VOL. 50, #15 April 12, 2019

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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

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

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

Standard for consumer products

### **Comment Deadline: May 12, 2019**

### **NSF (NSF International)**

### Revision

BSR/NSF 2-201x (i34r3), Food Equipment (revision of ANSI/NSF 2-2018)

Equipment covered by this Standard includes, but is not limited to, bakery, cafeteria, kitchen, and pantry units and other food handling and processing equipment such as tables and components, counters, hoods, shelves, and sinks.

Click here to view these changes in full

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

BSR/NSF 61-201x (i150r1), Drinking Water Systems Components - Health Effects (revision of ANSI/NSF 61-2018)

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

Click here to view these changes in full

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

BSR/NSF 170-201x (i24r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

Definitions covered by this Standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Food Equipment and Sanitation Standards.

Click here to view these changes in full

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

BSR/NSF 245-201x (i15r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

Click here to view these changes in full

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

### Comment Deadline: May 27, 2019

### AGMA (American Gear Manufacturers Association)

### Withdrawal

ANSI/AGMA ISO 14104-2017, Gears - Surface Temper Etch Inspection after Grinding (withdrawal of ANSI/AGMA ISO 14104-2017)

This standard specifies standard procedures and requirements for the detection and classification of localized overheating on ground surfaces by chemical etch methods.

Single copy price: \$44.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

Send comments (with copy to psa@ansi.org) to: aboutaleb@agma.org

### **API (American Petroleum Institute)**

### **New National Adoption**

BSR/API RP 13M-6/ISO 13503-6-201x, Recommended Practice for Measuring Leakoff of Completion Fluids Under Dynamic Conditions - 1st Edition-2016 (national adoption with modifications of ISO 13503-6:2012)

This recommended practice provides a procedure for measuring fluid loss (leakoff) under dynamic conditions. This procedure is applicable to all completion fluids except those that react with porous media.

Single copy price: \$103.00 non-member. (API members recieve a 30% discount.)

Obtain an electronic copy from: rouechej@api.org

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

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

### **New Standard**

BSR/ASHRAE Standard 216-201x, Methods of Test for Determining Application Data of Overhead Circulator Fans (new standard)

The purpose of ASHRAE Standard 216P is to specify the instrumentation, facilities, test installation methods, and procedures to determine circulator fan application data for occupant thermal comfort in a space.

Single copy price: \$35.00

Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

### **ASME (American Society of Mechanical Engineers)**

### **New Standard**

BSR/ASME B89.7.6-201X, Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Dimensional Measuring Instruments to their Accuracy Specifications (new standard)

These guidelines address the evaluation of uncertainty of test values associated with the testing of dimensional measuring instruments to their accuracy specifications, particularly during acceptance testing.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Justin Cassamassino, (212) 591-8404, cassasmassinoj@asme.org

### **ASME (American Society of Mechanical Engineers)**

### Reaffirmation

BSR/ASME PTC 12.4-1992 (R201x), Moisture Separator Reheaters (reaffirmation of ANSI/ASME PTC 12.4-1992 (R2014))

This Code provides the procedures, direction, and guidance for the accurate testing of Moisture Separator Reheaters (MSRs) which includes moisture separating and steam reheating components located between the high-pressure and low-pressure steam turbine.

Single copy price: \$85.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

For Reaffirmations and Withdrawn standards, please view our catalog at https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

### **ASME (American Society of Mechanical Engineers)**

### Revision

BSR/ASME AG-1-201x, Code on Nuclear Air and Gas Treatment (revision of ANSI/ASME AG-1-2017)

This Code provides requirements for the performance, design, construction, acceptance testing, and quality assurance of equipment used as components in nuclear safety-related air and gas treatment systems in nuclear facilities.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

BSR/ASME NQA-1-201x, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2017)

This Standard provides requirements and guidelines for the establishment and execution of quality assurance programs during siting, design, construction, operation, and decommissioning of nuclear facilities.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Daniel Miro-Quesada, (212) 591-7386, miroquesada@asme.org

### **AWS (American Welding Society)**

### Revision

BSR/AWS C1.5-201X, Specification for the Qualification of Resistance Welding Technicians (revision of ANSI/AWS C1.5-2015)

This specification for the qualification of resistance welding technicians was developed to provide a qualification basis, which defines minimum requirements for a resistance welding technician to demonstrate competence through a combination of education, experience, and examination.

Single copy price: \$25.00

Obtain an electronic copy from: mdiaz@aws.org

Order from: Mario Diaz, (305) 443-9353, mdiaz@aws.org

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

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

### Revision

BSR/AWWA C714-201x, Cold Water Meters for Residential Fire Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (revision of ANSI/AWWA C714-2013)

This standard describes cold-water meters used for residential fire sprinkler applications that meet the requirements of NFPA 13D in single- and two-family dwellings and manufactured homes, in sizes 3/4 in. (20 mm) through 2 in. (50 mm), and the materials and workmanship employed in their fabrication.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org Order from: AWWA, Attn: Vicki David, vdavid@awwa.org

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

BSR/AWWA D120-201x, Thermosetting Fiberglass-Reinforced Plastic Tanks (revision of ANSI/AWWA D120-2009)

This standard describes the composition, performance requirements, construction practices and workmanship, design, and methods of testing thermosetting fiberglass-reinforced plastic (FRP) tanks for the storage of water or other liquids used in water supply service.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org Order from: AWWA, Attn: Vicki David, vdavid@awwa.org

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

### CTA (Consumer Technology Association)

### Reaffirmation

BSR/CTA 709.4-2013 (R201x), Fiber-Optic Channel Specification (reaffirmation of ANSI/CTA 709.4-2013)

This standard defines a complete 7-layer protocol stack for communications on a CTA-709.4 single-fiber (half-duplex) fiber-optic channel.

Single copy price: \$0.00

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

Send comments (with copy to psa@ansi.org) to: standards.cta.tech

### NFPA (National Fire Protection Association)

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. The disposition of all comments received are published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Notices of Intent to Make A Motion on the 2019 Annual Revision Cycle Second Draft Report must be received by the following dates:

April 26, 2019 NFPA 78

NFPA 1078

April 29, 2019 NFPA 2

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 78-201x, Guide on Electrical Inspections (new standard)

This document covers minimum criteria to aid in organizing and conducting electrical inspections, which includes administration, plans review, and field inspection, for new electrical installations and modifications to existing electrical installations in conformance with the AHJ requirements.

Obtain an electronic copy from: www.nfpa.org/78next Send comments (with copy to psa@ansi.org) to: Same

### NFPA (National Fire Protection Association)

### **New Standard**

BSR/NFPA 1078-201x, Standard for Electrical Inspector Professional Qualifications (new standard)

This standard identifies the minimum job performance requirements (JPRs) for electrical inspectors.

Obtain an electronic copy from: www.nfpa.org/1078next Send comments (with copy to psa@ansi.org) to: Same

### NFPA (National Fire Protection Association)

### Revision

BSR/NFPA 2-201x, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2016)

The purpose of this code shall be to provide fundamental safeguards for the generation, installation, storage, piping, use, and handling of hydrogen in compressed gas (GH2) form or cryogenic liquid (LH2) form. This code shall apply to the production, storage, transfer, and use of hydrogen in all occupancies.

Obtain an electronic copy from: www.NFPA.org/2next Send comments (with copy to psa@ansi.org) to: Same

### **NSF (NSF International)**

### Revision

BSR/NSF 50-201x (i158r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018)

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

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group\_public/download.php/48007/50i158r1%20JC%20memo%20and %20ballot.pdf

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

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

### **New National Adoption**

BSR/UL 62133-1-201x, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems (national adoption with modifications of IEC 62133-1)

The Proposed first edition of UL 62133-1 which is harmonized with CSA and the first edition of the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems, IEC 62133-1.

Single copy price: Free

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

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

BSR/UL 62133-2-201x, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems (national adoption with modifications of IEC 62133-2)

The proposed first edition of UL 62133-2 which is harmonized with CSA and the first edition of the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems, IEC 62133-2.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Send public review comments 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 879-2009 (R201x), Standard for Safety for Sign Components (reaffirmation of ANSI/UL 879-2009 (R2014))

Reaffirmation and continuance of the ninth edition of the Standard for Sign Components, UL 879, as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Order from: https://www.shopulstandards.com/

Send comments (with copy to psa@ansi.org) to: Julio Morales, (919) 549-1097, Julio.Morales@UL.com

BSR/UL 2790-2010 (R201x), Standard for Safety for Commercial Incinerators (reaffirmation of ANSI/UL 2790-2010)

These requirements apply to direct-fed incinerators, including those of the gas and electric ignition types, designed primarily for use as a crematory.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

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

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

### Revision

BSR/UL 2108-201x, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2017)

This proposal for UL 2108 covers: (1) Installation instructions - Alternate method of providing, (2) Installation instructions, (3) Definitions, (4) Splices and connections, (5) Wet-location power units, (6) Wet-location low-voltage luminaires, (7) Exposed bare conductors supplied from a Class 2 power unit, (8) Markings and instructions, (9) Marking location for field-cuttable Class 2 luminaires, (10) Power unit output voltage marking, (11) Fuse replacement cautionary marking, (12) Polymeric recessed housings, (13) Open devices, (14) Installation location constraints for Class 2 luminaires with unreliable mounting means, (15) Strain relief for Conductors Test, (16) Luminaires to be marked with input wattage rating, and (17) Editorial corrections.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Order from: https://www.shopulstandards.com/

Send comments (with copy to psa@ansi.org) to: Wilbert Fletcher, (919) 954-9133, Wilbert.fletcher@ul.com

### **Comment Deadline: June 11, 2019**

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

### ASME (American Society of Mechanical Engineers)

### Reaffirmation

BSR/ASME B1.20.5-1991 (R201x), Gaging for Dryseal Pipe Threads (Inch) (reaffirmation of ANSI/ASME B1.20.5-1991 (R2014))

The scope of this Standard is to provide information regarding practical dryseal thread inspection methods and commonly used gages for production evaluation purposes. All dimensions are in inches unless otherwise specified.

Single copy price: \$50.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

For Reaffirmations and Withdrawn standards, please view our catalog at https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.org

BSR/ASME PTC 12.3-1997 (R201x), Performance Test Code on Deaerators (reaffirmation of ANSI/ASME PTC 12.3-1997 (R2014))

This Code provides rules and test procedures that are to be used to determine the performance of deaerators with regard to residual dissolved oxygen in the deaerated water and terminal temperature difference (TTD), if any, between the deaerated water and the saturated steam temperature corresponding to the pressure in the steam zone adjacent to the interface between the steam and the collected deaerated water. This Code applies to deaerating heaters and deaerators equipped with either shell-and-tube or direct contact, vent-condensing sections. It describes the test method for the determination of dissolved oxygen in water for deaerating equipment at concentrations up to 75 µg/L (ppb).

Single copy price: \$72.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

For Reaffirmations and Withdrawn standards, please view our catalog at https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Michelle Pagano, (212) 591-8399, paganom@asme.org

BSR/ASME PTC 50-2002 (R201x), Fuel Cell Power Systems Performance (reaffirmation of ANSI/ASME PTC 50-2002 (R2014))

This Code provides test procedures, methods and definitions for the performance characterization of fuel cell power systems. Fuel cell power systems include all components required in the conversion of input fuel and oxidizer into output electrical and thermal energy. This Code contains methods and procedures for conducting and reporting fuel cell system testing, including instrumentation to be used, testing techniques, and methods for calculating and reporting results.

Single copy price: \$94.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

For Reaffirmations and Withdrawn standards, please view our catalog at https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Donnie Alonzo, (212) 591-7004, dalonzo@asme.org

BSR/ASME PTC 70-2009 (R201x), Performance Test Code on Ramp Rates (reaffirmation of ANSI/ASME PTC 70-2009 (R2014))

This code provides the procedures, direction, and guidance for the accurate determination, via testing, of the maximum repeatable load change ramp rate, startup load change rate or shutdown load change rate of a power plant. It is applicable to all electrical generating facilities, independent of fuel source or prime movers.

Single copy price: \$45.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

For Reaffirmations and Withdrawn standards, please view our catalog at https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Donnie Alonzo, (212) 591-7004, dalonzo@asme.org

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

### **New Standard**

BSR/UL 2901-201X, Standard for Antifreeze Solutions for Use in Fire Sprinkler Systems (new standard)

UL proposes the Standard for Antifreeze Solutions for Use in Fire Sprinkler Systems, UL 2901.

Single copy price: Free

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

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

# **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.

### **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 13M-6/ISO 13503-6-201x, Recommended Practice for Measuring Leakoff of Completion Fluids Under Dynamic Conditions - 1st Edition-2016 (national adoption with modifications of ISO

13503-6:2012)

### ASA (ASC S3) (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 S3.47-201x, Specifications of Performance Measurement of Hearing Assistance Devices/Systems (revision of ANSI/ASA S3.47 -2014 (R2019))

### **ASME (American Society of Mechanical Engineers)**

Office: Two Park Avenue

New York, NY 10016-5990

Contact: Mayra Santiago
Phone: (212) 591-8521
E-mail: ansibox@asme.org

BSR/ASME PTC 12.3-1997 (R201x), Performance Test Code on Deaerators (reaffirmation of ANSI/ASME PTC 12.3-1997 (R2014))

BSR/ASME PTC 70-2009 (R201x), Performance Test Code on Ramp Rates (reaffirmation of ANSI/ASME PTC 70-2009 (R2014))

### DirectTrust (DirectTrust.org, Inc.)

Office: P.O. Box 2885

Blairsville, GA 30514
Natasha Kreisle

**Contact:** Natasha Kreisle **Phone:** (404) 452-4962

E-mail: Natasha.Kreisle@DirectTrust.org

BSR/DS201901V01-201x, Direct Standard (new standard)

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

Office: 18927 Hickory Creek Dr Suite 220

Mokena, IL 60448 : Conrad Jahrling

**Contact:** Conrad Jahrling **Phone:** (708) 995-3017

E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1094-201x, Performance Requirements for Point-of-Entry

Reverse Osmosis Systems (new standard)

### **NSF (NSF International)**

Office: 789 N. Dixboro Road

Ann Arbor, MI 48105-9723

Contact: Allan Rose
Phone: (734) 827-3817
E-mail: arose@nsf.org

BSR/NSF 2-201x (i34r3), Food Equipment (revision of ANSI/NSF 2

-2018)

BSR/NSF 50-201x (i158r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018)

BSR/NSF 61-201x (i150r1), Drinking Water Systems Components -Health Effects (revision of ANSI/NSF 61-2018)

BSR/NSF 170-201x (i24r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

BSR/NSF 245-201x (i15r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)

## **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:

- o General Interest
- Government
- o Producer
- o User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at <a href="mailto:jennifer@wmma.org">jennifer@wmma.org</a>.

## **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.

### AGA (ASC B109) (American Gas Association)

#### **New Standard**

ANSI B109.1-2019, Diaphragm-Type Gas Displacement Meters (Under 500 Cubic Feet Hour Capacity) (new standard): 4/8/2019

### **AMCA (Air Movement and Control Association)**

### Revision

ANSI/AMCA Standard 610-2019, Laboratory Methods of Testing Airflow Measurement Stations for Performance Rating (revision and redesignation of ANSI/AMCA 610-2006 (R2012)): 4/9/2019

### **ANS (American Nuclear Society)**

### Reaffirmation

ANSI/ANS 8.21-1995 (R2019), Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors (reaffirmation of ANSI/ANS 8.21-1995 (R2011)): 4/9/2019

# ASSP (Safety) (American Society of Safety Professionals)

### Revision

ANSI/ASSP Z359.7-2019, Qualification and Verification Testing of Fall Protection Products (revision and redesignation of ANSI/ASSE Z359.7 -2011): 4/2/2019

### **ASTM (ASTM International)**

### **New Standard**

ANSI/ASTM F3255-2019, Specification for rapid pull down refrigerators (blast chillers), freezers (blast freezers), combination refrigerator/freezer (blast chiller/freezers), and quick chillers for commercial use (new standard): 3/26/2019

### Reaffirmation

ANSI/ASTM F2044-2005 (R2019), Specification for Liquid Level Indicating Equipment, Electrical (reaffirmation of ANSI/ASTM F2044-2005 (R2013)): 3/26/2019

### Revision

ANSI/ASTM D1655-2019, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2018): 3/26/2019

ANSI/ASTM D7566-2019, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2018): 3/26/2019

ANSI/ASTM E2579-2019, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2015): 4/1/2019

ANSI/ASTM F1003-2019, Specification for Searchlights on Motor Lifeboats (revision of ANSI/ASTM F1003-2002 (R2012)): 3/26/2019

ANSI/ASTM F1069-2019, Specification for Doors, Watertight, Gastight/Airtight and Weathertight, Individually Dogged, for Marine Use (revision of ANSI/ASTM F1069-87 (R2012)): 3/26/2019

ANSI/ASTM F1070-2019, Specification for Doors, Non-Tight, for Marine Use (revision of ANSI/ASTM F1070-87 (R2012)): 3/26/2019

ANSI/ASTM F1073-2019, Specification for Door Fittings, for Watertight/Gastight/Airtight, Weathertight, and Non-Tight Doors, for Marine Use (revision of ANSI/ASTM F1073-1987 (R2012)): 3/26/2019

ANSI/ASTM F1143-2019, Specification for Manhole Cover Assembly, Bolted, Raised, Oiltight and Watertight (revision of ANSI/ASTM F1143-1990 (R2012)): 3/26/2019

ANSI/ASTM F1144-2019, Specification for Manhole Cover Assembly, Bolted, Semi-Flush, Oiltight and Watertight, Hinged (revision of ANSI/ASTM F1144 -1990 (R2012)): 3/26/2019

ANSI/ASTM F1196-2019, Specification for Sliding Watertight Door Assemblies (revision of ANSI/ASTM F1196-2001 (R2013)): 3/26/2019

ANSI/ASTM F1197-2019, Specification for Sliding Watertight Door Control Systems (revision of ANSI/ASTM F1197-2001 (R2012)): 3/26/2019

ANSI/ASTM F2796-2019, Specification for Hot Food Holding Tables (revision of ANSI/ASTM F2796-2009 (R2014)): 3/26/2019

# BHMA (Builders Hardware Manufacturers Association)

### Revision

ANSI/BHMA A156.27-2019, Standard for Power and Manual Operated Revolving Pedestrian Doors (revision of ANSI/BHMA A156.27-2010): 4/9/2019

ANSI/BHMA A156.31-2019, Standard for Electric Strikes and Frame Mounted Actuators (revision of ANSI/BHMA A156.31-2013): 4/9/2019

### CSA (CSA America Standards Inc.)

### Revision

ANSI Z21.21-2019, Automatic Valves for Gas Appliances (same as CSA 6.5 -201x) (revision of ANSI Z21.21-2015): 4/9/2019

# GTESS (Georgia Tech Energy & Sustainability Services)

### Revision

ANSI/MSE 50028-1-2019, Superior Energy Performance 50001 ™ Program-Additional Requirements for Energy Management Systems (revision of ANSI/MSE 50021-2016): 4/9/2019

### HI (Hydraulic Institute)

### **New Standard**

ANSI/HI 14.1-14.2-2019, Rotodynamic Pumps for Design and Application (new standard): 4/9/2019

# IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

### Reaffirmation

ANSI/IAPMO S1001.1-2013 (R2019), Design and Installation of Solar Water Heating Systems (reaffirmation and redesignation of ANSI S1001.1-2013): 4/9/2019

#### Revision

ANSI/IAPMO Z1000-2019, Prefabricated Septic Tanks (revision of ANSI/IAPMO Z1000-2013): 4/9/2019

### ICE (Institute for Credentialing Excellence)

#### Revision

ANSI/ICE 1100-2019, Standard for Assessment-Based Certificate Programs (revision and redesignation of ANSI/NOCA 1100-2009): 4/9/2019

# IEEE (Institute of Electrical and Electronics Engineers)

#### **New Standard**

ANSI/IEEE C57.12.36-2017, Standard Requirements for Liquid-Immersed Distribution Substation Transformers (new standard): 4/3/2019

### IES (Illuminating Engineering Society)

### **New Standard**

ANSI/IES RP-39-2019, Recommended Practice: Off Roadway Sign Luminance (new standard): 4/9/2019

# NASPO (North American Security Products Organization)

### **New Standard**

ANSI/NASPO BC-2019, Minimum Security Requirements for United States Birth Certification Documents (new standard): 4/9/2019

### **NSF (NSF International)**

### Revision

ANSI/NSF 360-2019 (i4r1), Wastewater Treatment Systems - Field Performance Verification (revision of ANSI/NSF 360-2014): 4/7/2019

ANSI/NSF 14159-1-2019 (i7r1), Hygiene Requirements for the Design of Meat and Poultry Processing Equipment (revision of ANSI/NSF 3-A 14159-1 -2014): 3/31/2019

ANSI/NSF 14159-2-2019 (i7r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-2-2014): 3/31/2019

ANSI/NSF 14159-3-2019 (i7r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2014): 3/31/2019

# SCTE (Society of Cable Telecommunications Engineers)

### Revision

ANSI/SCTE 156-2019, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2016): 4/9/2019

### **TIA (Telecommunications Industry Association)**

### Addenda

ANSI/TIA 568.2-D-1-2019, Balanced Twisted-Pair Telecommunications
Cabling and Components Standard (addenda to ANSI/TIA 568.2-D-2018):
4/9/2019

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

### Reaffirmation

ANSI/UL 1777-2009a (R2019), Standard for Safety for Chimney Liners (reaffirmation of ANSI/UL 1777-2009a (R2014)): 4/5/2019

### Revision

ANSI/UL 486E-2019, Standard for Safety for Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors (revision of ANSI/UL 486E -2017): 4/2/2019

ANSI/UL 567A-2019, Standard for Safety for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (EO - E85) (revision of ANSI/UL 567A-2018): 4/1/2019

ANSI/UL 842A-2019, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (EO - E85) (revision of ANSI/UL 842A-2017): 4/1/2019

ANSI/UL 2239-2019, Standard for Safety for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239-2015): 3/22/2019

ANSI/UL 2586A-2019, Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 2586A -2018): 4/1/2019

# VITA (VMEbus International Trade Association (VITA))

### **New Standard**

ANSI/VITA 47.0-2019, Construction, Safety, and Quality for Plug-In Modules Standard (new standard): 4/9/2019

### Revision

ANSI/VITA 67.0-2019, Coaxial Interconnect on VPX - Base Standard (revision of ANSI/VITA 67.0-2012): 4/9/2019

ANSI/VITA 67.1-2019, Coaxial Interconnect on VPX, 4 Position SMPM Configuration (revision of ANSI/VITA 67.1-2012): 4/9/2019

# **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.

### **AAFS (American Academy of Forensic Sciences)**

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org 410 North 21st Street, Colorado Springs, CO 80904

### **New Standard**

BSR/ASB STD 109-201x, Canine Detection of Microbial Organisms (new standard)

Stakeholders: Canine handlers, canine trainers, canine evaluating officials, agricultural inspectors, border control, defense and environmental agencies.

Project Need: This document is for the establishment of training, certification, and documentation requirements in the microbial organism detection canine industry. This could impact local, state, federal, and international canine training programs. There are no consensus standards for the canine teams (canine and handler) and certifying processes, specifically dedicated to Canine Detection of Microbial Organisms.

This standard provides the requirements necessary to document the training and certification of canine handlers and canines used in forensic investigations related to canine odor detection of microbial organisms, specifically molds and non-medical microbial organisms.

BSR/ASB Std 115-201x, Standard for Training in Forensic Short Tandem Repeat Typing Methods using Amplification, DNA Separation, and Allele Detection (new standard)

Stakeholders: Forensic DNA analysis practitioners. The criminal justice system will be end users.

Project Need: This document identifies the key elements of an effective training program for forensic Short Tandem Repeat typing methods using amplification, DNA separation, and allele detection that should promote highly qualified DNA analysts. This is a companion document to ASB Standard 022. Currently, no consensus standards are published on this subject.

This standard provides the requirements of a forensic DNA laboratory's training program in forensic Short Tandem Repeat typing methods using amplification, DNA separation, and allele detection.

### ASA (ASC S3) (Acoustical Society of America)

Contact: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org 1305 Walt Whitman Road, Suite 300, Melville, NY 11747

### Revision

BSR/ASA S3.47-201x, Specifications of Performance Measurement of Hearing Assistance Devices/Systems (revision of ANSI/ASA S3.47-2014 (R2019))

Stakeholders: Manufacturers, audiologists, hearing care professionals, persons with hearing impairment, researchers, FDA.

Project Need: Hearing Assistive Devices provide amplification to persons with hearing impairment and need to be verified using standardized procedures so that professionals will know performance characteristics. This revision is proposed because of an increase in devices and improvements in technology since it was first written.

Provides methods for evaluation of hearing assistance devices/systems (HADS) that are packaged for individual use and deliver the signal via air conduction to the user. Among the test methods described are a family of response curves, output sound pressure curve for 90-dB sound pressure level input, frequency range, total harmonic distortion, noise level with no input, static and dynamic AGC characteristics, and gain control linearity. The measurements are similar to those described in ANSI/ASA S3.22 -2009, American National Standard Specification of Hearing Aid Characteristics. The revision is envisioned to include new techniques for verification of wireless technology to personal ear-level receivers.

### ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org 275 West Street, Suite 107, Annapolis, MD 21401

#### **New National Adoption**

BSR X9.8-1-201x/ISO 9564-1-201x, Personal identification number (PIN) management and security - Part 1: Basic principles and requirements for PINs in card-based systems (identical national adoption of ISO 9564-1-2017 and revision of ANSI X9.8-1-2015)

Stakeholders: Global financial institutions, SCD vendors, transaction processing hosts, transaction processing software, card fulfillment, networks, PCI SSC.

Project Need: X9.8 Part 1, 2019 would provide basic principles and techniques, which outline the minimum-security measures required for effective international PIN management. PIN protection techniques applicable to financial transaction card originated transactions in an online environment and a standard means of interchanging PIN data.

Basic principles and techniques which provide the minimum security measures required for effective international PIN management. PIN protection techniques applicable to financial-transaction-card-originated transactions in an online environment and a standard means of interchanging PIN data.

### **ASME (American Society of Mechanical Engineers)**

Contact: Mayra Santiago, (212) 591-8521, ansibox@asme.org Two Park Avenue, New York, NY 10016-5990

### **New Standard**

BSR/ASME B5.6 201x, Guide for Tool Holder Interface Selection (new standard)

Stakeholders: Tool holder users, manufacturers, distributors, and designers.

Project Need: This Standard aims to provide comprehensive information on commercially available tool holder interfaces, and assist the user in choosing the most appropriate one for their given application.

This Standard serves to provide information for consideration when selecting tool holder interfaces used with Machining Centers.

BSR/ASME V&V 40.WG3.1-201X, Application of the ASME V&V40 Standard to a Patient-Specific Computational Modeling Application in Support of the Clinical Evaluation that includes Software as a Medical Device (SaMD) (new standard)

Stakeholders: Engineers, designers, general interest, laboratory, producers/manufacturers, regulatory/government, consultants, clinicians, medical researchers.

Project Need: This standard is intended to support the FDA's new initiative related to SaMD and will apply ASME V&V40 to establish the credibility of patient-specific computational modeling used to support SaMD-guided clinical decisions.

This standard will demonstrate the process and methodology for using computational modeling to evaluate the clinical safety, performance, and effectiveness that includes SaMD for a selected clinical application.

BSR/ASME V&V 40.WG4.1-201x, Application of code and calculation verification best practices to computational modeling of medical devices (new standard)

Stakeholders: Laboratory, producers/manufacturers, regulatory/government, consultants, users, practitioners utilizing computational modeling for medical devices.

Project Need: This standard will build on the existing V&V practices by providing guidance on the code and calculation verification best practices for the computational models used in the evaluation of medical devices. This standard will also provide representative examples from the medical device space.

Application of code verification best practices using Womersley flow example problem Application of calculation verification best practices using Nitinol stent FEA example problem and Hip stem FEA example problem.

### CSA (CSA America Standards Inc.)

Contact: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org 8501 E. Pleasant Valley Road, Cleveland, OH 44131

### Revision

BSR LC 1-201x/CSA 6.26-201x, Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) (revision of ANSI LC 1-2018/CSA 6.26-2018)

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: Revise the standard for safety.

This standard details test and examination criteria for fuel gas piping systems, using corrugated stainless steel tubing, intended for installation in residential or commercial buildings, and including all components supplied or specified by the manufacturer to convey and control fuel gas to all appliances served. This standard does not apply to gas connectors for appliances. These connectors are covered by ANSI Z21.24/CSA 6.10 and ANSI Z21.69/CSA 6.16.

### DirectTrust (DirectTrust.org, Inc.)

Contact: Natasha Kreisle, (404) 452-4962, Natasha.Kreisle@DirectTrust.org

P.O. Box 2885, Blairsville, GA 30514

#### **New Standard**

BSR/DS201901V01-201x, Direct Standard (new standard)

Stakeholders: Providers of Direct exchange services; users of Direct exchange services; healthcare providers or provider organizations; governmental agencies; non-profit organizations; patients or consumer advocates; general interest.

Project Need: The United States healthcare industry has widely noted the need for the Institute for Healthcare Improvement's "Triple Aim", or the need for the reduced per capita cost of health care, improving the quality of care of our patients, and improving the general health of our population. The ability to exchange health information among disparate healthcare organizations is a common solution to address all three tenants of the Triple Aim. While there are various ways this information exchange could occur, it's critical to protect the privacy and security of such information, creating the need for a known endpoint to known endpoint exchange mechanism. The Direct Standard provides a solution in a secure and identity-proofed trust framework to allow participants to confidently know and trust those they exchange health information with. The Direct Standard could be an antidote to the overuse of fax in healthcare. While faxing health information has long been the go-to mechanism for point-to-point exchange of health information, the information exchanged is flat data and unable to be utilized to its fullest potential, creating both time and resource waste in healthcare. The Direct Standard provides an electronic means for the exchange of discrete and non-discrete information, allowing the information to be more readily incorporated into Electronic Health Records (EHR) and utilized quickly and appropriately by providers, possibly leading to an increased quality of care.

The Direct Standard was created to specify a simple, secure, scalable, and standards-based mechanism for participants to send authenticated, encrypted health information to known trusted recipients over the Internet. It builds upon existing standards and deployed internet scale infrastructure such as RFC5322 for message structure, RFC5751 for message security, and RFC5280 for public key infrastructure (PKI). The Direct Standard specifies not only a profiled use of these technologies but adds requirements and specifications for quality of service notifications, public key discovery, and building scalable trust relationships among message exchange partners.

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

Contact: Conrad Jahrling, (708) 995-3017, conrad.jahrling@asse-plumbing.org 18927 Hickory Creek Dr Suite 220, Mokena, IL 60448

### New Standard

BSR/ASSE 1094-201x, Performance Requirements for Point-of-Entry Reverse Osmosis Systems (new standard)

Stakeholders: Residential building designers and builders, water systems professionals, plumbers, building owners concerned with drinking water quality, and water regulators (AHJ's).

Project Need: Point-of-entry reverse-osmosis systems are being used to improve the drinking water quality in homes and business. These devices are commonly referred to as "whole-house" RO's. This standard complements ASSE 1087 by providing test protocols to evaluate the contaminant reduction performance of the point-of-entry system.

Point-of-Entry (POE) Reverse-Osmosis (RO) systems are used to treat drinking water. RO water treatment equipment reduces total dissolved solids, heavy metals, microbes, inorganics, and organic water contaminants. POE RO's are typically installed after the water meter in residences or businesses. These systems are not intended for installations delivering process water or for desalination. Point-of-Entry RO systems use a variety of membrane sizes based on the design of the system. This standard shall cover systems that produce a product (permeate) flow rate of at least 2.0 gpm (7.6 L/min) out of the system.

### **NSF (NSF International)**

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

### **New Standard**

BSR/NSF 489-201x, Standard Practice to Prevent Contamination in Polyethylene Gas Pressure Pipe (new standard)

Stakeholders: Product manufacturers, gas utilities, industry associations, regulators.

Project Need: Establish a national standard to assure the cleanliness, and thus prevent contamination of, polyethylene materials for use in gas gathering and gas distribution applications.

This Standard describes procedures required to assure the cleanliness, and thus prevent contamination, of polyethylene materials during the manufacture of polyethylene pipe complying with specification ASTM D2513, for use in gas gathering and gas distribution applications. The procedures in this practice apply to the control, handling, and inspection of new material (virgin natural with color concentrate, and pre-compounded) from receipt and to generation of rework material by the manufacturer, including requirements for the control of material transfer system components, material preparation, product manufacturing equipment, and material handling equipment inspections. This standard is not applicable to products that incorporate reprocessable materials obtained from external sources or recycled materials.

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

Contact: Anne Marie Jacobs, (919) 549-0954, annemarie.jacobs@ul.com 12 Laboratory Dr., Research Triangle Park, NC 27709

### **New National Adoption**

BSR/UL 60335-2-68-201x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-68: Particular Requirements for Spray Extraction Machines, for Commercial Use (national adoption with modifications of IEC 60335-2-68)

Stakeholders: Manufacturers, supply chain and users of spray extraction machines for indoor commercial use.

Project Need: A need has been identified for an IEC-based, US/CAN standard covering spray extraction machines for indoor commercial use. There is currently no such standard that deals with the safety of electrical portable, non-self-propelled motor-operated spray extraction machines for commercial indoor use.

This International Standard deals with the safety of electrical portable, non-self-propelled motor-operated spray extraction machines with or without attachments and with or without electrical heating elements, intended for commercial indoor use. They are not equipped with traction drive. They include mains up to a rated voltage of 250 V for single-phase appliances and 480 V for other appliances, batteries supplying 150 V or less; or combinations of them. It is also possible for covered products to be powered by double layer (ultra) capacitors or fuel cells. Additional requirements related to these power sources are not included in this standard. This standard applies to machines in which the pressure of the employed cleaning agent does not exceed 2,5 MPa, and in which the product of the pressure (in MPa) and the flow of cleaning agent (in liters per minute) does not exceed 100, and in which the temperature of the cleaning agent at the spray nozzle outlet does not exceed 85°C. This standard does not apply to vacuum cleaners and water-suction cleaning appliances for household use, floor treatment machines for commercial use, wet and dry vacuum cleaners, including power brush, for commercial use, hand-held and transportable motor-operated electric tools, machines designed for use in corrosive or explosive environments, machines designed for picking up hazardous dusts, or machines designed to handle hazardous solvents, such as flammable or explosive liquids.

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

Contact: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com 12 Laboratory Drive, Research Triangle Park, NC 27709-3995

### **New National Adoption**

BSR/UL 60079-46-201X, Technical Specification Standard for Safety for Explosive Atmospheres - Part 46: Equipment Assemblies (national adoption with modifications of IEC TS 60079-46)

Stakeholders: This technical specification standard will apply to a large cross-section of groups and individuals. These specific groups would include: manufacturers, end users, supply chain, and certification bodies.

Project Need: UL is seeking ANSI approval on a new standard, UL 60079-46, which will be a national adoption of IEC TS 60079-46.

This technical specification specifies requirements for the design, construction, assembly, testing, inspection, marking, documenting, and assessment of equipment assemblies for use in explosive atmospheres under the responsibility of the manufacturer of the equipment assembly.

# 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.

#### **AAFS**

American Academy of Forensic Sciences

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

### AGA (ASC B109)

American Gas Association 400 N. Capitol St., NW Washington, DC 20001 Phone: (202) 824-7333

Web: www.aga.org

### **AGMA**

American Gear Manufacturers
Association

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

#### **AMCA**

Air Movement and Control Association

30 West University Drive Arlington Heights, IL 60004-1893 Phone: (847) 704-6285

Web: www.amca.org

### ANS

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

### API

American Petroleum Institute

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

### ASA (ASC S3)

Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215

Web: www.acousticalsociety.org

### ASC X9

Accredited Standards Committee X9, Incorporated

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

### **ASHRAE**

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

1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: www.ashrae.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 Highway Park Ridge, IL 60068 Phone: (847) 699-2929 Web: www.assp.org

#### **ASTM**

**ASTM International** 

100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744

Web: www.astm.org

### AWS

American Welding Society 8669 Doral Blvd Suite 130 Doral, 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

### внма

Builders Hardware Manufacturers Association

355 Lexington Avenue, 15th Floor 15th Floor New York, NY 10017-6603 Phone: (860) 944-4264

Web: www.buildershardware.com

### CSA

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

### DirectTrust

DirectTrust.org, Inc.
P.O. Box 2885
Blairsville, GA 30514
Phone: (404) 452-4962
Web: www.DirectTrust.org

#### GTFSS

Georgia Tech Energy & Sustainability

75 Fifth Street N.W Suite 300 Atlanta, GA 30308 Phone: (404) 407-6404

Web: www.innovate.gatech.edu

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Hydraulic Institute 6 Campus Drive Suite 104 Parsippany, 07054-4406 Phone: (973) 267-9700 1221 Web: www.pumps.org

### IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Web: www.asse-plumbing.org

### IAPMO (Z)

International Association of Plumbing & Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761 Phone: (909) 230-5534

Phone: (909) 230-5534 Web: www.iapmort.org

### ICE

Institute for Credentialing Excellence 2025 M Street NW, Suite 800 Washington, DC 20036 Phone: (202) 367-1165

Web: www.credentialingexcellence.

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### IEEE

Institute of Electrical and Electronics Engineers

445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Web: www.ieee.org

### IES

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

#### NASPO

North American Security Products Organization

1300 I Street, NW Suite 400E Washington, DC 20005 Phone: (612) 281-7141 Web: www.naspo.info

#### NFPA

National Fire Protection Association

One Batterymarch Park Quincy, MA 02269-9101 Phone: (617) 984-7248 Web: www.nfpa.org

### NSF

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

### SCTE

Society of Cable Telecommunications Engineers

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

### TΙΑ

Telecommunications Industry
Association

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

### UL

Underwriters Laboratories, Inc.

12 Laboratory Drive Research Triangle Park, NC 27709 -3995

Phone: (919) 549-1851 Web: www.ul.com

Web: www.vita.com

### VITA

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

### **ISO & IEC Draft International Standards**



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

### **Comments**

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

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

### **Ordering Instructions**

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

### **ISO Standards**

### **AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/DIS 21895, Categorization and classification of civil unmanned aircraft systems - 4/28/2019, \$46.00

ISO/DIS 21384-1, Unmanned aircraft systems - Part 1: General specification - 4/28/2019, \$33.00

ISO/DIS 21384-4, Unmanned aircraft systems - Part 4: Terms and definitions - 4/29/2019, \$58.00

### **APPLICATIONS OF STATISTICAL METHODS (TC 69)**

ISO/DIS 2859-4, Sampling procedures for inspection by attributes - Part 4: Procedures for assessment of declared quality levels - 4/25/2019, \$77.00

### **CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)**

ISO/DIS 22031, Sampling and test method for cleanable filter media taken from filters of systems in operation - 4/29/2019, \$77.00

### **DENTISTRY (TC 106)**

ISO/DIS 3630-3, Dentistry - Endodontic instruments - Part 3: Compactors: pluggers and spreaders - 4/26/2019, \$53.00

ISO/DIS 3630-5, Dentistry - Endodontic instruments - Part 5: Shaping and cleaning instruments - 4/26/2019, \$46.00

## DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 2692, Geometrical Product Specification (GPS) - Geometrical tolerancing - Maximum material requirement (MMR) and least material requirement (LMR) - 12/22/2025, \$134.00

ISO/DIS 10360-10, Geometrical product specifications (GPS) -Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 10: Laser trackers for measuring point-topoint distances - 6/24/2019, \$112.00

### **FASTENERS (TC 2)**

ISO/DIS 2702, Fasteners - Heat-treated self-tapping screws - Mechanical and physical properties - 4/29/2019, \$40.00

### **FINE BUBBLE TECHNOLOGY (TC 281)**

ISO/DIS 21910-1, Fine bubble technology - Characterization of microbubbles - Part 1: Off-line evaluation of size index - 6/28/2019, \$82.00

### **GEOSYNTHETICS (TC 221)**

ISO/DIS 22182, Geotextiles and geotextile-related products -Determination of abrasion resistance characteristics under wet conditions for hydraulic applications - 4/28/2019, \$46.00

### **INDUSTRIAL FANS (TC 117)**

ISO/DIS 12759-5, Fans - Efficiency classification for fans - Part 5: Jet fans - 4/26/2019. \$58.00

### **INDUSTRIAL TRUCKS (TC 110)**

ISO/DIS 23308-1, Energy efficiency of industrial trucks - Test methods - Part 1: General - 4/25/2019, \$77.00

ISO/DIS 23308-2, Energy efficiency of industrial trucks - Test methods - Part 2: Operator controlled self propelled trucks, towing and burden carrier trucks - 4/25/2019, \$46.00

ISO/DIS 23308-3, Energy efficiency of industrial trucks - Test methods - Part 3: Container handling lift trucks - 4/25/2019, \$33.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 11979-5, Ophthalmic implants - Intraocular lenses - Part 5: Biocompatibility - 6/24/2019, \$93.00

ISO/DIS 15004-1, Ophthalmic instruments - Fundamental requirements and test methods - Part 1: General requirements applicable to all ophthalmic instruments - 7/1/2019, \$53.00

# PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16900-7, Respiratory protective devices - Methods of test and test equipment - Part 7: Practical performance test methods - 4/26/2019, \$53.00

### PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 6614/DAmd1, Petroleum products - Determination of water separability of petroleum oils and synthetic fluids - Amendment 1 - 4/29/2019, \$29.00

ISO 9120/DAmd1, Petroleum and related products - Determination of air-release properties of steam turbine and other oils - Impinger method - Amendment 1 - 4/29/2019, \$29.00

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

ISO/DIS 12176-5, Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems -4/29/2019, \$107.00

### **POWDER METALLURGY (TC 119)**

ISO/DIS 13517, Metallic powders - Determination of flowrate by means of a calibrated funnel (Gustavsson flowmeter) - 6/24/2019, \$40.00

### **RAILWAY APPLICATIONS (TC 269)**

ISO/DIS 22888, Railway applications - Guideline for planning of operational concepts for earthquake events - 4/25/2019, \$58.00

### **ROAD TRAFFIC SAFETY MANAGEMENT SYSTEMS (TC 241)**

ISO/DIS 39002, Road traffic safety - Good practices for implementing commuting safety management - 6/28/2019, \$93.00

### **RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO/DIS 1382, Rubber - Vocabulary - 6/27/2019, \$134.00

### SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 5480, Ships and marine technology - Guardrails for cargo ships - 4/27/2019, \$53.00

### STEEL (TC 17)

ISO 10893-3/DAmd1, Non-destructive testing of steel tubes - Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 1 - 4/28/2019, \$29.00

### STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 13408-6, Aseptic processing of health care products - Part 6: Isolator systems - 4/27/2019, \$107.00

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

ISO/DIS 128-1, Technical product documentation (TPD) - General principles of representation - Part 1: Introduction and fundamental requirements - 6/28/2019, \$40.00

### **TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)**

ISO/DIS 20771, Legal translation - Requirements - 4/26/2019, \$82.00

### **TEXTILES (TC 38)**

ISO/DIS 22195-1, Textiles - Determination of index ingredient from coloured textiles - Part 1: Madder - 4/27/2019, \$40.00

ISO/DIS 22195-2, Textiles - Determination of index ingredient from coloured textiles - Part 2: Tumeric - 4/27/2019. \$40.00

### **TRADITIONAL CHINESE MEDICINE (TC 249)**

ISO/DIS 22256, Traditional Chinese medicine - Detection of irradiated natural products by photostimulated luminescence - 6/27/2019, \$40.00

ISO/DIS 22258, Traditional Chinese medicine - Determination of pesticide residues in natural products by GC - 6/27/2019, \$58.00

ISO/DIS 22590, Traditional Chinese medicine - Determination of Sulfur Dioxide in natural products by titration - 6/27/2019, \$58.00

### TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 20524-2, Intelligent transport systems - Geographic Data Files (GDF) GDF5.1 - Part 2: Map data used in automated driving systems, Cooperative ITS, and multi-modal transport - 7/1/2019, \$291.00

### **WATER QUALITY (TC 147)**

- ISO/DIS 21793, Water quality Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb), dissolved bound nitrogen (DNb), total bound phosphorus (TPb) and dissolved bound phosphorus (DPb) after wet chemical catalysed ozone hydroxyl radical oxidation 6/24/2019, \$82.00
- ISO/DIS 22066, Water quality Determination of available total cyanide Method using segmented flow injection, in-line ultraviolet digestion analysis by gas diffusion and amperometric detection 6/29/2019, \$67.00

### ISO/IEC JTC 1, Information Technology

- ISO/IEC 18477-1/DAmd1, Information technology Scalable compression and coding of continuous-tone still images Part 1: Scalable compression and coding of continuous-tone still images Amendment 1: Clarification of the upsampling process 4/29/2019, \$29.00
- ISO/IEC 18477-8/DAmd1, Information technology Scalable compression and coding of continuous-tone still images Part 8: Lossless and near-lossless coding Amendment 1: Clarification of the upsampling process 4/29/2019, \$29.00
- ISO/IEC 23000-19/DAmd3, Information technology Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 3: HEVC Media Profiles update, new CMAF Structural Brand and other improvements - 4/29/2019, \$77.00
- ISO/IEC DIS 24091, Information technology Power efficiency measurement specification v3.0.3 4/29/2019, \$146.00
- ISO/IEC DIS 27007, Information technology Security techniques -Guidelines for information security management systems auditing -4/27/2019, \$112.00

### **OTHER**

ISO/IEC DIS 17000, Conformity assessment - Vocabulary and general principles - 4/29/2019, \$98.00

### **IEC Standards**

- 8A/54/CD, IEC TR 63043 ED1: Renewable Energy Power Forecasting Technology, 2019/5/31
- 17/1051/CD, IEC 62271-4 ED2: High-voltage switchgear and controlgear Part 4: Handling procedures for gases and gas mixtures for interruption and insulation, 2019/6/28
- 17A/1212/CDV, IEC 62271-106 ED2: High-voltage switchgear and controlgear Part 106: Alternating current contactors, contactorbased controllers and motor-starters, 2019/6/28
- 17A/1221/CD, IEC 62271-113 ED1: High-voltage switchgear and controlgear Alternating current circuit-breakers intended for controlled switching, 2019/6/28
- 17A/1222/CD, IEC/IEEE 62271-37-013 ED2: High-voltage switchgear and controlgear Part 37-013: Alternating-current generator circuit-breakers, 2019/6/28

- 17A/1214/CDV, IEC 62271-104 ED3: High-voltage switchgear and controlgear Part 104: Alternating current switches for rated voltages higher than 52 kV, 2019/6/28
- 21/1002/DC, Lead Acid batteries for Railway application, 2019/5/24
- 31/1463/FDIS, IEC 62990-1 ED1: Workplace Atmospheres Part 1: Gas detectors Performance requirements of detectors for toxic gases, 2019/5/17
- 34/608/NP, PNW 34-608: Digital addressable lighting interface Part 305: Particular requirements Input devices Colour sensor, 2019/6/28
- 34/607A/CD, IEC 63109 ED1: Assessment of blue light hazard of light sources and luminaires, 2019/6/21
- 34B/2033/CDV, IEC 60061-1/AMD60 ED3: Amendment 60 Lamp caps and holders together with gauges for the control of interchangeability and safety Part 1: Lamps Caps, 2019/6/28
- 34B/2034/CDV, IEC 60061-3/AMD57 ED3: Amendment 57 Lamp caps and holders together with gauges for the control of interchangeability and safety Part 3: Gauges, 2019/6/28
- 34B/2032/CDV, IEC 60061-2/AMD55 ED3: Amendment 55 Lamp caps and holders together with gauges for the control of interchangeability and safety Part 2: Lampholders, 2019/6/28
- 34B/2036/FDIS, IEC 60061-1/AMD59 ED3: Amendment 59 Lamp caps and holders together with gauges for the control of interchangeability and safety Part 1: Lamps Caps, 2019/5/17
- 40/2670/CD, IEC 60384-1 ED6: Fixed capacitors for use in electronic equipment Part 1: Generic specification, 2019/6/28
- 46C/1124/CD, IEC TR 62222 ED3: Fire performance of communication cables installed in buildings, 2019/6/28
- 46F/451/CDV, IEC 63185 ED1: Balanced-type circular disk resonator method to measure the complex permittivity of low-loss dielectric substrates, 2019/6/28
- 47/2545/CDV, IEC 62830-5 ED1: Semiconductor devices -Semiconductor devices for energy harvesting and generation - Part 5: Test method for measuring generated power from flexible thermoelectric devices, 2019/6/28
- 47/2565/FDIS, IEC 60749-20-1 ED2: Semiconductor devices Mechanical and climatic test methods Part 20-1: Handling, packing, labelling and shipping of surface-mount devices sensitive to the combined effect of moisture and soldering heat, 2019/5/17
- 57/2090/DTS, IEC TS 62351-100-3 ED1: Power systems management and associated information exchange Data and communications security Part 100-3: Conformance test cases for the IEC 62351-3, the secure communication extension for profiles including TCP/IP, 2019/6/28
- 59A/225/CDV, IEC 60436/AMD1 ED4: Amendment 1 Electric dishwashers for household use Methods for measuring the performance, 2019/6/28
- 65/749/CD, IEC 62832-3 ED1: Industrial-process measurement, control and automation - Digital Factory framework - Part 3: Application of Digital Factory for life cycle management of production systems, 2019/5/31
- 65B/1155/FDIS, IEC 61207-3 ED3: Expression of Performance of Gas Analyzers - Part 3: Paramagnetic oxygen analysers, 2019/5/17
- 65B/1156/FDIS, IEC 61207-2 ED2: Expression of Performance of Gas Analyzers Part 2: Oxygen in Gas (utilizing high-temperature electrochemical sensors), 2019/5/17
- 65E/656/NP, PNW 65E-656: Representation of electrical & instrument objects in digital 3D plant models during engineering, 2019/6/28
- 72/1179/NP, PNW 72-1179: Automatic electrical controls Part 2-xx: Particular requirements for displacement sensing controls, 2019/6/28

- 78/1253/CDV, IEC 61243-1 ED3: Live working Voltage detectors -Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c., 2019/6/28
- 80/926/FDIS, IEC 61097-4/AMD2 ED3: Amendment 2 Global maritime distress and safety system (GMDSS) Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment Operational and performance requirements, methods of testing and required test results, 2019/5/17
- 89/1469/CDV, IEC 60695-9-2 ED2: Fire hazard testing Part 9-2: Surface spread of flame Summary and relevance of test methods "PROPOSED HORIZONTAL STANDARD", 2019/6/28
- 89/1471/CDV, IEC 60695-5-1 ED3: Fire hazard testing Part 5-1: Corrosion damage effects of fire effluent General guidance "PROPOSED HORIZONTAL STANDARD", 2019/6/28
- 89/1472/CDV, IEC 60695-6-1 ED3: Fire hazard testing Part 6-1: Smoke obscuration - General guidance "PROPOSED HORIZONTAL STANDARD", 2019/6/28
- 90/434/CDV, IEC 61788-4 ED5: Superconductivity Residual resistance ratio measurement Residual resistance ratio of Nb-Ti and Nb3Sn composite superconductors, 2019/6/28
- 91/1571/CD, IEC 61189-5-502 ED1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies Part 5-502: General test methods for materials and assemblies Surface insulation resistance (SIR) testing of assemblies, 2019/6/28
- 91/1569/CD, IEC 61189-5-501 ED1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies Part 5-501: General test methods for materials and assemblies Surface insulation resistance (SIR) testing of solder fluxes, 2019/6/28
- 99/226A/CD, IEC 61936-1 ED3: Power installations exceeding 1 kV AC and 1,5 kV DC Part 1: AC, 019/5/3/
- 100/3236/CD, IEC 62980 ED1: Parasitic communication protocol for radio-frequency wireless power transmission (TA 15), 2019/6/28
- 104/831/FDIS, IEC 60068-2-67/AMD1 ED1: Environmental testing Part 2-67: Tests Test Cy: Damp heat, steady state, accelerated test primarily intended for components, 2019/5/17
- 104/832/CD, IEC 60068-2-38 ED3: Environmental testing Part 2-38: Tests Test Z/AD: Composite temperature/humidity cyclic test, 2019/6/28
- 120/149/NP, PNW TS 120-149: Electrical Energy Storage (EES) systems Part 3-3: Planning and performance assessment of electrical energy storage systems Additional requirements for energy intensive and backup power applications, 2019/5/31
- 120/150/NP, PNW TS 120-150: Electric Energy Storage Systems; Part 3-2: Planning and performance assessment of electrical energy storage systems - Additional requirements for power intensive and for renewable energy sources integration related applications, 2019/5/31
- 121A/292/DTR, IEC TR 63216 ED1: Low-voltage switchgear and controlgear Electromagnetic compatibility assessment for switchgear and controlgear and their assemblies, 2019/5/31
- 121A/294/CD, IEC 60947-8 ED2: Low-voltage switchgear and controlgear Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines, 2019/6/28
- JTC1-SC25/2873/CD, ISO/IEC TS 29125/AMD1 ED1: Information technology Telecommunications cabling requirements for remote powering of terminal equipment, 2019/6/28
- JTC1-SC25/2872/CD, ISO/IEC 18598/AMD1 ED1: Information technology Automated infrastructure management (AIM) systems Requirements, data exchange and applications, 2019/6/28
- JTC1-SC41/95/DTR, ISO/IEC TR 30166 ED1: Internet of Things (IoT) Industrial IoT, 2019/5/31

# **Newly Published ISO & IEC Standards**



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

### **ISO Standards**

### **AIR QUALITY (TC 146)**

ISO 17735:2019, Workplace atmospheres - Determination of total isocyanate groups in air using 1-(9-anthracenylmethyl)piperazine (MAP) reagent and liquid chromatography, \$162.00

### **AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO 21886:2019, Space systems - Configuration management, \$162.00

### **EARTH-MOVING MACHINERY (TC 127)**

 ISO 7135/Amd1:2019. Earth-moving machinery - Hydraulic excavators
 - Terminology and commercial specifications - Amendment 1, \$19.00

### EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 21927-4:2019. Smoke and heat control systems - Part 4: Natural smoke and heat exhaust ventilators - Design, requirements and installation, \$103.00

### **INDUSTRIAL TRUCKS (TC 110)**

ISO 10896-6/Amd1:2019. Rough-terrain trucks - Safety requirements and verification - Part 6: Tilting operator's cabs - Amendment 1, \$19.00

ISO 15871:2019. Industrial trucks - Specifications for indicator lights for container handling and grappler arm operations, \$45.00

### **INFORMATION AND DOCUMENTATION (TC 46)**

ISO 8:2019. Information and documentation - Presentation and identification of periodicals, \$138.00

### **IRON ORES (TC 102)**

ISO 2597-2:2019. Iron ores - Determination of total iron content - Part 2: Titrimetric methods after titanium(III) chloride reduction, \$103.00

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

ISO 21809-11:2019. Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 11: Coatings for in-field application, coating repairs and rehabilitation, \$185.00

### PAINTS AND VARNISHES (TC 35)

ISO 2812-3:2019. Paints and varnishes - Determination of resistance to liquids - Part 3: Method using an absorbent medium, \$68.00

ISO 8130-1:2019. Coating powders - Part 1: Determination of particle size distribution by sieving. \$68.00

ISO 8130-7:2019. Coating powders - Part 7: Determination of loss of mass on stoving, \$45.00 ISO 8130-11:2019, Coating powders - Part 11: Inclined-plane flow test, \$45.00

ISO 8130-12:2019, Coating powders - Part 12: Determination of compatibility, \$68.00

ISO 8130-13:2019. Coating powders - Part 13: Particle size analysis by laser diffraction, \$68.00

ISO 8130-14:2019, Coating powders - Part 14: Vocabulary, \$45.00

### PHOTOGRAPHY (TC 42)

ISO 516:2019, Camera shutters - Timing - General definition and mechanical shutter measurements, \$138.00

### **PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)**

ISO 787-17:2019, General methods of test for pigments and extenders - Part 17: Comparison of lightening power of white pigments, \$45.00

### **PLASTICS (TC 61)**

ISO 178:2019. Plastics - Determination of flexural properties, \$138.00

### **POWDER METALLURGY (TC 119)**

ISO 4491-4:2019. Metallic powders - Determination of oxygen content by reduction methods - Part 4: Total oxygen by reduction-extraction, \$45.00

### **ROAD VEHICLES (TC 22)**

ISO 20934:2019, Road vehicles - Fuse-links with axial terminals for use in 48V networks - Types SF36-70V, SF51-70V and SF56-70V, \$138.00

ISO 4141-1:2019. Road vehicles - Multi-core connecting cables - Part 1: Test methods and requirements for basic performance sheathed cables, \$68.00

ISO 4141-2:2019. Road vehicles - Multi-core connecting cables - Part 2: Test methods and requirements for high performance sheathed cables, \$45.00

ISO 4141-3:2019. Road vehicles - Multi-core connecting cables - Part
 3: Construction, dimensions and marking of unscreened sheathed low-voltage cables, \$68.00

ISO 15118-1:2019, Road vehicles - Vehicle to grid communication interface - Part 1: General information and use-case definition, \$232.00

ISO 17840-2:2019, Road vehicles - Information for first and second responders - Part 2: Rescue sheet for buses, coaches and heavy commercial vehicles. \$103.00

ISO 17840-3:2019. Road vehicles - Information for first and second responders - Part 3: Emergency response guide template, \$209.00

### SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21130:2019, Ships and marine technology - Major components of emergency towing arrangements, \$138.00

ISO 21539:2019. Ships and marine technology - Testing specification for walkways using electrical resistance trace heating, \$68.00 ISO 21885:2019. Ships and marine technology - Testing specification for stairsteps using electrical resistance trace heating, \$68.00

ISO 22419:2019. Ships and marine technology - Testing specification for handrails using electrical resistance trace heating, \$68.00

### **SMALL CRAFT (TC 188)**

ISO 11591:2019. Small craft - Field of vision from the steering position, \$68.00

### **SPORTS AND RECREATIONAL EQUIPMENT (TC 83)**

ISO 20957-9/Amd1:2019. Stationary training equipment - Part 9: Elliptical trainers, additional specific safety requirements and test methods - Amendment 1, \$19.00

ISO 20739:2019. Martial arts - Wushu Taiji clothing - Requirements and test methods, \$68.00

### STEEL (TC 17)

ISO 11484:2019. Steel products - Employers qualification system for non-destructive testing (NDT) personnel, \$138.00

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

ISO 8560:2019, Technical drawings - Construction drawings -Representation of modular sizes, lines and grids, \$68.00

### **TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)**

ISO 22259:2019. Conference systems - Equipment - Requirements, \$162.00

ISO 30042:2019, Management of terminology resources - TermBase eXchange (TBX), \$185.00

### **TOBACCO AND TOBACCO PRODUCTS (TC 126)**

ISO 22253:2019. Cigarettes - Determination of nicotine in total particulate matter from the mainstream smoke with an intense smoking regime - Gas-chromatographic method, \$68.00

## TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 11783-2:2019. Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 2: Physical layer, \$209.00

### **WATER QUALITY (TC 147)**

ISO 21115:2019. Water quality - Determination of acute toxicity of water samples and chemicals to a fish gill cell line (RTgill-W1), \$185.00

### **ISO Technical Reports**

### **PLASTICS (TC 61)**

ISO/TR 20118:2019. Plastics - Guidance on fire characteristics and fire performance of PVC materials used in building applications, \$185.00

### **ROAD VEHICLES (TC 22)**

<u>ISO/TR 8713:2019</u>, Electrically propelled road vehicles - Vocabulary, \$45.00

### **ISO Technical Specifications**

### **PHOTOGRAPHY (TC 42)**

<u>ISO/TS 20793:2019.</u> Photography - Lenticular print for changing images - Measurements of image quality, \$138.00

### PLASTICS (TC 61)

ISO/TS 19278:2019, Plastics - Instrumented micro-indentation test for hardness measurement, \$68.00

### **ROAD VEHICLES (TC 22)**

ISO/TS 14198:2019, Road vehicles - Ergonomic aspects of transport information and control systems - Calibration tasks for methods which assess driver demand due to the use of in-vehicle systems, \$138.00

### **WATER QUALITY (TC 147)**

ISO/TS 12869:2019. Water quality - Detection and quantification of Legionella spp. and/or Legionella pneumophila by concentration and genic amplification by quantitative polymerase chain reaction (qPCR), \$185.00

### **IEC Standards**

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

IEC 61892-1 Ed. 4.0 b:2019. Mobile and fixed offshore units -Electrical installations - Part 1: General requirements and conditions, \$235.00

IEC 61892-2 Ed. 3.0 b:2019, Mobile and fixed offshore units -Electrical installations - Part 2: System design, \$375.00

IEC 61892-3 Ed. 4.0 b:2019, Mobile and fixed offshore units -Electrical installations - Part 3: Equipment, \$317.00

IEC 61892-4 Ed. 2.0 b:2019, Mobile and fixed offshore units -Electrical installations - Part 4: Cables, \$164.00

IEC 61892-5 Ed. 4.0 b:2019. Mobile and fixed offshore units -Electrical installations - Part 5: Mobile units, \$199.00

<u>IEC 61892-6 Ed. 4.0 b:2019.</u> Mobile and fixed offshore units -Electrical installations - Part 6: Installation, \$281.00

IEC 61892-7 Ed. 4.0 b:2019, Mobile and fixed offshore units -Electrical installations - Part 7: Hazardous areas, \$317.00

S+ IEC 61892-1 Ed. 4.0 en:2019 (Redline version), Mobile and fixed offshore units - Electrical installations - Part 1: General requirements and conditions, \$305.00

### INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

<u>IEC 61158-1 Ed. 2.0 en:2019.</u> Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series, \$352.00

IEC 61784-1 Ed. 5.0 en:2019, Industrial communication networks - Profiles Part 1: Fieldbus profiles, \$410.00

IEC 61784-2 Ed. 4.0 en:2019, Industrial communication networks -Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3, \$410.00

IEC 61158-5-2 Ed. 4.0 en:2019, Industrial communication networks -Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements, \$410.00

<u>IEC 61158-5-4 Ed. 3.0 en:2019.</u> Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements, \$352.00

<u>IEC 61158-3-25 Ed. 1.0 en:2019.</u> Industrial communication networks - Fieldbus specifications - Part 3-25: Data-link layer service definition - Type X elements, \$164.00

- <u>IEC 61158-4-21 Ed. 2.0 en:2019</u>, Industrial communication networks Fieldbus specifications Part 4-21: Data-link layer protocol specification Type 21 elements, \$375.00
- <u>IEC 61158-4-25 Ed. 1.0 en:2019</u>, Industrial communication networks Fieldbus specifications Part 4-25: Data-link layer protocol specification Type 25 elements, \$352.00
- IEC 61158-5-10 Ed. 4.0 en:2019, Industrial communication networks -Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements, \$410.00
- <u>IEC 61158-5-12 Ed. 4.0 en:2019</u>, Industrial communication networks Fieldbus specifications Part 5-12: Application layer service definition Type 12 elements, \$387.00
- <u>IEC 61158-5-19 Ed. 4.0 en:2019</u>, Industrial communication networks Fieldbus specifications Part 5-19: Application layer service definition Type 19 elements, \$235.00
- IEC 61158-5-21 Ed. 2.0 en:2019, Industrial communication networks -Fieldbus specifications - Part 5-21: Application layer service definition - Type 21 elements, \$352.00

### **PRIMARY CELLS AND BATTERIES (TC 35)**

- <u>IEC 62281 Ed. 4.0 b:2019.</u> Safety of primary and secondary lithium cells and batteries during transport, \$235.00
- S+ IEC 62281 Ed. 4.0 en:2019 (Redline version), Safety of primary and secondary lithium cells and batteries during transport, \$305.00

### **SEMICONDUCTOR DEVICES (TC 47)**

- IEC 60749-18 Ed. 2.0 b:2019. Semiconductor devices Mechanical and climatic test methods - Part 18: Ionizing radiation (total dose), \$164.00
- <u>S+ IEC 60749-18 Ed. 2.0 en:2019 (Redline version).</u> Semiconductor devices Mechanical and climatic test methods Part 18: Ionizing radiation (total dose), \$213.00

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

### **PUBLIC REVIEW**

**BDAP** 

Public Review: March 29, 2019 to June 29, 2019

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

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

# **Proposed Foreign Government Regulations**

### **Call for Comment**

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

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

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

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 <a href="https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm">https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm</a> 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.

### Transfer of Proposed American National Standard

# BSR/NSF 444-201x, Prevention of Injury and Disease Associated with Building Water Systems

NSF has transferred to ASHRAE the following proposed ANS announced previously via a PINS: BSR/NSF 444-201x, Prevention of Injury and Disease Associated with Building Water Systems. Questions may be directed to Stephanie Reiniche at ASHRAE (sreiniche@ashrae.org).

# ANSI Accredited Standards Developers

### Approval of Reaccreditation

### Building Performance Institute, Inc. (BPI)

The reaccreditation of the Building Performance Institute, Inc. (BPI), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on BPI-sponsored American National Standards, effective April 5, 2019. For additional information, please contact: Ms. Susan Carson, Manager of Standards, Building Performance Institute, Inc., 107 Hermes Road, Suite 210, Malta, NY 12020; phone: 518.899.2727; e-mail: scarson@bpi.org.

# IEEE – The Institute of Electrical and Electronics Engineers

ANSI's Executive Standards Council has approved the reaccreditation of IEEE – The Institute of Electrical and Electronics Engineers, an ANSI Member and Accredited Standards Developer, under its recently revised bylaws and standards board operations manual for documenting consensus on IEEE-sponsored American National Standards, effective April 5, 2019. For additional information, please contact: Mr. David Ringle, Director, IEEE-SA Governance, 445 Hoes Lane, Piscataway, NJ 08854-4141; phone: 732.562.3806; e-mail: d.ringle@ieee.org.

# International Organization for Standardization (ISO)

# Establishment of a New ISO Subcommittee ISO/TC 195/SC 3 – Drilling and foundation equipment

A new ISO Subcommittee, ISO/TC 195/SC 3 – Drilling and foundation equipment, has been formed. The Secretariat has been assigned to France (AFNOR).

ISO/TC 195/SC 3 operates under the following scope:

Development of standards in the field of Drilling and foundation equipment within the scope of ISO/TC 195 – Building construction machinery and equipment.

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

### **New Secretariats**

# ISO/TC 304 – Healthcare organization management

InGenesis, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 304 secretariat to InGenesis, Inc. The secretariat was previously held by the University of Texas Medical Branch (UTMB) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 304 operates under the following scope:

Standardization in the field of healthcare organization management including: classification, terminology, nomenclature, management practices and metrics that comprise the non-clinical operations in healthcare entities.

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

# **Information Concerning**

### International Organization for Standardization (ISO)

### Call for U.S. TAG Administrators TC 59 – Buildings and Civil Engineering Works

There is currently no ANSI-accredited U.S. TAG Administrator for TC 59, TC 59/SC 2, TC 59/SC 14, TC 59/SC 15, TC 59/SC 16, and TC 59/SC 18, and therefore ANSI is not a member of these committees.

The Secretariats for these committees are currently held by Norway (SN) for TC 59; the United Kingdom (BSI) for TC 59/SC 2 and TC59/SC 14; Japan (JISC) for TC 59/SC 15; Spain (UNE) for TC 59/SC 16; and South Africa (SABS) for TC 59/SC 18.

### TC 59 operates under the following scope:

Standardization in the field of buildings and civil engineering works, of:

- general terminology;
- organization of information in the processes of design, manufacture and construction;
- general geometric requirements for buildings, building elements and components including modular coordination and its basic principles, general rules for joints, tolerances and fits, performance and test standards for sealants;
- general rules for other performance requirements, including functional and user requirements related to service life, sustainability, accessibility and usability;
- general rules and guidelines for addressing the economic, environmental and social impacts and aspects related to sustainable development;
- geometric and performance requirements for components that are not in the scope of separate ISO technical committees;
- procurement processes, methods and procedures.

### TC 59/SC 2 operates under the following scope:

Terminology and harmonization of languages

### TC 59/SC 14 operates under the following scope:

Design life

### TC 59/SC 15 operates under the following scope:

Standardization in the field of buildings, focusing on performance description and requirements, user requirements, and the means to evaluate building and housing solutions, including, but not limited to:

- Structural safety;
- Structural serviceability;
- Structural durability;
- Fire safety;
- Operating energy;
- Accessibility and usability;
- Sustainability;

excluding the determination of values required for specific purposes.

### TC 59/SC 16 operates under the following scope:

Accessibility and usability of the built environment

### TC 59/SC 18 operates under the following scope:

Standardization of the conceptual framework and characteristics for procurement processes, methods and procedures for the construction, renovation, refurbishment, alteration, maintenance and demolition of construction works

### including:

- the flow of information from the business case through to the completion and feedback on the lessons learned;
- funding options, selection methods, pricing methods, and contracting methods;
- the role of the client in the delivery of projects; and
- control frameworks;

### excluding those relating to:

- conditions of contracts;
- methods of measurement associated with a bill of quantities;
- project management, and
- logistics.

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 (<a href="mailto:isot@ansi.org">isot@ansi.org</a>) for more information.

# **Information Concerning**

### **Call for Members (ANS Consensus Bodies)**

# Call for DirectTrust Standards Members for DS2019, Direct Standard™

Are you interested in contributing to the development and maintenance of the Direct Standard tm to enable exchange of authenticated, encrypted health information to known trusted recipients?

DirectTrust Standards is currently looking for members in the following categories:

(a) Providers of Direct exchange services; (b) Users of Direct exchange services; (c) Healthcare providers or provider organizations; (d) Governmental agencies; (e) Non-profit organizations; (f) Patient or consumer advocates; (g) General interest

If you are interested in joining the DS2019, contact <a href="mailto:standards@directtrust.org">standards@directtrust.org</a> or visit <a href="mailto:https://standards.directtrust.org/">https://standards.directtrust.org/</a> for more information.

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Revision to NSF/ANSI 2 – 2018 Issue 34, Revision 2 (March 2019)

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NSF International Standard/ American National Standard –

# Food equipment

**Rationale:** The Conference for Food Protection has requested considerations be made for modifying NSF/ANSI Standards cleaning terminology to align with the terminology used in the FDA Food Code. The term in-place cleaning currently used in the NSF Standards is requested to be replaced with the term CIP used in the FDA Food Code. The concept of CIP as defined in the Food Code is currently being applied in the NSF/ANSI Standards under the different term in-place cleaning. The alignment of terminology will provide consistency in the industry.

### 5 Design and construction

**5.1.3** Food zones shall be readily accessible and easily cleanable or shall be designed for in-place cleaning (IPC) for CIP when a readily accessible design is not feasible.

**5.1.4** Food zones for which IPC CIP is intended shall be designed and manufactured so that cleaning and sanitizing solutions may be circulated or passed throughout the fixed system. The design shall ensure that cleaning and sanitizing solutions contact all food contact surfaces. The system shall be self-draining or capable of being completely evacuated. Equipment and appurtenances designed for IPC CIP shall have a section of the cleaned area accessible for inspection or shall provide for other acceptable inspection methods. The manufacturer shall provide written instructions for the cleaning and sanitizing of all food zone surfaces for which IPC CIP is intended. The type and concentration of sanitizing agent recommended in the instructions by the manufacturer shall comply with 40 CFR §180.940.

### 5.52 Food dispensing pumps

The entire pump assembly shall be easily cleanable. The assembly includes all valves and springs. Food dispensing pumps designed as a closed system may be cleaned by an IPC a CIP method.

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### 6 Performance

### 6.1 Cleaning and sanitization procedures

### **6.1.1 Performance requirement**

Cleaning and sanitization procedures recommended by the manufacturer shall effectively clean and sanitize food contact surfaces.

NOTE — This requirement applies to manual cleaning and sanitizing procedures and to IPC and sanitizing procedures recommended by the manufacturer.

**6.1.2.2** The equipment shall be operated so that food contact surfaces are exposed to the *E. coli* suspension. The equipment shall then be cleaned in place according to the manufacturer's instructions and refilled with sterile buffered dilution water (SBDW). The SBDW shall be dispensed and five 100 mL samples shall be collected at intervals from the start of the dispensing until the unit is empty. When adequate sample volumes cannot be realized, additional SBDW shall be added accordingly. The equipment shall then be operated so that food contact surfaces intended for IPC CIP are exposed to the SBDW. Sufficient SBDW shall then be dispensed. The challenge organisms present in each sample shall be collected and enumerated using the Standard Total Coliform Membrane Filter Procedure in accordance with APHA's *Standard Methods for the Examination of Water and Wastewater* Bookmark not defined.

# Annex A (normative)

Methods for preparing and analyzing in-place cleaning (IPC) CIP bacteria surrogate

### A.1 Summary

*E. coli* is used as the challenge organism for the <del>IPC</del> CIP test. Presented in this Annex are the methods used for suspension preparation, controls, and analysis of the challenge organism.

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Revision to NSF/ANSI/CAN 61 – 2018 Issue 150 Revision 1 (March 2019)

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[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted and strike-through text are within the scope of this ballot.]

# NSF/ANSI Standard for Drinking Water System Components – Health Effects

4 Pipes and related products

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4.5 Extraction procedures

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4.5.3 Exposure water

### 4.5.3.1 General

Exposure water selection shall be determined by the analytes of interest identified on the analytical summary (see 4.5.1). Exposure water(s) shall be selected in accordance with Annex B, section B.2.5.

### 4.5.3.2 Copper (C12200) pipe, tubing and fittings

Copper (C12200) pipe, tubing and fittings evaluated under section 4 of this standard shall not require analysis for regulated metals release under the pH 5 test condition provided the following use limitation statement is included in the manufacturer's use instructions or product literature that references this Standard:

"Copper [tube, pipe, or fitting] (Alloy [alloy designation]) has been evaluated by [Testing Organization] to NSF/ANSI/CAN 61 for use in drinking water supplies of pH 6.5 and above. Drinking water supplies that are less than pH 6.5 may require corrosion control to limit leaching of copper into the drinking water."

Note: This is the current use limitation statement for copper pipe. A separate NSF 61 task group will be review of this use limitation statement and proposing a revision to address conveyance of the criteria in Annex H (H.2.1) of this standard. The text from H.2.1 has been appended to this ballot for informative purposes.

### 4.5.3.23 Copper and copper alloys other than C12200

Copper and copper alloy pipe and tubing comprised of alloys other than C12200 shall be exposed in either the pH 5 (B.9.3) or the pH 6.5 (B.9.4) exposure waters (at the discretion of the manufacturer) and in the pH 40 8 (B.9.8) exposure waters as described in Annex B, Section B.9. Copper and copper alloy fittings comprosed of alloys other than C12200 intended to be used with copper and copper alloy pipe and tubing shall be exposed in either the pH 5 (B.9.3) or the pH 6.5 (B.9.4) exposure waters (at the discretion of the manufacturer) and in the pH 40 8 (B.9.8) exposure water, as described in Annex B, Section B.9. For all copper and copper alloy pipes, tubing, and fittings tested using the pH 6.5 exposure water, the

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manufacturer's literature shall indicate this use limitation by inclusion of the following statement in the use instructions or product literature that references this Standard:

"Copper [tube, pipe, or fitting] (Alloy [alloy designation]) has been evaluated by [Testing Organization] to NSF/ANSI/CAN 61 for use in drinking water supplies of pH 6.5 and above. Drinking water supplies that are less than pH 6.5 may require corrosion control to limit leaching of copper into the drinking water."

Rationale: C12200 pipe, fittings and tubing will now be covered separately in 4.5.3.2. In addition, the change from the pH 10 test water to the pH 8 (Sec 9 test water) is consistent with criteria for how other copper alloy products are tested under Table B3b.

### **Annex B**

(normative)

### Product/material evaluation

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### **B.2.5.3 Copper and copper alloys**

Pipe and tubing manufactured from copper alloy C12200 shall be exposed in the pH 6.5 (Annex B, section B.9.4) and in the pH 10 (Annex B, section B.9.7) extraction waters. The manufacturer's use instructions shall indicate this use limitation.

Copper and copper alloy fittings intended to be used with copper pipe and tubing shall be exposed in either the pH 5 or the pH 6.5 exposure waters (at the discretion of the manufacturer) and in the pH 10 exposure water. When the pH 6.5 exposure water is chosen, the manufacturer's literature shall indicate this use limitation.

Rationale: Requirements for copper and copper alloys are being addressed in 4.5.3.2.

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Table B.3b – Alternate extraction water selection

Material type by section	Analyte of interest	X = Required extraction water selection							
		<b>pH 5</b> (B.9.3)	<b>pH 10</b> (B.9.7)	<b>pH 6.5</b> (B.9.4)	<b>pH 8</b> (B.9.8)	Reagent Water <sup>34</sup> (B.9.3)			
Sections 4, 5, 6, and 8									
Brass and bronze surfaces	all analytes				Х				
Chrome, zinc, galvanized, and other non-brass and non-bronze metal surfaces excluding copper pipe <sup>1</sup>	metals	Х	Х						
	organics				Х				
Copper pipe other than (C12200)	metals	X <sup>2</sup>	X	X <sup>2</sup>	X				

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pipe, tubing and copper alloy fittings used exclusively to join copper pipe	organics			Х	
Copper (C12200) pipe, tubing and fittings	metals	$X_3$		X	
	organics			X	
PVC and CPVC materials	metals	Χ	Χ		
	organics			Х	
Cementitious materials	metals	Х	Χ		
	organics			Х	
Asphaltic coatings	metals	Х	Χ		
	organics			Х	·
All other wetted surfaces	all analytes			Х	

<sup>&</sup>lt;sup>1</sup> Chrome, zinc, and galvanized surfaces refers to those intentionally coated and is not a selection criteria for small areas of overspray.

<sup>&</sup>lt;sup>2</sup> The pH 6.5 test water may be used in replacement of the pH 5 test water provided the requirements in 4.5.3.<del>2</del>3 are also met.

<sup>&</sup>lt;sup>3</sup> Metals analysis with the pH 5 test water is not required provided the requirements in 4.5.3.2 are also met.

<sup>&</sup>lt;sup>34</sup> Placeholder for eventual citing of test waters used for process media currently contained in section 7.

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Revision to NSF/ANSI 170 – 2017 Issue 24, Revision 2 (March 2019)

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NSF International Standard/ American National Standard –

# Glossary of Food Equipment Terminology

3 Definitions

**3.114 CIP** in-place cleaning: A method of cleaning and sanitizing equipment surfaces in their assembled form in place by mechanically circulating or passing a detergent solution, water rinse, and sanitizing solution onto or over the surfaces. Equipment designed for manual cleaning such as band saws, slicers, or mixers are not intended for CIP.

Rationale: The Conference for Food Protection has requested considerations be made for modifying NSF/ANSI Standards cleaning terminology to align with the terminology used in the FDA Food Code. The term in-place cleaning currently used in the NSF Standards is requested to be replaced with the term CIP used in the FDA Food Code. The concept of CIP as defined in the Food Code is currently being applied in the NSF/ANSI Standards under the different term in-place cleaning. The alignment of terminology will provide consistency in the industry.

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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 for Wastewater Treatment Systems —

# Residential wastewater treatment systems

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### 8 Performance testing and evaluation

This section describes the methods used to evaluate the performance of residential wastewater treatment systems designed to remove nitrogen from residential wastewater. Performance testing and evaluation shall not be restricted to specific seasons.

### 8.1 Preparations for testing and evaluation

- **8.1.1** The system shall be assembled, installed, and filled in accordance with the manufacturer's instructions.
- **8.1.2** The manufacturer shall inspect the system for proper installation. If no defects are detected and the system is judged to be structurally sound, it shall be placed into operation in accordance with the manufacturer's start-up procedures. If the manufacturer does not provide a start-up procedure,  $\frac{2}{3}$  of the system's capacity shall be filled with water and the remaining  $\frac{1}{3}$  shall be filled with residential wastewater.
- **8.1.3** The system shall undergo design loading (see 8.2.2.1) until testing and evaluations are initiated. Sample collection and analysis shall be initiated within three weeks of filling the system and shall continue without interruption until the end of the evaluation period, except as specified in 8.4.2.
- **8.1.4** If conditions at the test site preclude installation of the system at its normally prescribed depth, the manufacturer shall be permitted to cover the system with soil to achieve normal installation depth.
- **8.1.5** Performance testing and evaluation of systems shall not be restricted to specific seasons.
- **8.1.6** When possible, electrical or mechanical defects shall be repaired to prevent delays. All repairs made during the performance testing and evaluation shall be documented in the final report.
- **8.1.7** The system shall be operated in accordance with the manufacturer's instructions. However, routine service and maintenance of the system shall not be allowed during the testing and evaluation period.

NOTE — The manufacturer may recommend or offer more frequent service and maintenance of the system, but for purpose of performance testing and evaluation, the service and maintenance shall not be performed beyond what is specified in this Standard.

Rationale: An informative NOTE cannot contain a requirement (shall).

Revision to NSF/ANSI 245-2018 Draft 1, Issue 15 (April 2019)

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- **8.1.8** Prior to initiation of design loading, the air delivery component (if one is utilized) either air compressor or blower shall be connected to the system and run for a minimum of four hours. Air pressure shall be measured by a pressure gauge installed near the exhaust port of the air delivery component and that reading recorded. Then the air compressor or blower component shall be disconnected from the system and the air flow measured at the system pressure and recorded.
- **8.1.9** When it is not possible to measure pressure on the system under test, the measurement may be completed with a separate air delivery component plumbed to a different tank. All plumbing and air distribution components used in the tested system shall be installed with the air delivery component. Potable water or wastewater shall be used. Air distribution outlets or diffusers shall be located at the same depth as in the tested system. The air delivery component shall be run for a minimum of four hours. Air pressure shall be measured by a pressure gauge installed near the exhaust port of the air delivery component and that reading recorded.

Rationale: Section 8.1.9 provides a way to deal with previously certified systems without the need to install an actual treatment system in the ground. In this situation, an equivalent measurement can be made by installing the normal aeration system plumbing in a clean water tank. Tank geometry is irrelevant. The only critical factor is getting the diffusers to the same depth as the tested system. Backpressure will be the same whether you use clean water or wastewater.

**8.1.10** Following the pressure measurement, a separate air delivery component shall be tested for flow. This air delivery component shall be plumbed into the rig diagrammed below. After adjusting the backpressure to the pressure measured in 8.1.8 or 8.1.9, the air delivery component shall run for a minimum of four hours. After the four-hour minimum run time, backpressure shall be adjusted if needed to match pressure measured in 8.1.8 or 8.1.9 and then flow shall be measured and recorded.

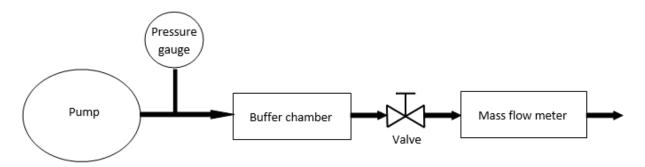


Figure 1