safety Professionals)

New Standard

ANSI/ASSP Z490.2-2019, Accepted Practices for E-learning in Safety, Health and Environmental Training (new standard): 9/9/2019

ASTM (ASTM International)

New Standard

ANSI/ASTM 3202-2019, Practice for Specimen Preparation and Mounting of Plastic Composites for Use as Deck Boards, Stair Treads, Guards or Handrails to Assess Surface Burning Characteristics (new standard): 9/1/2019

Reaffirmation

ANSI/ASTM D2925-2014 (R2019), Test Method for Beam Deflection of Fiberglass (Glass-Fiber-Reinforced Thermosetting Resin) Pipe Under Full Bore Flow (reaffirmation of ANSI/ASTM D2925-2014): 8/20/2019

ANSI/ASTM D3839-2014 (R2019), Guide for Underground Installation of Fiberglass (Glass-Fiber Reinforced Thermosetting-Resin) Pipe (reaffirmation of ANSI/ASTM D3839-2014): 8/20/2019

ANSI/ASTM F714-2018 (R2019), Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (reaffirmation of ANSI/ASTM F714-2018): 8/20/2019

ANSI/ASTM F1563-2017 (R2019), Specification for Tools to Squeeze-off Polyethylene (PE) Gas Pipe or Tubing (reaffirmation of ANSI/ASTM F1563-2017): 8/20/2019

ANSI/ASTM F2207-2017 (R2019), Specification for Cured-in-Place Pipe Lining System for Rehabilitation of Metallic Gas Pipe (reaffirmation of ANSI/ASTM F2207-2017): 8/20/2019

ANSI/ASTM F2509-2017 (R2019), Specification for Field-Assembled Anodeless Riser Kits for Use on Outside Diameter Controlled Polyethylene and Polyamide-11 (PA11) Gas Distribution Pipe and Tubing (reaffirmation of ANSI/ASTM F2509-2017): 8/20/2019

ANSI/ASTM F2818-2017 (R2019), Specification for Specification for Crosslinked Polyethylene (PEX) Material Gas Pressure Pipe and Tubing (reaffirmation of ANSI/ASTM F2818-2017): 8/20/2019

Revision

ANSI/ASTM D2513-2019, Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM D2513-2016): 8/20/2019

ANSI/ASTM D3517-2019, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe (revision of ANSI/ASTM D3517-2014): 8/20/2019

ANSI/ASTM D3753-2019, Specification for Glass-Fiber-Reinforced Polyester Manholes and Wetwells (revision of ANSI/ASTM D3753-2012): 9/1/2019

ANSI/ASTM E662-2019, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2014): 9/1/2019

ANSI/ASTM F439-2019, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM F439-2013): 8/20/2019

ANSI/ASTM F442-2019, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDRPR) (revision and redesignation of ANSI/ASTM F442/F442M-2017): 8/20/2019

ANSI/ASTM F876-2019, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2017): 8/20/2019

ANSI/ASTM F1025-2019, Guide for Selection and Use of Full-Encirclement-Type Band Clamps for Reinforcement or Repair of Punctures or Holes in Polyethylene Gas Pressure Pipe (revision of ANSI/ASTM F1025-2017): 8/20/2019

ANSI/ASTM F1807-2019, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2019): 8/20/2019

ANSI/ASTM F1924-2019, Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing (revision of ANSI/ASTM F1924-2012): 8/20/2019

ANSI/ASTM F1960-2019, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2014): 8/20/2019

ANSI/ASTM F2159-2019, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2019): 8/20/2019

ANSI/ASTM F2788-2019, Specification for Metric and Inch-sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788-2017): 8/20/2019

ANSI/ASTM F3202-2019, Specification for Solid Wall Poly(Vinyl Chloride) (PVC) Fittings for Joining Corrugated Wall High Density Polyethylene (PE) and Polypropylene (PP) Piping (revision of ANSI/ASTM F3202-2019): 8/20/2019

ANSI/ASTM F3313-2019, Test Method for Determining Impact Attenuation of Playground Surfaces within the Use Zone of Playground Equipment as Tested in the Field (revision of ANSI/ASTM F3313-2018): 9/1/2019

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI ATIS 1000109-2014 (R2019), Exchange-Interexchange Carrier Interfaces - 950+ XXXX EC-to-IC Access Signaling Protocols (reaffirmation of ANSI ATIS 1000109-2014): 9/9/2019

ANSI ATIS 1000603-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Primary Rate Interface (reaffirmation of ANSI ATIS 1000603-2014): 9/9/2019

ANSI ATIS 1000604-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface (reaffirmation of ANSI ATIS 1000604-2014): 9/9/2019

ANSI ATIS 1000609-2014 (R2019), Interworking between the ISDN User-Network Interface Protocol and Signalling System Number 7 ISDN User Part (reaffirmation of ANSI ATIS 1000609-2014): 9/9/2019

ANSI ATIS 1000615-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Layer 3 Overview (reaffirmation of ANSI ATIS 1000615-2014): 9/9/2019

ANSI ATIS 1000621-2014 (R2019), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000621-2014): 9/9/2019

ANSI ATIS 1000623-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for the User Signaling Bearer Service (reaffirmation of ANSI ATIS 1000623-2014): 9/9/2019

ANSI ATIS 1000627-2014 (R2019), Broadband ISDN - ATM Layer Functionality and Specification (reaffirmation of ANSI ATIS 1000627-2014): 9/9/2019

ANSI ATIS 1000632-1993 (R2019), ISDN Supplementary Service Normal Call Transfer (reaffirmation of ANSI ATIS 1000632-1993 (R2014)): 9/9/2019

ANSI ATIS 1000641-2014 (R2019), Calling Name Identification (reaffirmation of ANSI ATIS 1000641-2014): 9/9/2019

ANSI ATIS 1000642-2014 (R2019), ISDN - Call Deflection Supplementary Service (reaffirmation of ANSI ATIS 1000642-2014): 9/9/2019

ANSI/ATIS 1000060-2014 (R2019), Emergency Telecommunications Services (ETS): Long Term Evolution (LET) Access Network Security Requirement for National Security/Emergency Preparedness (NS/EP) Next Generation Network (NGN) Priority Services (reaffirmation of ANSI/ATIS 1000060-2014): 9/9/2019

ANSI/ATIS 1000616-2014 (R2019), ISDN - Call Hold Supplementary Service (reaffirmation of ANSI ATIS 1000616-2014): 9/9/2019

ANSI/ATIS 1000620a-2019 (R2019), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI/ATIS 1000620a-1992 (R2009)): 9/9/2019

Stabilized Maintenance

ANSI ATIS 0100024-2009 (S2019), User Network Interface (UNI) Media Plane Security Standard for Evolving VoIP/Multimedia Networks (stabilized maintenance of ANSI ATIS 0100024-2009 (R2014)): 9/9/2019

ANSI ATIS 0100514-2009 (S2019), Network Performance Parameters and Objectives for Dedicated Digital Services - SONET Bit Rates (stabilized maintenance of ANSI ATIS 0100514-2009 (R2014)): 9/9/2019

ANSI ATIS 0100522-2000 (S2019), Quality of Service for Business Multimedia Conferencing (stabilized maintenance of ANSI ATIS 0100522-2000 (R2014)): 9/9/2019

ANSI ATIS 1000035-2009 (S2019), NGN Identity Management Framework Generation Network (NGN) Priority Services (stabilized maintenance of ANSI ATIS 1000035-2009 (R2014)): 9/9/2019

ANSI ATIS 1000114-2004 (S2019), Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014)): 9/9/2019

ANSI/ATIS 1000602-1996 (S2019), ISDN - Data-Link Layer Signaling Specification for Application at the User-Network Interface (stabilized maintenance of ANSI ATIS 1000602-1996 (R2014)): 9/9/2019

ANSI/ATIS 1000666-1999 (S2019), Signaling System No. 7 (SS7) - Operator Services Network Capabilities (stabilized maintenance of ANSI/ATIS 1000666-1999 (R2014)): 9/9/2019

ANSI/ATIS 1000666.a-2000 (S2019), Supplement to T1.666-1999, Interactions Between the Operator Services Network Capabilities (OSNC) and Release to Pivot (RTP) (stabilized maintenance of ANSI/ATIS 1000666.a-2000 (R2014)): 9/9/2019

CTA (Consumer Technology Association)

Reaffirmation

* ANSI/CTA 709.4-2013 (R2019), Fiber-Optic Channel Specification (reaffirmation of ANSI/CTA 709.4-2013): 9/9/2019

* ANSI/CTA 805-E-2013 (R2019), Data Services on the Component Video Interfaces (reaffirmation and redesignation of ANSI/CTA 805-E-2013): 9/9/2019

Revision

* ANSI/CTA 2063-A-2019, Small Unmanned Aerial Systems Serial Numbers (revision and redesignation of ANSI/CTA 2063-2017): 9/3/2019

ESTA (Entertainment Services and Technology Association)

Reaffirmation

ANSI E1.27-2-2009 (R2019), Entertainment Technology - Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-2-2009 (R2014)): 9/9/2019

ANSI E1.30-3-2009 (R2019), EPI 25, Time Reference in ACN Systems Using SNTP and NTP (reaffirmation of ANSI E1.30-3-2009 (R2014)): 9/9/2019

ANSI E1.30-10-2009 (R2019), EPI 32, Identification of Draft Device Description Language Modules (reaffirmation of ANSI E1.30-10-2009 (R2014)): 9/9/2019

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 IG DS4P, R1-2014 (R2019), HL7 Version 3 Implementation Guide: Data Segmentation for Privacy (DS4P), Release 1 (reaffirmation of ANSI/HL7 V3 IG DS4P, R1-2014): 9/9/2019

ANSI/NSF/CAN 60-2019 (i81r1), Drinking Water Treatment Chemicals - Health Effects (revision and redesignation of ANSI/NSF 60-2018): 9/4/2019

ANSI/NSF/CAN 61-2019 (i149r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2018): 8/30/2019

OPEI (Outdoor Power Equipment Institute)

New National Adoption

ANSI/OPEI 60335-2-107-2019, (Standard) for Outdoor Power Equipment - Household and similar electrical appliances - Safety - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers (national adoption with modifications of IEC 60335-2-107): 9/5/2019

Reaffirmation

ANSI/OPEI B175.2-2012 (R2019), Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Handheld and Backpack Blowers and Blower-Vacuums - Safety Requirements and Performance Testing Procedures (reaffirmation of ANSI/OPEI B175.2-2012, ANSI/OPEI B175.2-2012/A1-2013): 9/9/2019

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 2901-2019, Standard for Antifreeze Solutions for Use in Fire Sprinkler Systems (new standard): 9/3/2019

ANSI/UL 8800-2019, Standard for Safety for Horticultural Lighting Equipment and Systems (new standard): 8/30/2019

Reaffirmation

ANSI/UL 123-2014 (R2019), Standard for Safety for Oxy-Fuel Gas Torches (reaffirmation of ANSI/UL 123-2014): 9/4/2019

ANSI/UL 574-2014 (R2019), Standard for Safety for Electric Oil Heaters (reaffirmation of ANSI/UL 574-2014): 9/6/2019

ANSI/UL 60745-2-11-2009 (R2019), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-11: Particular Requirements for Reciprocating Saws, (Jig and Sabre Saws) (reaffirmation of ANSI/UL 60745-2-11-2009 (R2014)): 9/4/2019

ANSI/UL 60745-2-21-2009 (R2019), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-21: Particular Requirements For Drain Cleaners (reaffirmation of ANSI/UL 60745-2-21-2009 (R2014)): 9/4/2019

Revision

ANSI/UL 98-2019, Standard for Safety for Enclosed and Dead-Front Switches (revision of ANSI/UL 98-2016): 8/30/2019

ANSI/UL 98-2019a, Standard for Safety for Enclosed and Dead-Front Switches (revision of ANSI/UL 98-2016): 8/30/2019

ANSI/UL 486F-2019, Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2018): 9/9/2019

ANSI/UL 486F-2019a, Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2018): 9/9/2019

ANSI/UL 705-2019, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2018): 8/30/2019

IIAR (International Institute of Ammonia Refrigeration)

Revision

ANSI/IIAR 5-2019, Startup of Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 5-2013): 9/9/2019

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

New National Adoption

INCITS/ISO/IEC 10118-4:1998/COR 1:2014 [2019], Information technology - Security techniques Hash-functions - Part 4: Hash-functions using modular arithmetic - Technical Corrigendum 1 (identical national adoption of ISO/IEC 10118-4:1998/COR 1:2014): 9/5/2019

INCITS/ISO/IEC 20546:2019 [2019], Information technology - Big data - Overview and vocabulary (identical national adoption of ISO/IEC 20546:2019): 9/9/2019

NECA (National Electrical Contractors Association)

New Standard

ANSI/NECA 417-2019, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids (new standard): 9/9/2019

Revision

ANSI/NECA 303-2019, Standard for Installing and Maintaining Closed-Circuit Television (CCTV) (revision of ANSI/NECA 303-2005): 9/9/2019

NETA (InterNational Electrical Testing Association)

Revision

ANSI/NETA ECS-2020, NETA Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ECS-2015): 9/9/2019

NSF (NSF International)

Revision

ANSI/NSF 2-2019 (i33r1), Food Equipment (revision of ANSI/NSF 2-2018): 9/2/2019

ANSI/NSF 4-2019 (i29r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016): 9/5/2019

ANSI/NSF 42-2019 (i101r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2018): 9/5/2019

ANSI/NSF 49-2019 (i147r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018): 9/2/2019

ANSI/NSF 53-2019 (i119r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2018): 9/5/2019

ANSI/NSF 244-2019 (i5r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018): 9/5/2019

ANSI/NSF 401-2019 (i14r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2018): 9/5/2019

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.

AMCi (AMC Institute)

Contact: Erin Carter, (703) 570-8954, ecarter@amcinstitute.org
908 King Street, Suite 320, Alexandria, VA 22314

Revision

BSR/AMCI A100.1-201x, AMC Standard of Good Practice (revision of ANSI/AMCI A100.1-2018)

Stakeholders: AMC owners/senior executive staff, association volunteer leaders, advisors, general interest.

Project Need: AMCI operates under periodic maintenance (five years from the date of the last approval as an American National Standard). This would be a limited revision to Section 6.7 and Section 7 related to insurance requirements of the Standard approved in 2018.

The AMC Institute Standard establishes requirements that provide a measurement for practices that can be utilized by all sizes and types of Association Management Companies (AMCs) in order to enhance the performance of the AMC and their staff.

AWI (Architectural Woodwork Institute)

Contact: Cheryl Dermyre, (229) 389-2539, cdermyre@awinet.org
46179 Westlake Drive, Suite 120, Potomac Falls, 20165

New Standard

BSR/AWI 0400-201x, Factory Finishing (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Determination of the evaluation criteria for the performance of coatings as well as the aesthetic qualities of the applied coating technologies. Application techniques and variations in chemistry as well as other variability in the factory finishing of wood products necessitate standards for the clear communication of expectations between stakeholders.

Provide standardized objective criteria for the evaluation of the performance and aesthetic attributes of coatings applied to architectural woodwork and related interior products including, but not limited to, cabinets, casework, doors, and miscellaneous millwork.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166

New National Adoption

BSR/AWS A4.5M/A4.5-201x (ISO 15792-3-201x), Standard Methods for Classification Testing of Positional Capacity and Root Penetration of Welding Consumables in a Fillet Weld (national adoption of ISO 15792-3:2011 with modifications and revision of ANSI/AWS A4.5M/A4.5:2012 (ISO 15792-3:2011))

Stakeholders: Welding industry using fillet weld.

Project Need: This edition adds a method of measurement using fillet weld gauges.

This standard describes preparation and assessment of a fillet weld piece. Test conditions prescribed and results required should not be considered to be requirements or expectations for a procedure qualification. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 886-B-201x, Thick Film Resistor Array Specification (revision and redesignation of ANSI/EIA 886-A-2014)

Stakeholders: Electrical, electronic, and telecommunications industries.

Project Need: Revise and redesignate current American National Standard.

This specification defines the requirements for a family of thick film chip resistors arrays in ceramic with various configurations and package sizes.

IES (Illuminating Engineering Society)

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

New Standard

BSR/IES TM-25-201x, Ray File Format for the Description of the Emission Property of Light Sources (new standard)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, luminaire manufacturers, luminaire testing laboratories, lighting software developers.

Project Need: This document defines the IES standardized ray file format to describe the emission properties of light sources that can be used in all commercially available design, analysis, and metrology software.

In the past few decades, the optical design of illumination systems (non-imaging optics) has benefited greatly from the advances in computer hardware and software. Many commercially available ray-tracing optical design and simulation software programs have been developed to support a wide variety of optical design tasks. All of these software packages can use ray files as source models. Ray files are typically generated by light source manufacturers using either an optical simulation or physical measurements using near-field goniometers. These ray files are then put in a specific format for each optical design program, which allows optical engineers to integrate the light source characteristics into their optical system design simulations. Ray files describe light sources by a large number of rays with individual start location, direction, flux, and optional spectral and/or polarization data.

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

Contact: *Mili Washington, (702) 430-9829, mwashington@iicrcnet.org*
4043 South Eastern Avenue, Las Vegas, NV 89119

New Standard

BSR/IICRC S410-201x, Standard for Infection Control during Professional Cleaning and Maintenance of the Commercial Built Environment (new standard)

Stakeholders: Anyone who performs cleaning of indoor environments affected by germs and pathogens, the property and facility management industry, health care facilities, long-term-care facilities, schools, and consumers who require the services described by this standard.

Project Need: The cleaning industry does not currently have a standard on effective infection control for cleaners who maintain the commercial built environment. This standard will focus on the principles, methods, and processes to clean and sanitize the built environment. We define the built environment as materials, building assemblies, structures, furniture, fixtures, and equipment located inside a building envelope. Further, this standard will focus on how to establish goals, comparing cleaning results in reaching a hygienically clean outcome. An American National Standard would provide guidance on proper cleaning and remediation procedures with antimicrobial biocides in the work environments.

This standard will provide a specific set of practical principles, methods, and processes to clean, sanitize, and evaluate the cleaning of the built environment where verifiable, hygienic cleaning is required. This standard will also establish methods and processes to document, evaluate, clean, and sanitize/disinfect and sterilize facilities that require a higher level of cleaning.

BSR/IICRC S760-201x, Standard for Professional Restoration of Structures and Items Damaged by Wildfire Smoke (new standard)

Stakeholders: Anyone who performs cleaning or restoration of indoor and outdoor environments affected by particles that settle from wildfires that occur in nature. The property, casualty, and liability insurance industry; brokers and agents who write property, casualty, and liability policies; consumers who require the services described by this standard; and anyone who represents an insured, or holds a lien on structures and contents damaged by wildfire and its smoke.

Project Need: The fire and smoke cleaning and restoration industry does not currently have industry consensus standards on the proper principles, methods, and processes to evaluate and restore structures and items damaged from fire and smoke originating from wildfires. There is a lack of consistent guidance on the evaluation, or restoration of items requiring cleaning or restoration from the unique ash and soot resulting from these large catastrophic events. This inconsistency leads to poor cleaning performance and concerns that the environment has not been properly restored. The end result is a waste of millions of dollars in insurance payouts for unnecessary claims that could have been prevented. An American National Standard would provide guidance on standard operating procedures for proper cleaning and remediation.

This standard will provide a specific set of practical principles, methods, and processes to evaluate and restore wildfire- and smoke-damaged porous and non-porous structural and personal items. This standard will also establish methods and processes to document, evaluate, clean and restore, and verify the cleanliness of structures and items damaged from the smoke of wildfires.

OPEI (Outdoor Power Equipment Institute)

Contact: *Greg Knott, (703) 549-7600, gknott@opei.org*
1605 King Street, Alexandria, VA 22314

Revision

BSR/OPEI B175.1-201X, (Standard) for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements (revision of ANSI/OPEI B175.1-2012)

Stakeholders: Manufacturers, suppliers, distributors, governmental agencies, testing entities, and consumers of chain saws and outdoor power equipment.

Project Need: Revise and update B175.1-2012 A1-2014. New proposals include (but not limited to) addition of top-handle chain saw requirements, new throttle control lock-out requirements, new heat protection (hot surfaces) requirements, and new fuel heating requirements.

The requirements of this standard apply to internal combustion engine-powered hand-held chain saws and replacement saw chains for use primarily in cutting wood. The purpose of this standard is to establish safety and environmental requirements for internal combustion engine-powered hand-held chain saws and replacement saw chains.

UL (Underwriters Laboratories, Inc.)

Contact: *Jennifer Fields, (919) 549-1007, jennifer.fields@ul.org*
12 Laboratory Dr., Research Triangle Park, NC 27709

New Standard

BSR/UL 8400-201X, Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment - Part 1: Safety (new standard)

Stakeholders: Manufacturers of virtual reality, augmented reality, and mixed reality technology equipment; the manufacturing supply chains; consumers; and government regulators and end users (in multiple fields).

Project Need: To obtain national recognition of a standard covering the safety of electrical and electronic equipment within the field of virtual reality, augmented reality, and mixed reality technology with a rated voltage not exceeding 600 V.

This standard is applicable to the safety of electrical and electronic equipment within the field of virtual reality, augmented reality, and mixed reality technology with a rated voltage not exceeding 600 V. Examples include but are not limited to VR/AR/MR head-mounted displays, holographic displays, AR glasses, hand-held AR devices, and VR simulators. This standard does not address its physiological and psychological effects other than virtual reality sickness (whose symptoms are similar to motion sickness). The standard does not cover risk of electrical shock, fire, thermal burn, and other product safety aspects already covered by the UL/IEC 62368-1 requirements for wearable electronics other than by reference.

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-AGRSS (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 "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

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.

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129
Web: www.ada.org

AGMA

American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314-1587
Phone: (703) 684-0211
Web: www.agma.org

AMCI

AMC Institute
908 King Street
Suite 320
Alexandria, VA 22314
Phone: (703) 570-8954
Web: www.amcinstitute.org

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005
Phone: (202) 682-8286
Web: www.api.org

ASA (ASC S2)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Web: www.acoustical society.org

ASCE

American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
Phone: (703) 295-6176
Web: www.asce.org

ASME

American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521
Web: www.asme.org

ASSP (Safety)

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

ASTM

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

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8843
Web: www.atis.org

AWI

Architectural Woodwork Institute
46179 Westlake Drive
Suite 120
Potomac Falls, VA 20165
Phone: (229) 389-2539
Web: www.awinet.org

AWS

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

AWWA

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

CTA

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

ECIA

Electronic Components Industry Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

ESTA

Entertainment Services and Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

HL7

Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777
Web: www.hl7.org

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

IICRC

The Institute of Inspection, Cleaning and Restoration Certification
4043 South Eastern Avenue
Las Vegas, NV 89119
Phone: (702) 430-9829
Web: www.thecleantrust.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

NCPDP

National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 296-4584
Web: www.ncdp.org

NECA

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

NETA

InterNational Electrical Testing Association
3050 Old Centre
Suite 101
Portage, MI 49024
Phone: (269) 488-6382
Web: www.netaworld.org

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246
Web: www.nfpa.org

NSF

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

OPEI

Outdoor Power Equipment Institute
1605 King Street
Alexandria, VA 22314
Phone: (703) 549-7600
Web: www.opei.org

PMI (Organization)

Project Management Institute
14 Campus Blvd
Newtown Square, PA 19073-3299
Phone: (313) 404-3507
Web: www.pmi.org

SCTE

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

UAMA (ASC B74)

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

UL

Underwriters Laboratories, Inc.
12 Laboratory Dr.
Research Triangle Park, NC 27709
Phone: (919) 549-1007
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 23036-1, Microbiology of the food chain - Methods for the detection of Anisakidae L3 larvae in fish and fishery products - Part 1: UV-press method - 11/28/2019, \$46.00

ISO/DIS 23036-2, Microbiology of the food chain - Methods for the detection of Anisakidae L3 larvae in fish and fishery products - Part 2: Artificial digestion method - 11/28/2019, \$53.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 52127-1, Energy performance of buildings - Building management system - Part 1: Module M10-12 - 11/25/2019, \$71.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO/DIS 23555-1, Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa - Part 1: General requirements - 11/25/2019, \$155.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 22910, Corrosion of metals and alloys - Measurement of the electrochemical critical localized corrosion temperature (E-CLCT) for stacked Ti alloys fabricated by the additive manufacturing method - 11/28/2019, \$53.00

CRYOGENIC VESSELS (TC 220)

ISO 23208/DAMd1, Cryogenic vessels - Cleanliness for cryogenic service - Amendment 1 - 9/30/2019, \$29.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 7425-1, Hydraulic fluid power - Housings for elastomer-energized, plastic-faced seals - Dimensions and tolerances - Part 1: Piston seal housings - 11/25/2019, \$46.00

ISO/DIS 7425-2, Hydraulic fluid power - Housings for elastomer-energized, plastic-faced seals - Dimensions and tolerances - Part 2: Rod seal housings - 11/25/2019, \$46.00

HEALTH INFORMATICS (TC 215)

ISO/DIS 21860, Health Informatics - Reference standards portfolio (RSP) - Clinical imaging - 11/25/2019, \$119.00

ISO/DIS 12967-1, Health informatics - Service architecture (HISA) - Part 1: Enterprise viewpoint - 11/25/2019, \$134.00

ISO/DIS 12967-2, Health informatics - Service Architecture (HISA) - Part 2: Information viewpoint - 11/25/2019, \$125.00

ISO/DIS 12967-3, Health informatics - Service Architecture (HISA) - Part 3: Computational viewpoint - 11/25/2019, \$98.00

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

ISO 11961/DAMd1, Petroleum and natural gas industries - Steel drill pipe - Amendment 1 - 9/27/2019, \$29.00

ISO/DIS 15590-2, Petroleum and natural gas industries - Factory bends, fittings and flanges for pipeline transportation systems - Part 2: Fittings - 11/28/2019, \$93.00

ISO/DIS 15590-3, Petroleum and natural gas industries - Factory bends, fittings and flanges for pipeline transportation systems - Part 3: Flanges - 11/28/2019, \$67.00

MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO/DIS 5167-3, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 3: Nozzles and Venturi nozzles - 11/24/2019, \$107.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 12925-1/DAMd1, Lubricants, industrial oils and related products (class L) - Family C (gears) - Part 1: Specifications for lubricants for enclosed gear systems - Amendment 1 - 9/26/2019, \$29.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 23130, Milking and cooling machine installations - Monitoring device for bulk milk cooling tanks - Requirements - 11/25/2019, \$46.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 17515-2, Intelligent transport systems - Evolved universal terrestrial radio access network (E-UTRAN) - Part 2: Device to device communications (D2D) - 11/25/2019, \$88.00

ISO Guides**OTHER**

ISO Guide 30/DAmD1, Reference materials - Selected terms and definitions - Amendment 1: Revisions of definitions for reference material and certified reference material - 9/28/2019, \$29.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 17839-2/DAmD1, Information technology - Biometric System-on-Card - Part 2: Physical characteristics - Amendment 1: Additional specifications - 9/26/2019, \$33.00

ISO/IEC DIS 21794-2, Information technology - Plenoptic image coding system (JPEG Pleno) - Part 2: Light field coding - 11/24/2019, \$165.00

IEC Standards

17C/722/CD, IEC 62271-204 ED2: High-voltage switchgear and controlgear - Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV, /2019/11/2

23/862/CD, IEC 63044-4 ED1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 4: General functional safety requirements for products intended to be integrated in Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS), /2019/11/2

29/1034/NP, PNW 29-1034 ED1: IEC 60318-8, Electroacoustics - Simulators of human head and ear - Part 8: Acoustic coupler for high-frequency hearing aid measurements, /2019/11/2

45/876/CD, IEC 63175 ED1: Nuclear instrumentation - Fixed high intensity proton cyclotron within the energy range of 10 ~ 20 MeV, /2019/11/2

48B/2758/CD, IEC 60512-27-200 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, /2019/11/2

48B/2756/FDIS, IEC 60512-28-100 ED2: Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2 000 MHz - Tests 28a to 28g, /2019/10/1

59K/310/CD, IEC 60350-2/AMD1 ED2: Amendment 1 - Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance, /2019/12/2

62B/1149/FDIS, IEC 63077 ED1: Good refurbishment practices for medical imaging equipment, /2019/10/1

62C/744/FDIS, IEC 60580 ED3: Medical electrical equipment - Dose area product meters, /2019/10/1

62D/1700/CDV, ISO 80601-2-13 ED2: Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation, /2019/11/2

77B/805/CDV, IEC 61000-4-20 ED3: Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides, /2019/11/2

86A/1964/FDIS, IEC 60793-2 ED9: Optical fibres - Part 2: Product specifications - General, /2019/10/1

86B/4232/FDIS, IEC 61300-2-54 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-54: Tests - Corrosive atmosphere (mixed gas), /2019/10/1

124/70/CDV, IEC 63203-402-1 ED1: Wearable electronic devices and technologies - Part 402-1: Devices and Systems - Accessory - Test methods of glove-type motion sensors for measuring finger movements, /2019/11/2

CIS/H/400/CDV, IEC 61000-6-3 ED3: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments, /2019/11/2

CIS/H/401/CDV, IEC 61000-6-8 ED1: Electromagnetic compatibility (EMC) - Part 6-8: Generic standards - Emission standard for professional equipment in commercial and light-industrial locations, /2019/11/2



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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/IEC JTC 1 Technical Reports

ISO/IEC TR 16351:2019, Information technology - Systems and software engineering - Application management guidance on the relationship between ISO/IEC 16350:2015 and Application Service Library®, \$68.00

AIR QUALITY (TC 146)

ISO 20264:2019, Stationary source emissions - Determination of the mass concentration of individual volatile organic compounds (VOCs) in waste gases from non-combustion processes, \$162.00

ANALYSIS OF GASES (TC 158)

ISO 6145-1:2019, Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 1: General aspects, \$138.00

BASES FOR DESIGN OF STRUCTURES (TC 98)

ISO 22111:2019, Bases for design of structures - General requirements, \$185.00

BUILDING CONSTRUCTION (TC 59)

ISO 21723:2019, Buildings and civil engineering works - Modular coordination - Module, \$68.00

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

ISO 18408:2019, Simplified structural design for reinforced concrete wall buildings, \$209.00

ISO 13315-6:2019, Environmental management for concrete and concrete structures - Part 6: Use of concrete structures, \$138.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 20338:2019, Oxygen reduction systems for fire prevention - Design, installation, planning and maintenance, \$138.00

FINE CERAMICS (TC 206)

ISO 22601:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determination of phenol oxidative decomposition performance of semiconducting photocatalytic materials by quantitative analysis of total organic carbon (TOC), \$103.00

FLUID POWER SYSTEMS (TC 131)

ISO 3601-1/Amd1:2019, Fluid power systems - O-rings - Part 1: Inside diameters, cross-sections, tolerances and designation codes - Amendment 1, \$19.00

ISO 6358-2:2019, Pneumatic fluid power - Determination of flow-rate characteristics of components using compressible fluids - Part 2: Alternative test methods, \$185.00

IMPLANTS FOR SURGERY (TC 150)

ISO 14117:2019, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators and cardiac resynchronization devices, \$232.00

ISO 14708-2:2019, Implants for surgery - Active implantable medical devices - Part 2: Cardiac pacemakers, \$209.00

ISO 14708-6:2019, Implants for surgery - Active implantable medical devices - Part 6: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (including implantable defibrillators), \$209.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 20140-1:2019, Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 1: Overview and general principles, \$68.00

ISO 8000-116:2019, Data quality - Part 116: Master data: Exchange of quality identifiers: Application of ISO 8000-115 to authoritative legal entity identifiers, \$45.00

NUCLEAR ENERGY (TC 85)

ISO 11665-2:2019, Measurement of radioactivity in the environment - Air: radon-222 - Part 2: Integrated measurement method for determining average potential alpha energy concentration of its short-lived decay products, \$103.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 4259-1/Amd1:2019, Petroleum and related products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test - Amendment 1, \$19.00

ISO 4259-2/Amd1:2019, Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test - Amendment 1, \$19.00

PLASTICS (TC 61)

ISO 22404:2019, Plastics - Determination of the aerobic biodegradation of non-floating materials exposed to marine sediment - Method by analysis of evolved carbon dioxide, \$68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21745:2019, Electronic record books for ships - Technical specifications and operational requirements, \$138.00

SOIL QUALITY (TC 190)

ISO 21268-1:2019, Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil-like materials - Part 1: Batch test using a liquid to solid ratio of 2 l/kg dry matter, \$162.00

ISO 21268-2:2019, Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil-like materials - Part 2: Batch test using a liquid to solid ratio of 10 l/kg dry matter, \$162.00

ISO 21268-3:2019, Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil-like materials - Part 3: Up-flow percolation test, \$162.00

STEEL (TC 17)

ISO 10679:2019, Steels - Cast tool steels, \$68.00

TEXTILES (TC 38)

ISO 1833-9:2019, Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate with certain other fibres (method using benzyl alcohol), \$45.00

ISO 21701:2019, Textiles - Test method for accelerated hydrolysis of textile materials and biodegradation under controlled composting conditions of the resulting hydrolysate, \$68.00

ISO 3175-5:2019, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 5: Procedure for testing performance when cleaning and finishing using dibutoxymethane, \$68.00

ISO 3175-6:2019, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 6: Procedure for testing performance when cleaning and finishing using decamethylpentacyclosiloxane, \$68.00

ISO 1833-14:2019, Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate with certain other fibres (method using glacial acetic acid), \$45.00

ISO 1833-17:2019, Textiles - Quantitative chemical analysis - Part 17: Mixtures of cellulose fibres and certain fibres with chlorofibres and certain other fibres (method using concentrated sulfuric acid), \$45.00

ISO Technical Reports

FLUID POWER SYSTEMS (TC 131)

ISO/TR 22681:2019, Hydraulic fluid power - Impact and use of ISO 11171:2016 m(b) and m(c) particle size designations on particle count and filter test data, \$68.00

ROAD VEHICLES (TC 22)

ISO/TR 23791:2019, Road vehicles - Extended vehicle (ExVe) web services - Result of the risk assessment on ISO 20078 series, \$185.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TR 14823-2:2019, Intelligent transport systems - Graphic data dictionary - Part 2: Examples, \$138.00

ISO Technical Specifications

IMPLANTS FOR SURGERY (TC 150)

ISO/TS 17137:2019, Cardiovascular implants and extracorporeal systems - Cardiovascular absorbable implants, \$162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 11770-4/Amd1:2019, Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC), \$19.00

ISO/IEC 15444-16:2019, Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12, \$68.00

ISO/IEC TS 20748-4:2019, Information technology for learning, education and training - Learning analytics interoperability - Part 4: Privacy and data protection policies, \$138.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Reaccreditation

Air Conditioning Contractors of America (ACCA)

Comment Deadline: October 14, 2019

The Air Conditioning Contractors of America (ACCA), an ANSI member and Accredited Standards Developer (ASD), has submitted revisions to its currently accredited operating procedures for documenting consensus on ACCA-sponsored American National Standards, under which it was last reaccredited in 2013. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Danny Halel, ANSI Coordinator, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206; phone: 618.402.4440; e-mail: danny.halel@acca.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to ACCA by October 14, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthomps@ANSI.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 202/SC 1 – Microbeam Analysis Terminology

Comment Deadline: October 11, 2019

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 202/SC 1 – Terminology. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 202/SC 1 to ASTM International. ASTM International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 202/SC 1 operates under the following scope:

Development of Terminology standards within the scope of ISO/TC 202 – Microbeam analysis:

Standardization in the field of microbeam analysis (measurement, parameters, methods and reference materials) which uses electrons as an incident beam and electrons and photons as the detection signal.

Note: The purpose is to analyze the compositional and structural characteristics of solid materials. The volume of analysis will generally involve a depth up to 10 micrometers and a surface area less than 100 square micrometers.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 202. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 202 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by October 11, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

U.S. Technical Advisory Groups

Application for Accreditation

U.S. Technical Advisory Group (TAG) to ISO TC 34, Food Products

Comment Deadline: October 14, 2019

AOAC International has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 34, Food Products, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Ms. Deborah McKenzie, Senior Director, Standards and Official MethodsSM, AOAC International, 2275 Research Boulevard, Suite 300, Rockville, MD 20850; phone: 301.924.7077, ext. 157; e-mail: dmckenzie@aoac.org. Please submit your comments to the AOAC International by October 14, 2019 (please copy jthomps@ansi.org).

U.S. Technical Advisory Group (TAG) to ISO TC 34/SC 5, Milk and Milk Products

Comment Deadline: October 14, 2019

The U.S. Department of Agriculture (USDA) has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 34/SC 5, Milk and Milk Products, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Michael Sussman, Ph.D., Senior Research Scientist, U.S. Department of Agriculture, Agricultural Marketing Service, Agricultural Analytics Division, 1400 Independence Avenue, SW, Mailstop 0262, Room 2607, Washington, DC 20250; phone: 202.260.9106; e-mail: michael.sussman@usda.gov. Please submit your comments to the USDA by October 14, 2019 (please copy jthomps@ansi.org).

Meeting Notices

R15 Standards Approval committee (SAC)

ANSI-Accredited Standards Committee: R15 Standards Approval Committee (SAC)

Meeting Format & Location: Remote via WebEx.

Purpose: Review draft documents developed by R15.06, R15.08, and Procedures Team.

Day/Date/Time: Monday, December 2, 2019, 1-3 PM ET.

For More Information: Contact Carole Franklin, cfranklin@robotics.org.

Z359 Committee for Fall Arrest/Protection

The American Society of Safety Professionals (ASSP) serves as the secretariat of the ANSI Z359 Committee for Fall Arrest/Protection. The next meeting of the Z359 Committee will take place on November 12, 13, and 14, 2019 in Schaumburg, IL.

Meeting space is limited and is available on a first-come, first-serve basis. Those interested in participating can contact ASSP for additional information at OMunteanu@assp.org.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrators

Subcommittees of TC 17 – Steel

There is currently no ANSI-accredited U.S. TAG Administrator for TC 17/SC 4, TC 17/SC 7, TC 17/SC 9, TC 17/SC 15, TC 17/SC 17, and TC 17/SC 20, and therefore ANSI is not a member of these committees.

The Secretariats for these committees are currently held by Germany (DIN) for TC 17/SC 4; France (AFNOR) for TC 17/SC 7; Japan (JISC) for TC 17/SC 9; China (SAC) for TC 17/SC 15 and TC 17/SC 17; and Sweden (SIS) for TC 17/SC 20.

TC 17/SC 4 operates under the following scope:

Standardization of qualities, dimensions and tolerances of heat treatable and alloy steels used mainly in the engineering and automotive industry in either the non-heat treated or the heat treated conditions. Examples are free-cutting, bright, stainless, heat-resisting, tool, spring, valve and roller bearing steels including tubular products for these applications, but not those covered by ISO/TC 5.

TC 17/SC 7 operates under the following scope:

Standardization of methods of testing steel other than:

mechanical tests

chemical analysis

non-destructive tests covered by other ISO/TC 17/SCs and ISO/TC 135.

TC 17/SC 9 operates under the following scope:

Standardization of tinsplate and blackplate – Qualities, dimensions, packaging, shipping, stocking and loading.

TC 17/SC 15 operates under the following scope:

Standardization of terminology, technical requirements, materials, dimensions and tolerances, test methods for railway rails, rail fasteners, wheel and wheelsets.

TC 17/SC 17 operates under the following scope:

Standardization of qualities, dimensions and tolerances of steel wire rod and steel wire products from a wire mill.

Standardization of types and qualities of wire rod (unalloyed steel for wire drawing and wire rod for electrodes).

Standardization of types and qualities of wires in so far as they are only used in that product form.

Excluded are those products which are already standardized by other Committees, eg, steel wire ropes excluding stainless steel wire, stainless steel wire rod and heat resisting wire which remain the responsibility of ISO/TC 17/SC 4.

TC 17/SC 20 operates under the following scope:

Standardization of general technical delivery conditions, inspection documents and general rules for selection and preparation of samples and test pieces for mechanical testing of wrought steels.

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



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

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

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

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

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

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

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

NSF/ANSI Standard

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

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

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-
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Annex R (normative)

Toxicology review and evaluation procedures for swimming pool treatment chemicals

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R.3 Product information requirements

R.3.1 Product formulation submission

The manufacturer shall submit, at a minimum, the following information for each swimming pool treatment chemical:

- a proposed maximum dose rate for the product;
- complete formulation information, which includes the following:
 - the composition of the formulation (in percent or parts by weight for each chemical in the formulation;
 - the reaction mixture used to manufacture the chemical, if applicable;
 - chemical abstract number (CAS number), chemical name and supplier for each chemical present in the formulation;
 - a list of known or suspected impurities within the treatment chemical formulation and the maximum percent or parts by weight of each impurity;
 - a description or classification of the process in which the treatment chemical is manufactured, handled, and packaged.

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R.3.2 Approved Standard Evaluation Levels

Table R.1 lists chemicals used in the treatment of recreational water. The standardized evaluation level has been previously approved under Annex R for use in recreational water and listed chemicals may be used at the stated dose, or less, without further Annex R evaluation. However, this does not exempt the recreational water treatment products from contaminant testing or the evaluation of any measured contaminants to the requirements of Annex R.

Table R.1 – Approved Standardized Evaluation Levels

Chemical	Synonyms	Strength	CAS#	Standardized Evaluation Level (mg/L)	Standardized Evaluation Level (lbs/10,000 gal)
Dechlorinator Chemicals¹					
Calcium Thiosulfate		100%	10124-41-1	90	7.5 lbs
Hydrogen Peroxide		35%	772-84-1	60	1.5 gal. of 35%
Sodium Thiosulfate		100%	7772-98-7	100	8.3 lbs
Sodium Sulfite		100%	7757-83-7	70	5.8 lbs
Sodium Bisulfite		100%	7631-90-5	60	5 lbs
Sodium Metabisulfite		100%	7681-57-4	60	5 lbs
Alkalinity and pH Adjustment Chemicals					
Calcium Carbonate		100%	471-34-1	400	33.4 lbs
Calcium Hydroxide	Slaked lime	100%	1305-62-0	650	54 lbs
Calcium Oxide		100%	1305-78-8	500	42 lbs
Carbon Dioxide		100%	124-38-9	600	50 lbs
Hydrochloric Acid	Muriatic acid	32%	7647-01-0	500	13.5 gal. of 32%
Magnesium Hydroxide		100%	1309-42-8	150	12.5 lbs
Magnesium Oxide		100%	1309-48-4	100	8.3 lbs
Potassium Carbonate		100%	584-08-7	280	23.4 lbs
Potassium Hydroxide	Caustic soda	50%	1310-58-3	100	1.3 gal. of 50%
Sodium Carbonate	Soda ash	100%	497-19-8	212	17.7 lbs
Sodium Bicarbonate	Baking soda	100%	144-55-8	165	13.8 lbs
Sodium Bisulfate		100%	7681-38-1	500	42 lbs
Sodium Hydroxide		50%	1310-73-2	100	1.3 gal. of 50%
Sodium Percarbonate		100%	15630-89-4	315	26 lbs
Sodium Sesquicarbonate		100%	533-96-0	190	15.9 lbs

Tracking #50i159r1
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Draft 1, Issue 159 (August 2019)

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Sulfuric Acid		38%	7664-93-9	550	7.9 gal. of 38%
Calcium Hardness					
Calcium Chloride		100%	10043-52-4	400	33 lbs
Stabilizer					
Cyanuric Acid		100%	108-80-5	50	4.2 lbs
Sodium Tetraborate pentahydrate		69%	12179-04-3	330	27.5 lbs
Other					
Ascorbic Acid		100%	50-81-7	12	1 lbs
Sodium Ascorbate		100%	134-03-2	12	1 lbs
Citric acid		100%	77-92-9	20	1.7 lbs
Sodium citrate		100%	68-04-2	20	1.7 lbs
¹ Standardized evaluation levels for dechlorinating compounds at minimum can neutralize 40 ppm of free available chlorine.					

R.4 Initial toxicity screen/threshold of evaluation

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BSR/UL 12402-4, Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 — Safety requirements, UL 12402-4

1. The first edition of the Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 — Safety requirements, UL 12402-4

PROPOSAL

3.28DV D2 Modification by adding somatotypes definition to clause 3:
 3.28.1DV somatotypes - four categories of human body types ~~based~~
~~physical characteristics characterized as~~: endomorphy (En), mesomorphy
 (Me), ectomorphy (Ec), and central (Ce).

- a) endomorph (En) - body type having a more rounded appearance with limited muscle definition, normal bone structure, higher body fat, and typically the waist and thigh areas carry a larger percentage of body mass than the upper chest area
- b) mesomorph (Me) - body type having well defined muscles, large bone structure, and low body fat with broad shoulders tapering to a defined narrower waist
- c) ectomorph (Ec) - lean body type with low muscle mass, light bone structure, and low body fat with a linear physique
- d) central somatotype - body type having no dominant endomorph, mesomorph, or ectomorph characteristics

5.2.3 Whistle

The lifejacket shall be provided with a whistle. The whistle shall comply with ISO 12402-8:2006, 5.2.

5.2.3DV D2 Modification by ~~deleting revising the entire~~ clause 5.2.3 as follows:
The lifejacket shall be provided with a multi-tone whistle.

~~5.2DV.1 Addition of a new requirement to clause 5.2:~~

~~5.2.3 Personal Locator Light Holder~~

~~Each life jacket shall be fitted with a personal locator light holder that accepts compatible locator lights meeting the minimum standard of IMO Life-Saving Appliances Code. This light location must be above the water level when the user is in the upright position.~~

Table 6DV.3.1 Sizing Information for PFD Labels

Size Class English ^{1, 2}	Size Class French ^{1, 2}	Size Class Spanish ^{1, 2}	Maximum Weight Range	Chest Size ^{1, 4}	Waist Size ^{1, 4}
"ADULT" ³	ADULTE	ADULTOS	"> 41-40 kg (> 90-88 lbs.)" ²	Mandatory	<u>Mandatory</u>
"YOUTH/ADULT"	JEUNESSE / ADULTE	JOVEN/ ADULTO	"> 40-35 ~ 50 kg (> 88 ~ 110 77 lbs.)" ²	Mandatory	<u>Mandatory</u>
"YOUTH"	JEUNESSE	JOVEN	">25 - 40 kg (>55 - 88 lbs.)" ²	Optional	<u>Mandatory</u>
"CHILD"	ENFANT	NIÑO	">15 - 25 kg (>33 - 55 lbs.)" ²	Optional	<u>Mandatory</u>
<u>"INFANT/CHILD"</u>	<u>NOURRISSONS/ENFANT</u>	<u>NIÑO</u>	<u><23 kg (<50 lbs.)</u>	<u>Optional</u>	<u>Mandatory</u>
<u>"INFANT"</u>	<u>NOURRISSONS</u>	<u>BEBÉ</u>	<u><14 kg (<30 lbs)</u>	<u>Optional</u>	<u>Mandatory</u>
¹ If this marking is not visible when the device is packaged, it shall also appear on the package.					
² Notwithstanding 6DV.2.1, the size class on the device shall have a letter height of no less than 9 mm (0.35 in).					
³ The size class may be followed by a size description, such as but not limited to: "S", "M", "L", "UNIVERSAL", or "OVERSIZE".					
⁴ Shall be expressed in inches and centimeters over a range of not less than 2 inches; for example, "76 to 81 cm (30 to 32 in)".					

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BSR/UL 60079-1, Standard for Safety for *Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures "d"*

1. Revision to 13.6.5 to include US difference for Level of Protection "db" plugs and sockets limited to EPL Gc

PROPOSAL

13.6.5DV DR Modification of Clause 13.6.5 to replace with the following:

The requirements of 13.6.2 through 13.6.4 inclusive do not apply to plugs and sockets or to cable couplers fixed together by means of special fasteners conforming to 11.1 and which bear a marking in accordance with Table 14, point b). Plugs and sockets with this construction are limited to be marked only for EPL Gc.

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BSR/UL 61010-2-034, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-034: Particular Requirements for Measurement Equipment for Insulation Resistance and Test Equipment for Electric Strength

1. This proposal provides a revision to delete proposed new 3.3DV provided in the July 12, 2019 proposal document based on the responses to comments received.

PROPOSAL

~~3.3DV D2 Modification: Add the following paragraph:~~

~~If the function or range controls have any effect on the electrical characteristics of the input circuit, the test shall be repeated with these controls being changed to all possible settings while the input TERMINALS are connected to the maximum RATED source.~~

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BSR/UL 2900-2-3, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems

1. This proposed First Edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems, UL 2900-2-3, applies to the evaluation of security and life safety signaling system components including, but not limited to, alarm control units; intrusion detection equipment; general purpose signaling units; digital video equipment and systems; mass notification and emergency communication / evacuation equipment and systems; control servers; alarm automation system software; alarm receiving equipment; anti-theft equipment; automated teller machines; fire alarm control systems; network connected locking devices; PSIM systems; smoke control systems; smoke / gas / CO detection devices; audible and visual signaling devices (fire and general signaling); access control equipment and systems; and smart locks.

4 General

Table 4.1

Level	Description
L1	Includes foundational cybersecurity testing requirements for security risk assessment of software in products covered in this standard. Provides assessment of general security capabilities of a product with limited knowledge of the internal security controls of the product. <u>L1 does not require the submission of source code.</u> This level is closest to “black box” testing. L1 is recommended as a minimum level of assessment.
L2	Includes L1 assessment and testing requirements and additional supplemental requirements for security risks assessment of software in products. <u>Source code is tested at this level.</u> Provides assessment of security capabilities of a product with knowledge of internal security controls of the product. <u>Because specific protections for sensitive data are included at L2, this is the lowest level recommended for products sending, receiving, or processing sensitive data.</u>
L3	Includes L1 and L2 assessment and testing requirements and additional supplemental requirements of the vendor process and management. Provides assessment of security capabilities of a product with knowledge of internal security controls of the product and knowledge of the business practices of the vendor to support the lifecycle of the product.

4.2 The product shall comply with the clauses identified in the tables of each section of this standard per the Level intended. The level intended will be marked with an X per the applicable clause. Where an X is not applied, the clause is not mandatory for the Level. In keeping with this approach, when a clause calls for compliance with another section of this standard, only sub-clauses for the level intended (marked with an “X”) are applicable.

5 Product Documentation

Table 5.1

Clause	L1	L2	L3
5.1 The product shall comply with: Product Documentation, Section 4.1.1 (c), (e), (d), and (f), of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	✗	X	
5.2 The product shall comply with: Product Documentation, Section 4.1 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	

	Clause	L1	L2	L3
5.3	The product shall comply with: Product Documentation, Section 4.1.1.(b) of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		

6 Product Design Documentation

Table 6.1

	Clause	L1	L2	L3
6.1	The product shall comply with: Product Design Documentation, Section 5.1 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X	X	

7 Documentation for Product Use

Table 7.1

	Clause	L1	L2	L3
7.1	The product shall comply with: Documentation for Product Use, Section 6.1 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
7.2	The product shall comply with: Documentation for Product Use, Section 6.2 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
7.3	The product shall comply with: Documentation for Product Use, Section 6.3 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
7.4	The product shall comply with: Documentation for Product Use, Section 6.4 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
7.5	The product shall comply with: Documentation for Product Use, Section 6.5 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
7.6	The product shall comply with: Documentation for Product Use, Section 6.6 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X	X	
7.7	The product shall comply with: Documentation for Product Use, Section 6.7 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
7.8	The product shall comply with: Documentation for Product Use, Section 6.8 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
7.9	The product shall comply with: Documentation for Product Use, Section 6.9 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
7.10	The product shall comply with: Documentation for Product Use, Section 6.10 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	

8 General

Table 8.1

	Clause	L1	L2	L3
8.1	The product shall comply with: Risk Controls - General, Section 7.1.1 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1. <u>The product (or the product's vendor, as applicable) shall comply with all of the applicable controls specified in Clauses 9 – 12 of this standard, unless the risk assessment performed by the vendor according to Section 13, Vendor Product Risk Management Process, shows that the risks associated with not implementing a specific control are acceptable in product use.</u>	X		
8.2	The product shall comply with: Risk Controls - General, Section 7.1.2 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
8.3	The product shall comply with: Risk Controls - General, Section 7.1.3 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		

12 Product Management

Table 12.1

	Clause	L1	L2	L3
12.1	The product shall comply with: Product Management, Section 11.1 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
12.2	The product shall comply with: Product Management, Section 11.2 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
12.3	The product shall comply with: Product Management, Section 11.3 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
12.4	The product shall comply with: Product Management, Section 11.4 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
12.5	The product shall comply with: Product Management, Section 11.5 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X		
12.6	The product shall comply with: Product Management, Section 11.6 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.	X	X	
12.7	The product shall comply with: Product Management, Section 11.7 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	
12.8	The product shall comply with: Product Management, Section 11.8 of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, UL 2900-1.		X	

14 Known Vulnerability Testing**Table 14.1**

	Clause	L1	L2	L3
14.1	The product shall comply with: Known Vulnerability Testing, Section 13.1 of the Standard for Software Cybersecurity for Network-Connectable Devices: General Requirements, UL 2900-1.	✗	✗	
14.2	The product shall comply with: Known Vulnerability Testing, Section 13.2 of the Standard for Software Cybersecurity for Network-Connectable Devices: General Requirements, UL 2900-1.	✗	✗	

15 Malware Testing**Table 15.1**

	Clause	L1	L2	L3
15.1	The product shall comply with: Malware Testing, Section 14.1 of the Standard for Software Cybersecurity for Network-Connectable Devices: General Requirements, UL 2900-1.	✗	✗	
15.2	The product shall comply with: Malware Testing, Section 14.2 of the Standard for Software Cybersecurity for Network-Connectable Devices: General Requirements, UL 2900-1.	✗	✗	

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BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

1. Addition of reference to 62368-1 as an alternative to UL 60950-1

PROPOSAL

SB2.1 Controls that respond to external communication signals or data shall comply with the construction and performance requirements of the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, and tested as an operating control utilizing the parameters specified in Table SB1. If the control also incorporates protective functions, these control functions shall be evaluated to the requirements for protective controls.

Exception No. 1: This requirement is not applicable to controls located in low voltage circuits where the maximum power available does not exceed 15 W. This exception does not exempt the control from investigation for compliance with SB3.1.

Exception No. 2: Compliance with the Standard for Solid-State Controls for Appliances, UL 244A, taking into account criteria comparable to that specified in Table SB1 is considered to fulfill this requirement.

Exception No. 3: Compliance with the Standard for Limit Controls, UL 353, taking into account criteria comparable to that specified in Table SB1 is considered to fulfill this requirement.

Exception No. 4: A communication device that is not integral with the appliance control (e.g. on a separate PWB) and complying with the Standard for Information Technology Equipment Safety - Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1 is considered to fulfill this requirement.

SB2.5 The separation of communication circuits from power and control circuits shall be evaluated for risk of electric shock in accordance with the applicable requirements of this standard.

Exception: Compliance with the separation of circuits requirements of the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, ~~or the Standard for Information Technology Equipment Safety – Part 1: General Requirements, UL 60950-1,~~ or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1 is considered to fulfill this requirement.

SB2.6 A communication or display device, such as a router or monitor, provided as an accessory (not standard/integral equipment with the water heater) for use with the appliance, shall comply with the Standard for Information Technology Equipment Safety – Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

SB2.13 External communication conductors and cables shall comply with the Standard for Information Technology Equipment Safety – Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

SB2.15 Communication connectors and data ports accessible to the user and service personnel shall comply with the Standard for Information Technology Equipment Safety – Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. Otherwise, communication connectors and data ports shall be evaluated in accordance with this appliance standard.

SB5.1 Accessory devices shall be marked with the manufacturer's name (or symbol), a part or catalog number, and electrical ratings. Literature packaged with the accessory shall identify the appliance(s) for which it is intended to be used. Additional markings or literature may be required, as appropriate, when the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, and/or the Standard for Information Technology Equipment Safety – Part 1: General Requirements, UL 60950-1, and/or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1 requirements are applied.

Exception: Battery operated devices may be marked with information identifying the appropriate battery(ies) in lieu of electrical ratings.

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

1. Replacement of References to IEC 60167 with References to IEC 62631-3-3 in Section 22 (Volume Resistivity)

22.1 The test for the determination of the d-c resistance or conductance of insulating materials is described in the Standard Test Methods for D-C Resistance or Conductance of Insulating Materials, ASTM D 257 (~~IEC 60167 Dielectric and resistive properties of solid insulating materials - Part 3-3: Determination of resistive properties (DC methods) - Insulation resistance, IEC 62631-3-3~~).

22.2 The Standard Test Methods for DC Resistance or Conductance of Insulating Materials, ASTM D 257 (~~IEC 60167 Dielectric and resistive properties of solid insulating materials - Part 3-3: Determination of resistive properties (DC methods) - Insulation resistance, IEC 62631-3-3~~) cover procedures for the determination of d-c volume resistance, volume resistivity, surface resistance, and surface resistivity of electrical insulating materials. The test procedure in this standard specifically excludes the determination of insulation resistance as described within ASTM D 257 (paragraph 12.1).

22.3 The test procedure for volume resistance or conductivity is described in paragraph 12.2 of the Standard Test Methods for DC Resistance or Conductance of Insulating Materials, ASTM D 257 (~~IEC 60167 Dielectric and resistive properties of solid insulating materials - Part 3-3: Determination of resistive properties (DC methods) - Insulation resistance, IEC 62631-3-3~~). Three specimens are to be tested following a conditioning of 48 hours at $23.0 \pm 2.0^{\circ}\text{C}$ ($73.4 \pm 3.6^{\circ}\text{F}$) and 50 \pm 10 percent relative humidity, and 3 specimens are to be tested following a conditioning of 96 hours at $35.0 \pm 1.0^{\circ}\text{C}$ ($95.0 \pm 1.8^{\circ}\text{F}$) and 90 \pm 2 percent relative humidity. Immediately following conditioning, the specimen is placed in the testing apparatus and secured. Voltage is to be applied across the thickness of the specimen (between electrodes 1 and 3 of Figure 24.1). The duration of the applied direct voltage is 1 minute at 500 V. The resistance is to be accurately measured.

22.4 The test procedure for surface resistance or conductance is described in paragraph 12.3 of the Standard Test Methods for DC Resistance or Conductance of Insulating Materials, ASTM D 257 (~~IEC 60167 Dielectric and resistive properties of solid insulating materials - Part 3-3: Determination of resistive properties (DC methods) - Insulation resistance, IEC 62631-3-3~~). Samples are to be conditioned as described in 22.3. After conditioning, the specimen is placed in the testing apparatus and secured. Voltage is to be applied across the surface of the specimen. The 500 V dc voltage is to be applied for 1 minute. The resistance is to be accurately measured.

BSR/UL 921, Standard for Safety for Commercial Dishwashers

1. Proposed new edition of bi-national standard UL 921 / C22.2 No. 168

PROPOSAL

2.3 Reference publications

UL¹ Standards

UL 921

Standard for Commercial Dishwashers

UL 60335 - 2 – 34 (4th, 5th, and 6th Editions)

Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors

SA4 Heat Load Calculation Test (United States Only)

SA4.1 A door type dishwasher shall be installed in accordance with the dishwasher manufacturer's instructions under a minimum 1.5-m wide by 1.2-m deep (5-ft wide by 4-ft deep) canopy exhaust hood operating at a minimum nominal ventilation rate of 48.14 m³/min (1700 ft³/min). The hood's capture and containment of the thermal plume shall be verified in accordance with Clause SA4.12.

SA4.2 A conveyor type dishwasher shall be installed in accordance with the dishwasher manufacturer's instructions under a 3.0-m wide by 1.2-m deep (10-ft wide by 4-ft deep) canopy exhaust hood at minimum nominal ventilation rate of 59.47 m³/min (2100 ft³/min). The vent cowl exhaust duct shall be operated at the manufacturers specified maximum exhaust flow rate or, if not specified, at a nominal 200 cfm (94.4 L/s) on the entrance side and 400 cfm (188.8 L/s) on the exit side. The hood's capture and containment of the thermal plume shall be verified in accordance with Clause SA4.12.

SA4.3 For a dishwasher not equipped with a booster, the water heater shall be installed in accordance with the manufacturer's recommendations. The pipe from the booster outlet to the dishwasher inlet shall be minimized and shall be wrapped with 13-mm (1/2-in) insulation along its entire length. The

booster shall be connected to a supply of water, within $+1.7^{\circ}\text{C}$ ($+3^{\circ}\text{F}$) of its input temperature and shall not exceed $60+1.7^{\circ}\text{C}$ ($140+3^{\circ}\text{F}$).

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