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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: April 19, 2015

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

Addenda

BSR/ASHRAE/ASHE Addendum 170c-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum updates the terminology requirements of the Standard for Laboratory Work Areas to align with FGI-2014 (reference 2.1-4.1.2) and clarifies minimum requirements.

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

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170f-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addenda clarifies requirements for the Primary Supply Diffuser Array in Operating Rooms and similar spaces.

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

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170g-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addenda completes the process of coordinating operating room and procedure room terminology with the 2014 FGI Guidelines.

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

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

NSF (NSF International)

Revision

BSR/NSF 42-201x (i82r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 44-201x (i37r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of residential cation exchange water softeners. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to owners.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 53-201x (i98r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2014)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 61-201x (i121r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2014a)

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: Monica Leslie, (734) 827-5643, mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 330-201x (i7r3), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2013)

This Standard establishes definitions for drinking water treatment units and related components.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

BSR/UL 588-201x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2013a)

Revises the following proposals as the result of comments received: Miscellaneous revisions and revision to ampacity of cords and revised requirements for parallel-connected lighting strings.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

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

BSR/UL 1561-201x, Standard for Safety for Dry-Type General Purpose and Power Transformers (revision of ANSI/UL 1561-2014)

(1) Addition of Overload Test requirements for 240 C insulation system.

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

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

Comment Deadline: May 4, 2015**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S202-201x, Code of Standard Practice for Cold-Formed Steel Structural Framing (revision of ANSI/AISI S202-2011)

In the absence of specific instructions to the contrary in the contract documents, the trade practices defined in this Code of Standard Practice would govern the design, fabrication, and installation of cold-formed steel structural framing.

Single copy price: Free

Obtain an electronic copy from: hchen@steel.org

Order from: Helen Chen, (202) 452-7100, hchen@steel.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API Recommended Practice 13B-1/ISO 10414-1, 4th Edition-2008 (R201x), Recommended Practice for Field Testing Water-based Drilling Fluids (reaffirmation of ANSI/API RP 13B-1/ISO 10414-1-2008)

This part of ISO 10414 provides standard procedures for determining the following characteristics of water based drilling fluids: (a) drilling fluid density (mud weight); (b) viscosity and gel strength; (c) filtration; (d) water, oil and solids contents; (e) sand content; (f) methylene blue capacity; (g) pH; (h) alkalinity and lime content; (i) chloride content; and (j) total hardness as calcium. Annexes A through K provide additional test methods. This edition of API 13B-1 is the identical national adoption of ISO 10414-1:2008, Petroleum and natural gas industries - Field testing of drilling fluids - Part 1: Water-based fluids.

Single copy price: \$165.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1613545>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API RP 13I/ISO 10416, 8th Edition-2008 (R201x), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation and redesignation of ANSI/API RP 13I/ISO 10416-2008)

This International Standard provides procedures for the laboratory testing of both drilling fluid materials and drilling fluid physical, chemical and performance properties. It is applicable to both water-based and oil-based drilling fluids, as well as the base or "make-up" fluid. It is not applicable as a detailed manual on drilling fluid control procedures. Recommendations regarding agitation and testing temperature are presented because the agitation history and temperature have a profound effect on drilling fluid properties.

Single copy price: \$186.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1613565>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API RP 13M-4/ISO 13503-4, 1st Edition-2006 (R201x), Recommended Practice for Measuring Stimulation and Gravel-pack Fluid Leakoff Under Static Conditions (reaffirmation and redesignation of ANSI/API RP 13M/ISO 13503-4-2006)

Provides for consistent methodology to measure fluid loss of stimulation and gravel-pack fluid under static conditions. However, the procedure in this Recommended Practice excludes fluids that react with porous media.

Single copy price: \$57.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1320585>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API RP 19C- ISO 13503-2, 1st Edition-2007 (R201x), Recommended Practice for Measurement of Properties of Proppants Used in Hydraulic Fracturing and Gravel-packing Operations (reaffirmation and redesignation of ANSI/API RP 19C-ISO 13503-2, 1st Edition-2007)

RP 19C provides standard testing procedures for evaluating proppants used in hydraulic fracturing and gravel packing operations. The objective of this recommended practice is to provide a consistent methodology for testing performed on hydraulic fracturing and/or gravel packing proppants. These procedures have been developed to improve the quality of proppants delivered to the well site. They are for use in evaluating certain physical properties used in hydraulic fracturing and gravel packing operations.

Single copy price: \$113.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1559345>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API RP 19D/ISO 13503-5, 1st Edition-2007 (R201x), Recommended Practice for Measuring the Long-Term Conductivity of Proppants (reaffirmation and redesignation of ANSI/API RP 19D/ISO 13503-5, 1st Edition-2007)

RP 19D provides standard testing procedures for evaluating proppants used in hydraulic fracturing and gravel-packing operations. The proppants mentioned in this publication refer to sand, ceramic media, resin-coated proppants, gravel-packing media, and other materials used for hydraulic fracturing and gravel-packing operations. The objective of RP 19D is to provide consistent methodology for testing performed on hydraulic-fracturing and/or gravel-packing proppants. It is not intended for use in obtaining absolute values of proppant pack conductivities under downhole reservoir conditions.

Single copy price: \$107.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1560425>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API Spec 13A/ISO 13500, 18th Edition-2010 (R201x), Specification for Drilling Fluid Materials (reaffirmation and redesignation of ANSI/API Spec 13A/ISO 13500, 18th Ed-2010)

Covers physical properties and test procedures for materials manufactured for use in oil- and gas-well drilling fluids. The materials covered are barite, haematite, bentonite, nontreated bentonite, OCMA-grade bentonite, attapulgite, sepiolite, technical-grade low-viscosity carboxymethylcellulose (CMC LVT), technical-grade high-viscosity carboxymethylcellulose (CMC-HVT), starch, low-viscosity polyanionic cellulose (PAC-LV), high-viscosity polyanionic cellulose (PAC-HV), drilling-grade Xanthan gum, and barite 4, 1.

Single copy price: \$181.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1673286>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API Spec 14L/ISO 16070, 2nd Edition-2007 (R201x), Specification for Lock Mandrels and Landing Nipples (reaffirmation and redesignation of ANSI/API Spec 14L/ISO 16070-2007)

Provides the requirements for lock mandrels and landing nipples within the production/injection conduit for the installation of flow control or other equipment used in the petroleum and natural gas industries. It includes the interface connections to the flow control or other equipment, but does not cover the connections to the well conduit. This edition of API Specification 14L is an identical adoption of ISO 16070.

Single copy price: \$119.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1513885>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Reaffirmation**

BSR/API Std 11D3/ISO 15136-2, 1st Edition-2008 (R201x), Progressing Cavity Pump Systems for Artificial Lift - Surface-drive Systems (reaffirmation and redesignation of ANSI/API Spec 11D3/ISO 15136-2-2008)

This standard provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings and repair of progressing cavity pump surface-drive systems for use in the petroleum and natural gas industry. This standard is applicable to those products meeting the definition of surface-drive systems. Additionally, informative annexes provide information on brake system selection, installation, and operation; and sucker rod selection and use.

Single copy price: \$106.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1568046>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

API (American Petroleum Institute)**Withdrawal**

ANSI/API 11D2/ISO 15136-1-2010, Progressing Cavity Pump Systems for Artificial Lift - Pumps (withdrawal of ANSI/API 11D2/ISO 15136-1-2010)

This document provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings, functional evaluation, repair, handling and storage of progressing cavity pumps for use in the petroleum and natural gas industry. This document is applicable to those products meeting the definition of progressing cavity pumps (PCP) included therein.

Single copy price: \$155.00

Obtain an electronic copy from: <http://www.techstreet.com/products/1745226>

Order from: Katie Burkle, (202) 682-8507, burklek@api.org

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

ASA (ASC S1) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S1.15-2005/Part 2 (R201x), Measurement Microphones - Part 2: Primary Method for Pressure Calibration of Laboratory Standard Microphones by the Reciprocity Technique (reaffirmation of ANSI/ASA S1.15-2005/Part 2 (R2010))

Specifies a primary method for calibration of microphones by the reciprocity technique. The specifications are intended to ensure that primary calibration with the reciprocity technique can attain the highest accuracy. Technical requirements of this standard are identical to IEC 61094-2:1992, Measurement microphones - Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique. Improvements have been made to include recent technical information.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S3) (Acoustical Society of America)***New National Adoption***

BSR/ASA S3.55-201X/Part 3/IEC 60318-3:201x, Electroacoustics - Simulators of Human Head and Ear - Part 3: Acoustic Coupler for the Calibration of Supra-Aural Earphones Used in Audiometry (identical national adoption of IEC 60318-3:2014)

Specifies an acoustic coupler for measurement of supra-aural audiometric earphones in the frequency range from 125 Hz to 8000 Hz. The sound pressure developed by an earphone is not, in general, the same in the coupler as in a person's ear. However, the acoustic coupler can be used as an objective and reproducible means of measuring the output of supra-aural earphones. It can be used for specifying reference equivalent threshold sound pressure levels (RETSPL) for the calibration of audiometers.

Single copy price: \$61.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S3) (Acoustical Society of America)***Reaffirmation***

BSR/ASA S3.35-2010 (R201x), Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (reaffirmation of ANSI ASA S3.35-2010)

Describes techniques used to measure hearing aids under simulated conditions of real ear use. The need arises from the importance of including acoustical variations in performance data caused when hearing aids are worn. For example, the diffraction of the body and head of a hearing aid wearer on incident sound can significantly change input sound pressure to a hearing aid microphone. For the purpose of these measurements, a manikin and ear simulator are used to represent a typical hearing aid wearer.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

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

BSR/ASHRAE Addendum 55d-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013)

Addendum b to 55-2013 changed the still air threshold from 0.15 to 0.2 m/s (30 to 40 fpm) to align the compliance paths that previously had differing definitions of still air. This proposed addendum updates additional references and figures in the standard that were impacted by Addendum b. The air speed limit to prevent draft sensation in cool environments is moved to Section 5.3.3.4 to clarify how the limit fits into the other air speed limits and Figure 5.3.3A. Normative Appendix C is also modified to state that the SET model cooling effect applies to both air and radiant temperature.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <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: Online Comment Database at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

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

BSR/ASHRAE Addendum 55e-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013)

This proposed addendum removes permissive language found throughout the standard (excluding Title, Sections 1, 2, 3, 7 & ALL Informative Appendices). In doing so, values for maximum differences of clothing level and metabolic rate between multiple occupants in a zone that allow averaging into a single representative occupant where established at 0.1 met and 0.15 clo.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <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: Online Comment Database at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

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

BSR/ASHRAE Addendum aq to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum adds Elevator Objects Types, COV Property Multiple Services to address the requirements for a large number of values to be subscribed to and for the notifications to have individual timestamps for those data changes, and also adds a New Fault Algorithm: FAULT_LISTED.

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>

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

BSR/ASHRAE Standard 33-201x, Methods of Testing Forced Circulation Air Cooling and Air Heating Coils (revision of ANSI/ASHRAE Standard 33-2001)

ASHRAE Standard 33 is a Method of Test (MOT) standard for use in laboratory testing of forced circulation air-heating and air-cooling coils. The 2015 edition of this standard was updated with assistance from the members of the product subsection Forced Circulation Air-Cooling & Air-Heating Coils (ACHC) at Air-Conditioning, Heating and Refrigeration Institute (AHRI). This MOT is used in conjunction with the performance metrics in AHRI Standard 410 as part of AHRI's ACHC certification program.

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>

ASIS (ASIS International)**New Standard**

BSR ASIS/RIMS RA.1-201X, Risk Assessment (new standard)

Organizations of all types and sizes can use the concepts and guidance of this Standard to conduct risk assessments supporting their risk management activities. It is recommended that organizations implementing risk and resilience based management system standards use the procedures described in this Standard in conjunction with the ISO 31000:2009 to conduct their risk management activities.

Single copy price: \$100.00

Obtain an electronic copy from: standards@asisonline.org

Order from: Aivelis Opicka, (703) 518-1439, standards@asisonline.org

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

AWS (American Welding Society)**New Standard**

BSR/AWS A5.35/A5.35M-201x, Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding (new standard)

This specification prescribes requirements for the classification, based on underwater wet welding tests and associated evaluation, of covered electrodes for underwater wet shielded metal arc welding.

Single copy price: \$25.00

Obtain an electronic copy from: eabrams@aws.org

Order from: Efram Abrams, (305) 443-9353, eabrams@aws.org

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

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

BSR/AWWA C116/A21.16-201x, Protective Fusion-Bonded Coatings for the Interior and Exterior Surfaces of Ductile-Iron and Gray-Iron Fittings (revision of ANSI/AWWA C116/A21.16-2009)

This standard describes protective fusion-bonded coatings for the interior and exterior surfaces of ductile-iron and gray-iron fittings used for raw water, potable water, wastewater, and reclaimed water systems. The standard describes the material, application, and performance requirements for these coatings.

Single copy price: \$20.00

Obtain an electronic copy from: v david@awwa.org

Order from: Paul Olson, (303) 347-3178, polson@awwa.org; v david@awwa.org

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

CSA (CSA Group)**Revision**

BSR Z21.58-201x, Standard for Outdoor Cooking Gas Appliances (same as CSA 1.6) (revision of ANSI Z21.58-2006 (R2012))

Details test and examination criteria for portable or post-mounted outdoor cooking gas appliances having top or surface units or broilers units or combinations thereof which are (1) for use with natural gas, manufactured gas, mixed gas, liquefied petroleum gases, or LP gas-air mixtures on a fixed fuel piping systems, or (2) for connection to a self-contained liquefied petroleum gas supply system.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

EOS/ESD (ESD Association, Inc.)**New Standard**

BSR/ESD SP14.5-201x, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Near Field Immunity Scanning - Component/Module/PCB Level (new standard)

This standard practice establishes the procedure for testing and characterizing the sensitivity of IC's, modules, and PCB's against the effect of field-coupled pulses that are generated by ESD type pulses. The field-coupled pulses derived from the fast leading edge of transmission line pulses closely resemble electromagnetic fields as they occur inside a product subjected to human-metal ESD, such as specified by the IEC 61000-4-2. IEC 61000-4-2 is the primary standard for a system-level ESD test standard.

Single copy price: \$145.00 (List)/\$115.00 (EOS/ESD Members) [Hardcopy]; \$135.00 (List)/\$105.00 (EOS/ESD Members) [Softcopy]

Obtain an electronic copy from: cearl@esda.org

Order from: Christina Earl, (315) 339-6937, cearl@esda.org

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

EOS/ESD (ESD Association, Inc.)**Revision**

BSR/ESD STM11.12-201x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items - Volume Resistance Measurement of Static Dissipative Planar Materials (revision of ANSI/ESD STM11.12-2000 (R2007))

This standard test method defines a direct current measurement to determine the volume resistance of a static dissipative, planar material, without regard to its conduction mechanism.

Single copy price: \$145.00 (List)/\$115.00 (EOS/ESD Members) [Hardcopy]; \$135.00 (List)/\$105.00 (EOS/ESD Members) [Softcopy]

Obtain an electronic copy from: cearl@esda.org

Order from: Christina Earl, (315) 339-6937, cearl@esda.org

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

HL7 (Health Level Seven)**Reaffirmation**

BSR/HL7 V3 RCL R2-2007 (R201x), HL7 Version 3 Standard: Refinement, Constraint and Localization to Version 3 Messages, Release 2 (reaffirmation of ANSI/HL7 V3 RCL, R2-2007)

This is a recirculation ballot of May 2012 reaffirmation ballot.

Single copy price: Freely licensed to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

NASBLA (National Association of State Boating Law Administrators)

New Standard

BSR/NASBLA 101-201X, Basic Boating Knowledge - Human-Propelled, Paddlesports, Etc. (new standard)

This is the minimum standard that applies to all human-propelled boating courses in the U.S. states and territories and District of Columbia. The purpose is to establish the national standard for use by course providers to meet the needs of recreational boaters for human-propelled boating knowledge in order to identify and reduce primary risk factors and mitigate their effects on recreational boating.

Single copy price: Free

Obtain an electronic copy from: Pamela Dillon, pam@nasbla.org

Order from: Pamela Dillon, (859) 225-9487, pam@nasbla.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Reaffirmation

BSR/TAPPI T 1016 om-2010 (R201x), Average fiber diameter of fiber glass mats (reaffirmation of ANSI/TAPPI T 1016 om-2010)

This method covers the determination of the average fiber diameter (or distribution of diameters) of fibers used in nonwoven fiber glass mats.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Revision

BSR/TAPPI T 1013 om-201x, Loss on ignition of fiber glass mats (revision of ANSI/TAPPI T 1013 om-2010)

This method covers the determination of the percent loss on ignition of fiber glass mats. This ignition loss can be considered to be the binder content.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 920.000-B-201x, Telecommunications - Communications Products - Overview of Transmission Requirements for Digital Interface Communications Devices (new standard)

This standard provides an overview of the structure of the ANSI/TIA 920 series of standards that establish audio transmission performance requirements for digital telephones regardless of protocol or digital format. Transmission may be over any digital interface including Local or Wide Area Networks, Universal Serial Bus (USB), Firewire/IEEE Std 1394, public ISDN, or digital over twisted pair wire. This includes TDM-based and packet-based (e.g., VoIP) telephones. These telephones may be connected through modems, voice gateways, wireless access points, or PBXs, or they may be personal computer-based telephones. This revision will add updated requirements for narrowband (300 to 3400 Hz) telephones, previously found in ANSI/TIA 810-B, to the existing wideband (150 to 6800 Hz) requirements in the TIA 920-A series and upgrade the series to ANSI status. The term "wideband" will be dropped from the document title since the revised standard will cover both wideband and narrowband telephones.

Single copy price: \$64.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA); standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 571-C-201x, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)

TIA 571-B is up for 5-year review. It has been determined that updating and revisions are required. Some items that need consideration are:

- Scope – Expansion of the scope to include communications equipment typically found at the premises in today's broadband environment;
- Vibration tests – It is now generally recognized that random vibration is more representative of real-world conditions and should replace the current sinusoidal vibration tests;
- Surge tests – Consideration should be given to TIA 1194, Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines, as well as a complete review of this section to make sure the standard reflects the latest technologies and installations, and adequately addresses the real surge environment for various types of equipment; and
- Different testing paths should be considered for different uses and installations of equipment. For example, consumer/enterprise, portable/installed equipment, etc.

Single copy price: \$103.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA); standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2127-201X, Standard for Safety for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2014a)

UL proposes several revisions to UL 2127.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.comm-2000.com>

Order from: comm2000

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

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

BSR/UL 2166-201X, Standard for Safety for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2014b)

UL proposes several revisions to UL 2166.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.comm-2000.com>

Order from: comm2000

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

Comment Deadline: May 19, 2015**ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME B89.3.4-2010 (R201x), Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B89.3.4-2010)

This Standard is primarily intended for, but not limited to, the standardization of methods for specifying and testing axes of rotation of spindles used in machine tools and measuring machines.

Single copy price: \$34.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>

Send comments (with copy to psa@ansi.org) to: Remington Richmond, (212) 591-8404, richmondr@asme.org

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

BSR/ASME EA-2-2009 (R201x), Energy Assessment for Pumping Systems (reaffirmation of ANSI/ASME EA-2-2009)

This Standard covers pumping systems, which are defined as one or more pumps and those interacting or interrelating elements that together accomplish the desired work of moving a fluid. A pumping system thus generally includes pump(s), driver, drives, distribution piping, valves, sealing systems, controls, instrumentation, and end-use equipment such as heat exchangers, for example. This standard addresses open and closed loop pumping systems typically used in industry, and is also applicable to other applications. This Standard sets the requirements for conducting and reporting the results of a pumping system assessment (hereafter referenced as an "assessment") that considers the entire pumping system, from energy inputs to the work performed as the result of these inputs. An assessment complying with this standard need not address each individual system component or subsystem within an industrial facility with equal weight; however, it must be sufficiently comprehensive to identify the major efficiency improvement opportunities for improving the overall energy performance of the system. This standard is designed to be applied primarily at industrial facilities, but many of the concepts can be used in other facilities such as those in the institutional, commercial, and water and wastewater facilities.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>

Send comments (with copy to psa@ansi.org) to: Ryan Crane, (212) 591-7004, craner@asme.org

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

BSR/ASME EA-4-2010 (R201x), Energy Assessment for Compressed Air Systems (reaffirmation of ANSI/ASME EA-4-2010)

This Standard covers compressed air systems, which are defined as a group of subsystems comprised of integrated sets of components including air compressors, treatment equipment, controls, piping, pneumatic tools, pneumatically powered machinery, and process applications utilizing compressed air. The objective is consistent, reliable, and efficient delivery of energy to manufacturing equipment and processes. This Standard sets requirements for conducting and reporting the results of a compressed air system assessment (hereafter referenced as an "assessment") that considers the entire system, from energy inputs to the work performed as the result of these inputs. An assessment complying with this Standard need not address each individual system component or subsystem within an industrial facility with equal weight; however, it must be sufficiently comprehensive to identify the major energy efficiency opportunities for improving the overall energy performance of the system. This Standard is designed to be applied primarily at industrial facilities, but many of the concepts can be used in other facilities such as those in the institutional and commercial sectors.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>

Send comments (with copy to psa@ansi.org) to: Ryan Crane, (212) 591-7004, craner@asme.org

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

BSR/ASME B30.6-201x, Derricks (revision of ANSI/ASME B30.6-2010)

B30.6 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of guy, stiffleg, basket, breast, gin pole, Chicago boom, shearleg, and A-frame derricks. These derricks, powered by winches through systems of wire rope reeving, are used for lifting, lowering, and horizontal movement of freely suspended unguided loads.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

EMAP (Emergency Management Accreditation Program)**Revision**

BSR/EMAP EMS2016-2016, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2013-2013)

The Standard will outline programmatic areas with standards underneath that provide necessary components of a comprehensive emergency management and homeland security program. The Standards will include all phases of emergency management to include prevention, preparedness, mitigation, response, and recovery activities.

Single copy price: Free

Obtain an electronic copy from: www.emap.org

Order from: Nicole Ishmael, (859) 244-8242, nishmael@csg.org

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

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

BSR/UL 347A-201x, Standard for Safety for Medium Voltage Power Conversion Equipment (new standard)

These requirements cover enclosed medium-voltage power-conversion equipment, such as variable frequency controllers, that control and transfer power to motors. These requirements also cover power-supply modules, input/output modules, and electronic assemblies, for use in or with power conversion equipment. These requirements cover equipment rated above 1500 volts to 38kV.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

Technical Reports Registered with ANSI

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

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI.

Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

ARMA (ARMA International)

ARMA International TR 27-2015, Retention Management for Records and Information (TECHNICAL REPORT) (technical report)

This publication covers elements involved in the structuring of a records and information management (RIM) program's retention and disposition component including: authority and responsibility; identifying and classifying records for retention purposes; and methods for determining retention periods for all records. These elements apply to records on all media and in all formats as an organization applies those elements in accordance with the legal/regulatory requirements of the business context within which it operates. This publication's content is not industry or sector-specific.

Single copy price: \$TBD

Order from: ARMA International, www.arma.org/go/prod/V4969

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

HL7 (Health Level Seven)

HL7 EHRS PHFP, R2-2015, HL7 EHR-System Public Health Functional Profile, Release 2 (TECHNICAL REPORT) (technical report)

The HL7 EHR-S Public Health Functional Profile (PHFP) specifies the functional requirements and conformance criteria needed for public health-clinical information collection, management, and exchanges that include specific public health programs (domains). This version of the Public Health Functional Profile incorporates the most recent updates from the HL7 EHR-S FM R2 standard

Single copy price: \$Licensed free of charge to members for initial 90 days following publication. Licensed free of charge to non-members after the initial 90-day period.

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

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

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.

APSP (Association of Pool & Spa Professionals)

Office: 2111 Eisenhower Ave.
Suite 500
Alexandria, VA 22314

Contact: Susan Hilaski

Phone: (703) 838-0083 X150

Fax: (703) 549-0493

E-mail: shilaski@apsp.org

BSR/APSP/ICC 2-201x, Standard for Public Spas and Swim Spas (new standard)

BSR/APSP/ICC 9-2015, Standard for Aquatic Recreation Facilities (new standard)

BSR/APSP/ICC 16-201x, Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs (revision and redesignation of ANSI/APSP 16-2011)

EMAP (Emergency Management Accreditation Program)

Office: 2760 Research Park Drive
Lexington, KY 40578

Contact: Nicole Ishmael

Phone: (859) 244-8242

Fax: (859) 244-8239

E-mail: nishmael@csg.org

BSR/EMAP EMS2016-2016, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2013-2013)

Obtain an electronic copy from: www.emap.org

HI (Hydraulic Institute)

Office: 6 Campus Drive, 1st Floor North
Parsippany, NJ 07054

Contact: Matthew Zolnick

Phone: (973) 267-9700 x116

Fax: (973) 267-9055

E-mail: mzolnick@pumps.org

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical, and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2012)

BSR/HI 14.6-201x, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2011)

ISEA (International Safety Equipment Association)

Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

Contact: Cristine Fargo

Phone: (703) 525-1695

Fax: (703) 525-1698

E-mail: cfargo@safetyequipment.org

BSR/ISEA Z308.1-201x, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2014)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: Deborah Spittle

Phone: (202) 626-5746

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 14882:2014, Information technology - Programming languages - C++ (identical national adoption of ISO/IEC 14882:2014 and revision of INCITS/ISO/IEC 14882:2011 [2012])

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: Marianna Kramarikova

Phone: (703) 907-7743

E-mail: standards@tiaonline.org

BSR/TIA 102.CCAA-A-1-201x, Phase 2 Two-Slot Time Division Multiple Access, Transceiver Measurement Methods (addenda to ANSI/TIA 102.CCAA-A-2014)

BSR/TIA 571-C-201x, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 920.000-B-201x, Telecommunications - Communications Products - Overview of Transmission Requirements for Digital Interface Communications Devices (new standard)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 5032-201x, Loading Criteria, Analysis, and Design Related to the Installation, Alteration and Maintenance of Communication Structures (new standard)

BSR/TIA 5033/ IEC 61280-1-1 ed. 2-201x, Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable - Adoption of IEC 61280-1-1 ed. 2 - Part 1-1: Test Procedures for General Communication Subsystems - Transmitter Output Optical Power Measurement for Single-Mode Optical Fibre Cable (identical national adoption of IEC 61280-1-1 ed. 2)

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.

API (American Petroleum Institute)

New Standard

ANSI/API Standard 661-2015, Petroleum, Petrochemical, and Natural Gas Industries - Air-cooled Heat Exchangers (new standard): 3/13/2015

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME A112.1.3-2000 (R2015), Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances (reaffirmation of ANSI/ASME A112.1.3-2000 (R2010)): 3/13/2015

ANSI/ASME A112.4.3-1999 (R2015), Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System (reaffirmation of ANSI/ASME A112.4.3-1999 (R2010)): 3/13/2015

ANSI/ASME A112.6.7-2010 (R2015), Sanitary Floor Sinks (reaffirmation of ANSI/ASME A112.6.7-2010): 3/13/2015

ANSI/ASME A112.6.9-2005 (R2015), Siphonic Roof Drains (reaffirmation of ANSI/ASME A112.6.9-2005 (R2010)): 3/13/2015

ANSI/ASME A112.14.6-2010 (R2015), FOG (Fats, Oils & Greases) Disposal Systems (reaffirmation of ANSI/ASME A112.14.6-2010): 3/13/2015

Revision

ANSI/ASME B30.8-2015, Floating Cranes and Floating Derricks (revision of ANSI/ASME B30.8-2010): 3/18/2015

ASTM (ASTM International)

New Standard

ANSI/ASTM D7959-2015, Test Method for Chloride Content Determination (new standard): 3/15/2015

ANSI/ASTM F3100-2015, Practice for Low Impact Paintball Field Operation (new standard): 3/15/2015

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI/ATIS 0500019-2010 (R2015), Request for Assistance Interface (RFAI) Specification (reaffirmation of ANSI/ATIS 0500019-2010): 3/13/2015

Revision

ANSI/ATIS 0300094-2015, Trouble Type Codes in Support of ATIS Trouble Administration Standards (revision of ANSI ATIS 0300094-2014): 3/13/2015

Stabilized Maintenance

ANSI/ATIS 0600107-2002 (S2015), Digital Hierarchy - Formats Specifications (stabilized maintenance of ANSI/ATIS 0600107-2002 (R2011)): 3/17/2015

ANSI/ATIS 0600403-1999 (S2015), Network and Customer Installation Interfaces - DS1 Electrical Interfaces (stabilized maintenance of ANSI ATIS 0600403-1999 (R2012)): 3/17/2015

ANSI/ATIS 0600404-2002 (S2015), Network and Customer Installation Interfaces - DS3 and Metallic Interface Specification (stabilized maintenance of ANSI/ATIS 0600404-2002 (R2011)): 3/17/2015

ECIA (Electronic Components Industry Association)

New Standard

ANSI/EIA 974-2015, Specification for Mini Multilane 10 Gb/s 4X Common Elements Connectors (new standard): 3/18/2015

ANSI/EIA 975-2015, Specification for Mini Multilane 10 Gb/s 4X Unshielded Receptacle Shell and Plug (new standard): 3/18/2015

ANSI/EIA 976-2015, Specification for Mini Multilane 10 Gb/s 4X Shielded Receptacle Shell and Plug (new standard): 3/18/2015

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

New Standard

* ANSI/ASSE 1044-2015, Performance Requirements for Trap Seal Primer - Drainage Types and Electric Design Types (new standard): 3/18/2015

NPES (ASC CGATS) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Reaffirmation

ANSI CGATS/ISO 12640-1-2007 (R2015), Graphic technology - Prepress digital data exchange - Part 1: CMYK standard colour image data (CMYK/SCID) (reaffirmation of ANSI CGATS/ISO 12640-1-2007): 3/18/2015

ANSI CGATS.17-2009 (R2015), Graphic technology - Exchange format for color and process control data using XML or ASCII text (reaffirmation of ANSI CGATS.17-2009): 3/18/2015

TIA (Telecommunications Industry Association)

New Standard

ANSI/TIA 4994-2015, Standard for Sustainable Information Communications Technology (new standard): 3/18/2015

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 13-2015, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2011): 3/18/2015

ANSI/UL 13-2015a, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2011): 3/18/2015

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. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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

ACCA (Air Conditioning Contractors of America)

Office: 2800 Shirlington Road
Suite 300
Arlington, VA 22206

Contact: Dick Shaw

Fax: (703) 575-9147

E-mail: shawddd@aol.com; dick.shaw@acca.org

BSR/ACCA 16 Manual E-201x, HVACR System Design for Energy-Efficient Homes (new standard)

Stakeholders: HVACR contractors and residential HVAC system designers; OEM's; trade schools/instructors/students; home designers, builders, and energy efficiency advocates.

Project Need: There is little guidance for HVAC design and selection of limited lower-capacity equipment as higher-energy-efficient homes become more widely encountered as a result of numerous national initiatives including code, EPA EnergyStar and DOE Net-Zero Ready programs. This standard will provide guidance for designing/selecting HVAC systems for these energy-efficient homes that will achieve satisfactory indoor conditions with markedly reduced loads and lower HVAC equipment capacity.

This standard will provide guidance in applying solutions for HVAC residences that are characterized by low heating and cooling loads. Additionally, the procedures will apply as lower-capacity equipment appears in the marketplace. Defining energy-efficient home characteristics, resolving ventilation and moisture requirements/issues with low air volume systems while providing occupant comfort, health and safety issues will be addressed.

API (American Petroleum Institute)

Office: 1220 L Street NW
Washington, DC 20005

Contact: Katie Burkle

E-mail: burklek@api.org

BSR/API Specification 19AC/ISO 14998, 1st Edition-201x, Completion Accessories (national adoption with modifications of ISO 14998:2013)

Stakeholders: Petroleum and Natural Gas industry.

Project Need: Provide requirements to manufacturers and purchasers for the selection, manufacture, testing, and use of completion accessories.

This International Standard provides requirements and guidelines for completion accessories, as defined in this standard for use in the petroleum and natural gas industry. This International Standard provides requirements for the functional specification and technical specifications including: design, design verification and validation, materials, documentation and data control, quality requirements, redress, repair, shipment, and storage. This International Standard covers the pressure-containing, non-pressure-containing, load-bearing, disconnect/reconnect, tubing-movement, and opening port functionalities of completion accessories.

APSP (Association of Pool & Spa Professionals)

Office: 2111 Eisenhower Ave.
Suite 500
Alexandria, VA 22314

Contact: Susan Hilaski

Fax: (703) 549-0493

E-mail: shilaski@apsp.org

* BSR/APSP/ICC 2-201x, Standard for Public Spas and Swim Spas (new standard)

Stakeholders: Manufacturers, builders, designers, U.S. public health and code officials, local municipalities, spa operators, and service companies.

Project Need: To create a new standard addressing public spas, swim spas, and exercise spas.

To provide recommended minimum guidelines for the design, installation, construction, and repair of public spas, swim spas, and exercise spas.

* BSR/APSP/ICC 9-2015, Standard for Aquatic Recreation Facilities (new standard)

Stakeholders: Manufacturers, builders, designers, U.S. public health and code officials, local municipalities, aquatic recreation operators, and service companies.

Project Need: To create a standard for wave action pools, activity pools, catch pools, leisure rivers, vortex pools, and interactive play attractions commonly found in water park venues.

To provide specifications for the design, equipment, operation, signs, installation, sanitation, new construction and rehabilitation of public pools for aquatic play commonly found in water park venues.

* BSR/APSP/ICC 16-201x, Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs (revision and redesignation of ANSI/APSP 16-2011)

Stakeholders: Manufacturers, builders, designers, retailers, U.S. public health and code officials, local municipalities, pool and spa operators, and service companies.

Project Need: To update existing standard in accordance with latest testing, technology, and research on suction entrapment avoidance.

Establishes materials, testing, and marking requirements for suction fittings that are designed to be totally submerged for use in swimming pools, wading pools, spas, hot tubs, as well as other aquatic facilities.

AWS (American Welding Society)

Office: 8669 NW 36th ST # 130
Miami, FL 33166

Contact: Rakesh Gupta

Fax: (305) 443-5951

E-mail: gupta@aws.org

BSR/AWS A4.4M:2001 (R201X), Standard Procedures for Determination of Moisture Fluxes and Welding Electrode Flux Coverings (reaffirmation of ANSI/AWS A4.4M-2001 (R2006))

Stakeholders: Welding industry.

Project Need: Review this standard and make sure it is good to stay as a national standard.

This standard describes methods for sample preparation and analysis for determination of total moisture content and other sources of hydrogen measured as water from welding fluxes and electrode coverings. The methods of analysis are suitable for shielded metal arc electrode coverings and submerged arc fluxes.

BSR/AWS A5.02/A5.02M-201X, Specification for Filler Metal Standard Sizes, Packaging, and Physical Attributes (revision of ANSI/AWS A5.02/A5.02M-2006)

Stakeholders: Welding industry.

Project Need: Adding more sizes of filler metals.

This specification prescribes requirements for standard sizes and packages of welding filler metals and their physical attributes, such as product appearance and identification.

BSR/AWS A5.11/A5.11M-201X, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2010)

Stakeholders: Welding industry.

Project Need: Addition of new filler metal classification.

This specification prescribes requirements for the classification of nickel and nickel-alloy covered electrodes for shielded metal arc welding. It includes those compositions in which the nickel content generally exceeds that of any other element

BSR/AWS A4.3M:201X (ISO 3690:2012 MOD), Welding and Allied Processes - Determination of Hydrogen Content in Arc Weld Metal (national adoption of ISO 3690:2012 with modifications and revision of ANSI/AWS A4.3-93 (R2006))

Stakeholders: Welding industry.

Project Need: Welding industry needs it.

This standard specifies the sampling and analytical procedure for the determination of diffusible hydrogen in martensitic, bainitic, and ferritic steel weld metal arising from the welding of such steels using arc-welding processes with filler metal.

BSR/AWS A5.9/A5.9M-201X (ISO 14343-2009 MOD), Welding Consumables - Wire Electrodes, Strip Electrodes, Wires, and Rods for Arc Welding of Stainless and Heat Resisting Steels - Classification (national adoption with modifications of ISO 14343:2009)

Stakeholders: Global welding industry.

Project Need: Global welding industry will benefit from this standard.

This specification prescribes requirements for the classification of bare stainless steel wire electrodes (including stranded wire in which all wires in the strand are from one heat), strip electrodes, wires, and rods for gas metal arc welding, gas tungsten arc welding, plasma arc welding, submerged arc welding, electrosag welding, and laser beam welding of stainless and heat-resisting steels.

HI (Hydraulic Institute)

Office: 6 Campus Drive, 1st Floor North
Parsippany, NJ 07054

Contact: Matthew Zolnick

Fax: (973) 267-9055

E-mail: mzolnick@pumps.org

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical, and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2012)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: Update the existing ANSI/HI 11.6 standard.

The HI 11.6 Committee will update this standard on hydraulic performance, hydrostatic pressure, mechanical, and electrical acceptance tests for rotodynamic submersible pumps. This standard is limited to the testing of submersible pumps with clean water.

BSR/HI 14.6-201x, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2011)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: Update the existing ANSI/HI 14.6 standard.

The HI 14.6 Committee will update this standard on hydraulic performance acceptance tests for rotodynamic pumps. This standard is intended to be used for pump acceptance testing at pump test facilities, such as manufacturers' pump test facilities or laboratories only.

HL7 (Health Level Seven)

Office: 3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104

Contact: Karen Van Hentenryck

Fax: (734) 677-6622

E-mail: Karenvan@HL7.org

BSR/HL7 CDAR2 PHMRPTS, R1-200x, HL7 Implementation Guide for CDA Release 2 - Level 3: Personal Healthcare Monitoring Reports, Release 1 (new standard)

Stakeholders: Continua Health Alliance adopts this specification to enable creation and transfer of health monitoring reports that aggregate measurements from remote health monitoring systems. Additional stakeholders include EMR and other health system vendors that may want to include personal monitoring health data in their systems.

Project Need: There is an industry need for documents that carry personal healthcare monitoring information.

The Personal Healthcare Monitoring Report (PHMR) is a document that carries personal healthcare monitoring information. The information is transmitted as notes and as raw data. Notes may be supplied by a disease management service provider. The information may have multiple characteristics, including representation of measurements captured by devices, representation of notes, summaries, and other kinds of narrative information that may be added by caregivers or by the users themselves, and representation of graphs that may be added by intermediary devices that represent trends of users' health.

BSR/HL7 ERHSFM2 RXFP, R1-201x, HL7 EHR-System Functional Model R2 Pharmacist Functional Profile, Release 1 (new standard)

Stakeholders: Standards Development Organizations (SDOs)

Project Need: This Pharmacist EHR-S Functional Profile (which are based on the HL7 EHR-S Functional Model R2 standard) by pharmacy practice settings will facilitate EHR systems capturing clinical medication-related data at the point-of-contact or point-of-care and enable pharmacists to collect and exchange clinical information in an interoperable way with other EHR and Personal Health Record/mobile application/portal systems.

This standard is based on the HL7 EHR-S Functional Model R2 standard and will facilitate EHR systems capturing clinical medication-related data at the point-of-contact or point-of-care enabling pharmacists to collect and exchange clinical information in an interoperable way with other EHR and Personal Health Record/mobile application/portal systems. The different practice settings (including, but not limited to) community, hospital and long-term care or other pertinent settings each have different utilization of the functionalities of the EHR system. The settings utilize different work flows and actors.

ISEA (International Safety Equipment Association)

Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

Contact: Cristine Fargo

Fax: (703) 525-1698

E-mail: cfargo@safetysafetyequipment.org

BSR/ISEA Z308.1-201x, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2014)

Stakeholders: Product suppliers, distributors, end-users and regulatory or other authorities having jurisdiction.

Project Need: Limited revision seeks to correct a technical error contained in current version.

This standard establishes minimum performance requirements for first-aid kits and their supplies that are intended for use in various work environments. Classification of first-aid kits, designating the assortment of items and quantity of each item, is based on the anticipated number of users intended to be served by each first-aid kit, as well as the complexity of the work environment and level of hazards. First-aid kit containers are classified by portability, ability to be mounted, resistance to water and corrosion, and impact resistance.

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: Deborah Spittle

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 14882:2014, Information technology - Programming languages - C++ (identical national adoption of ISO/IEC 14882:2014 and revision of INCITS/ISO/IEC 14882:2011 [2012])

Stakeholders: ICT industry

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

ISO/IEC 14882:2014 specifies requirements for implementations of the C++ programming language. The first such requirement is that they implement the language, and so this International Standard also defines C++. Other requirements and relaxations of the first requirement appear at various places within this International Standard.

NEMA (ASC C37) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

Contact: Gary MacFadden

Fax: (703) 841-3353

E-mail: Gary.MacFadden@Nema.org

BSR NEMA C37.51-201x, Metal-Enclosed Low-Voltage AC Power Circuit Breaker Switchgear Assemblies - Conformance Test Procedures (revision and redesignation of ANSI C37.51-2003 (R2010))

Stakeholders: Manufacturers, users, contractors, builders.

Project Need: Update the existing standard for current industry practices.

This Standard is a conformance testing standard optionally applicable to all metal-enclosed low-voltage ac power circuit breaker switchgear assemblies designed, tested, and manufactured in accordance with ANSI/IEEE C37.20.1, Metal-Enclosed Low-Voltage AC Power Circuit Breaker Switchgear. This standard covers selected tests to demonstrate conformance of the basic switchgear section (which includes the structure, circuit breaker compartments, instrument compartments, buses, and internal connections) with the "Tests" clause of ANSI/IEEE C37.20.1.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341-1318

Contact: Rebecca Yaletchko

Fax: (610) 363-5898

E-mail: ryaletchko@scte.org

BSR/SCTE DVS 1202-201x, MPEG DASH for IP-Based Cable Services Part 1: MPD Constraints and Extensions (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This standard is part of a suite documenting usage of MPEG DASH in IP-based cable networks.

BSR/SCTE DVS 1203-201x, MPEG DASH for IP-Based Cable Services Part 2: DASH/TS Profile (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This standard is part of a suite documenting use of MPEG DASH in cable networks. This part of the standard defines DASH/TS - a profile of MPEG DASH which uses MPEG-2 TS segments. In addition, this profile integrates elements of SCTE specifications on which define media formats and digital program insertion. This profile is based on of the philosophy of the DASH MPEG-2 TS Simple Profile and is similar in its approach to the Common ISO-BMFF Profile.

BSR/SCTE DVS 1206-201x, Reference Architecture for Cable ABR Services (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This standard is part of a suite documents that define the usage of MPEG DASH in cable networks. It describes reference architecture of content processing components, flows of process, use cases, and scope definition of other parts of the suite documents.

BSR/SCTE DVS 1208-201x, MPEG DASH for IP-Based Cable Services Part 3: DASH ISO BMFF Profile (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This standard is part of a suite documenting use of MPEG DASH ISO BMFF Profiles in cable networks.

TIA (Telecommunications Industry Association)

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Arlington, VA 22201

Contact: Germaine Palangdao

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 5033/ IEC 61280-1-1 ed. 2-201x, Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable - Adoption of IEC 61280-1-1 ed. 2 - Part 1-1: Test Procedures for General Communication Subsystems - Transmitter Output Optical Power Measurement for Single-Mode Optical Fibre Cable (identical national adoption of IEC 61280-1-1 ed. 2)

Stakeholders: Equipment providers of transmission gear; component providers of single-mode optical transceivers, fiber and cabling; structured cabling standards bodies such as TIA TR-42; test equipment providers; installers and users of single-mode cabling.

Project Need: Adopt Identical ISO or IEC Standard.

This part of IEC 61280 applies to fibre optic general communication subsystems. The object of this part is to measure the optical power coupled from the output of a transmitter under test into single-mode optical fibre cable containing dispersion-unshifted fibre or dispersion-shifted fibre.

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
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Arlington, VA 22201

Contact: Marianna Kramarikova

E-mail: standards@tiaonline.org

BSR/TIA 102.CCAA-A-1-201x, Phase 2 Two-Slot Time Division Multiple Access, Transceiver Measurement Methods (addenda to ANSI/TIA 102.CCAA-A-2014)

Stakeholders: Project 25 Steering Committee. Project 25 and/or TIA -102 Series equipment manufacturers and end users.

Project Need: Provide updates for an existing standard.

The scope is to create an Addendum to make corrections to section 2.2.17, H-CPM Transmitter Logic Channel Power Envelope. Justification for the project is that several equations in the section are in error. When used, the equations erroneously give the wrong numeric sign to the results. This addendum is to correct the equations.

BSR/TIA 5032-201x, Loading Criteria, Analysis, and Design Related to the Installation, Alteration and Maintenance of Communication Structures (new standard)

Stakeholders: NATE, ASSE, ASCE.

Project Need: Create new standard.

The scope of this Standard is intended to provide engineering criteria to evaluate a communication structure subjected to construction loads and to provide the design criteria for gin poles and the generation of their load charts. The means and methods for construction are not within the scope of this Standard.

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)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- 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.

<p>ACCA Air Conditioning Contractors of America 2800 Shirlington Road Suite 300 Arlington, VA 22206 Phone: (202) 251-3835 Fax: (703) 575-9147 Web: www.acca.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (678) 539-1214 Fax: (678) 539-2214 Web: www.ashrae.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-3178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>
<p>ASIS American Iron and Steel Institute 25 Massachusetts Avenue, NW Suite 800 Washington, DC 20001 Phone: (202) 452-7100 Fax: (202) 452-1039 Web: www.steel.org</p>	<p>ASIS ASIS International 1625 Prince Street Alexandria, VA 22314-2818 Phone: (703) 518-1439 Fax: (703) 518-1517 Web: www.asisonline.org</p>	<p>CSA CSA Group 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p>
<p>API American Petroleum Institute 1220 L Street NW Washington, DC 20005 Phone: (202) 682-8507 Web: www.api.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>ECIA Electronic Components Industry Association 2214 Rock Hill Road Suite 265 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.ecianow.org</p>	<p>ISEA International Safety Equipment Association 1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Fax: (703) 525-1698 Web: www.safetysystem.com</p>
<p>APSP Association of Pool & Spa Professionals 2111 Eisenhower Ave. Suite 500 Alexandria, VA 22314 Phone: (703) 838-0083 X150 Fax: (703) 549-0493 Web: www.apsp.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>EMAP Emergency Management Accreditation Program 2760 Research Park Drive Lexington, KY 40578 Phone: (859) 244-8242 Fax: (859) 244-8239 Web: www.emaponline.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5746 Fax: (202) 638-4922 Web: www.incits.org</p>
<p>ARMA ARMA International 11880 College Boulevard Suite 450 Overland Park, KS 66210 Phone: (913) 312-5565 Fax: (913) 341-3742 Web: www.arma.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: www.atis.org</p>	<p>EOS/ESD ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>NASBLA National Association of State Boating Law Administrators 1648 McGrathiana Parkway Suite 360 Lexington, KY 40511 Phone: (859) 225-9487 Web: www.nasbla.org</p>
<p>ASA (ASC S12) Acoustical Society of America 1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWS American Welding Society 8669 NW 36th ST # 130 Miami, FL 33166 Phone: (305) 443-9353, x 301 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>HI Hydraulic Institute 6 Campus Drive, 1st Floor North Parsippany, NJ 07054 Phone: (973) 267-9700 x116 Fax: (973) 267-9055 Web: www.pumps.org</p>	<p>NEMA (ASC C37) National Electrical Manufacturers Association 1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3253 Fax: (703) 841-3353 Web: www.nema.org</p>

NPES (ASC CGATS)

NPES

1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7229
Fax: (703) 620-0994
Web: www.npes.org

NSF

NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
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Web: www.nsf.org

SCTE

Society of Cable Telecommunications
Engineers

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TAPPI

Technical Association of the Pulp and
Paper Industry

15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA

Telecommunications Industry
Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7743
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.

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



ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO 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). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ACOUSTICS (TC 43)

ISO/DIS 7029, Acoustics - Statistical distribution of hearing thresholds related to age and gender - 6/14/2015

ROAD VEHICLES (TC 22)

ISO/DIS 12619-4, Road vehicles - Compressed gaseous Hydrogen (CGH₂) and Hydrogen/Natural gas blends fuel system components - Part 4: Check Valve - 6/9/2015, \$33.00

ISO/DIS 12619-5, Road vehicles - Compressed gaseous Hydrogen (CGH₂) and Hydrogen/Natural gas blends fuel system components - Part 5: Manual cylinder valve - 6/9/2015, \$33.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 247, Rubber - Determination of ash - 6/21/2015, \$46.00

ISO/DIS 289-2, Rubber, unvulcanized - Determinations using a shearing-disc viscometer - Part 2: Determination of pre-vulcanization characteristics - 6/21/2015, \$46.00

ISO/DIS 18898, Rubber - Calibration and verification of hardness testers - 6/21/2015, \$82.00

ISO/DIS 19246, Rubber compounding ingredients - Silica - Oil absorption of precipitated silica - 6/21/2015

ISO/DIS 21561-2, Styrene-butadiene rubber (SBR) - Determination of the microstructure of solution-polymerized SBR - Part 2: FTIR with ATR method - 6/21/2015

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 25358, Crop protection equipment - Droplet-size spectra from atomizers - Measurement and classification - 6/21/2015

ISO/DIS 3767-1, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 1: Common symbols - 6/12/2015, \$165.00

ISO/DIS 24631-1, Radiofrequency identification of animals - Part 1: Evaluation of conformance of RFID transponders with ISO 11784 and ISO 11785 (including granting and use of a manufacturer code) - 6/12/2015, \$67.00

ISO/DIS 24631-2, Radiofrequency identification of animals - Part 2: Evaluation of conformance of RFID transceivers with ISO 11784 and ISO 11785 - 6/12/2015, \$62.00

ISO/DIS 24631-3, Radiofrequency identification of animals - Part 3: Evaluation of performance of RFID transponders conforming with ISO 11784 and ISO 11785 - 6/12/2015, \$93.00

ISO/DIS 24631-4, Radiofrequency identification of animals - Part 4: Evaluation of performance of RFID transceivers conforming with ISO 11784 and ISO 11785 - 6/12/2015, \$67.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 3677, Filler metal for soft soldering, brazing and braze welding - Designation - 6/15/2015, \$33.00



Newly Published ISO Standards

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 29842/Amd1:2015, Sensory analysis - Methodology - Balanced incomplete block designs - Amendment 1, \$22.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 5356-1:2015, Anaesthetic and respiratory equipment - Conical connectors - Part 1: Cones and sockets, \$123.00

BUILDING CONSTRUCTION (TC 59)

ISO 16757-1:2015, Data structures for electronic product catalogues for building services - Part 1: Concepts, architecture and model, \$173.00

NUCLEAR ENERGY (TC 85)

ISO 12799:2015, Nuclear energy - Determination of nitrogen content in UO₂, (U,Gd)O₂ and (U,Pu)O₂ sintered pellets - Inert gas extraction and conductivity detection method, \$51.00

OTHER

ISO 14373:2015, Resistance welding - Procedure for spot welding of uncoated and coated low carbon steels, \$123.00

PLASTICS (TC 61)

ISO 899-1/Amd1:2015, Plastics - Determination of creep behaviour - Part 1: Tensile creep - Amendment 1, \$22.00

ISO 899-2/Amd1:2015, Plastics - Determination of creep behaviour - Part 2: Flexural creep by three-point loading - Amendment 1, \$22.00

ISO 16012:2015, Plastics - Determination of linear dimensions of test specimens, \$88.00

SMALL TOOLS (TC 29)

ISO 2725-1:2015, Assembly tools for screws and nuts - Square drive sockets - Part 1: Hand-operated sockets, \$88.00

ISO 2725-2:2015, Assembly tools for screws and nuts - Square drive sockets - Part 2: Machine-operated sockets (impact), \$88.00

ISO 2725-3:2015, Assembly tools for screws and nuts - Square drive sockets - Part 3: Machine-operated sockets (non-impact), \$51.00

TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

ISO 23771:2015, Textile machinery - Guide to the design of textile machinery for reduction of the noise emissions, \$173.00

TEXTILES (TC 38)

ISO 18103:2015, Superfine woven wool fabric labelling - Requirements for Super S code definition, \$88.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 16122-1:2015, Agricultural and forestry machinery - Inspection of sprayers in use - Part 1: General, \$88.00

ISO 16122-2:2015, Agricultural and forestry machinery - Inspection of sprayers in use - Part 2: Horizontal boom sprayers, \$123.00

ISO 16122-3:2015, Agricultural and forestry machinery - Inspection of sprayers in use - Part 3: Sprayers for bush and tree crops, \$123.00

ISO 16122-4:2015, Agricultural and forestry machines - Inspection of sprayers in use - Part 4: Fixed and semi-mobile sprayers, \$149.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations issued 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 report proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat disseminates the information to all WTO Members. The purpose of this requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

(NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: <http://www.nist.gov/notifyus/> and click on "Subscribe".

NCSCI is the WTO TBT Inquiry Point for the U.S. and receives all notifications and full texts of regulations to disseminate to U.S. Industry. For further information, please contact: NCSCI, NIST, 100 Bureau Drive, Gaithersburg, MD 20899-2160; Telephone: (301) 975-4040; Fax: (301) 926-1559; E-mail: ncsci@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

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 its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

The INCITS Executive Board has eleven membership categories that can be viewed at <http://www.incits.org/participation/membership-info>. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**

This category includes entities that primarily rely on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**

- o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**

This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

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, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

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

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

Tentative Interim Amendment

IAPMO Uniform Plumbing Code, Table A 2.1

Comment Deadline: April 8, 2015

The following Tentative Interim Amendment to the 2012 Uniform Plumbing Code (IAPMO) is available for public review:

TIA (Log No. 006-12) to Uniform Plumbing Code, revises Table A 2.1

Copies may be obtained from Enrique Gonzalez, Plumbing Code Development Administrator, The IAPMO Group, 4755 East Philadelphia Street, Ontario, CA 91761; PHONE: 909-230-5535, e-mail: enrique.gonzalez@iapmo.org.

ANSI Accredited Standards Developers

Approval of Accreditation as an ANSI ASD

Associated Builders & Contractors (ABC)

ANSI's Executive Standards Council has approved Associated Builders & Contractors (ABC), a new ANSI Organizational Member in 2014, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on ABC-sponsored American National Standards, effective March 18, 2015. For additional information, please contact: Ms. Betsy Strock, Director of Member Services, Associated Builders & Contractors, 440 First Street NW, Suite 200, Washington, DC 20001; phone: 202.595.9130; e-mail: strock@abc.org.

Approval of Reaccreditation

International Association of Continuing Education & Training (IACET)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the International Association of Continuing Education & Training (IACET), an ANSI organizational member, has been approved under its recently revised operating procedures for documenting consensus on IACET-sponsored American National Standards, effective March 17, 2015. For additional information, please contact: Mr. Reg Bonfoco, CRS, CES, ICSD Chair, Learning & Development, Operations, Learning Practice & Reporting, TD Bank Group, 207 Queens Quay West, 5th Floor, Toronto, ON, Canada M5J 1A7; phone: (416) 308-1860; e-mail: Reg.Bonfoco@td.com.

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Initial Accreditation

Ecocert SA

Comment Deadline: April 20, 2015

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Xavier Hatchondo
Ecocert SA
BP 47, Lieu dit Lamothe
L'Isle Jourdain 32600
France
Phone: +33 (0) 5 62 07 66 75

On March 16, 2015, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve Initial Accreditation for Ecocert SA for the following:

Validation and Verification of assertions related to GHG emission reductions & removals at the project level

Group 3 – Land Use and Forestry

Please send your comments by April 20, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.

Scope Extensions

Conestoga-Rovers & Associates Limited

Comment Deadline: April 20, 2015

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Gordon Reusing
Conestoga-Rovers & Associates Limited
651 Colby Drive
Waterloo, ON N2V 1C2
Canada
Phone: 519-884-0510, ext 2333

On March 16, 2015, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve Scope Extension for Conestoga-Rovers & Associates Limited for the following:

Verification of assertions related to GHG emissions and removals at the organizational level

Group 10 – Agriculture, Forestry and Other Land Use (AFOLU)

Verification of assertions related to GHG emission reductions & removals at the project level

Group 3 – Land Use and Forestry

Please send your comments by April 20, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.

Cameron-Cole, LLC

Comment Deadline: April 20, 2015

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Chris Lawless
Cameron-Cole, LLC
50 Hegenberger Loop
Oakland, CA 94621
USA
Phone: 510-777-1858

On March 16, 2015, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve Scope Extension for Cameron-Cole, LLC for the following:

Verification of assertions related to GHG emissions and removals at the organizational level

Group 2 – Manufacturing

Group 5 – Mining and Mineral Production

Group 8 – Oil and gas extraction, production and refining including petrochemicals

Group 9 – Waste

Please send your comments by April 20, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.

International Organization for Standardization (ISO)

Call for US/TAG Participants

ISO/TC 291 – Domestic Gas Cooking Appliances

A new ISO Technical Committee, ISO/TC 291 - Domestic Gas Cooking Appliances, has been formed. The Secretariat has been allocated to DIN (Germany), and Underwriters Laboratories (UL) will serve as the US Technical Advisory Group (US/TAG) Administrator.

The scope of ISO/TC 291 is as follows:

Standardization in the field of Domestic Gas Cooking Appliances, considering a whole appliance: terminology, classification, constructional and performance characteristics, test methods and marking. Excluded from this scope are cookstoves covered by the standards being developed in ISO/TC 285.

ANSI is currently a participating member of TC 291, Domestic Gas Cooking, and is in the process of organizing the US Technical Advisory Group (US/TAG). Anyone interested in joining the US TAG is invited to contact Nicolette Allen, US/TAG Secretary at Nicolette.Allen@ul.com.

New Field of ISO Technology

Waste Management, Recycling and Road Operation Service

Comment Deadline: April 17, 2015

DIN (Germany) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Waste Management, Recycling and Road Operation Service, with the following scope statement:

Standardization of equipment for waste management, recycling, public cleaning and road operation. Taking into particular account technical and logistical aspects. Drafting of International Standards for products and procedures as well as safety requirements for the collection, transport, storage and transfer of solid and liquid waste.

Sludge recovery, treatment and disposal and also water re-use are not covered by the scope of this ISO/TC, but are handled e.g. in ISO/TC 275 and ISO/TC 282.

Exclusion: General environmental management (e.g., ISO 14000) and road traffic safety management systems aspects (e.g., ISO 39001), are to be handled by ISO/TC 207 and ISO/TC 241.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, April 17, 2015.

Information Concerning

International Electrotechnical Commission (IEC)

NEMA Seeking Members for New U.S. Technical Advisory Group to IEC TC 3 and Its SCs

The U.S. National Committee to the International Electrotechnical Commission (IEC) recently approved a U.S. participating membership in IEC TC 3, a technical committee dealing with human interpretation of information and the handling of information in a computer-processable form. To facilitate participation, a U.S. Technical Advisory Group (TAG) has been formed and NEMA has been appointed as the administrator of this TAG.

The TAG will act as the U.S. interface to IEC TC 3 and its two subcommittees, SC 3C and SC 3D. The TAG will be responsible for proposing new standardization work as well as formulating U.S. technical positions on standards drafts and votes on standards ballots and symbols validations.

NEMA is recruiting interested individuals or organizations to be members of the U.S. TAG to IEC TC 3. NEMA is encouraging those with expertise and interest in system integration, enterprise engineering, design automation, and technical symbols and documentation to consider joining the TAG. Those in engineering, enterprise engineering, and systems engineering should consider TC 3 TAG membership. Work areas in IEC TC3, SC 3C and SC 3D that will draw upon this expertise and interest will include:

- 1) Methods and rules associated with human interpretation of information.
- 2) Methods and rules associated with handling information in a computer sensible form.

For products in a global market, it is critical that graphical symbols used in documentation and on equipment be universally understandable and consistent to ensure misinterpretation does not lead to equipment malfunction or injury to users or the public.

For guidance or more information on joining the TC 3 TAG, contact NEMA Director, International Standards Ken Gettman at 703-841-3254 or ken_gettman@nema.org.

Information Concerning

U.S. National Committee of the IEC

SMB Agrees to Set Up SEG 6 – *Non-traditional Distribution Networks / Microgrids*

The final report from SMB ahG 53 revealed emerging business cases and market needs for the development of nontraditional distribution networks, (e.g., rural electrification, nano/building grids, and facility and/or campus grids) which will be addressed by the new SEG.

SEG 6 has been established with the following scope:

Assess aspects of non-traditional distribution networks for applications such as:

- Rural and developing markets that serve potential huge market needs (notably in Asia and Africa) including networks that may be connected in the future to a traditional / interconnected grid.
- Facility or campus grids capable of operating in an isolated mode with respect to a large interconnected grid.

The SEG is requested to closely collaborate with TC 8 and SyC Smart Energy and other microgrid activities in IEC and to provide the SMB with its recommendations on an approach to standardization in this area. The SEG will work in close collaboration with SEG 4 in the area of LVDC. Mr. Ryan Franks of NEMA will serve as USNC Representative and will act as Convenor of a Virtual-Technical Advisory Group (VTAG) for the USNC if there is enough interest.

If any individuals are interested in establishing a USNC VTAG for SMB SEG 6, they are invited to contact Ryan Franks at the e-mail provided below:

Ryan Franks
NEMA | Technical Program Manager
Email: ryan.franks@nema.org



**BSR/ASHRAE/ASHE Addendum c
to ANSI/ASHRAE/ASHE Standard 170-2013**

Public Review Draft

**Proposed Addendum c to
Standard 170-2013, Ventilation of
Health Care Facilities**

**Second Public Review (February 2015)
(Draft shows Proposed Changes to Current Standard)**

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

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

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BSR/ASHRAE/ASHE Addendum c to ANSI/ASHRAE/ASHE Standard 170-2008, *Ventilation of Health Care Facilities*

Second Public Review Draft

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

FOREWORD

This proposed addendum updates the terminology requirements of the Standard for Laboratory Work Areas to align with FGI-2014 (reference 2.1-4.1.2) and clarifies minimum requirements.

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

Addendum c to 170-2013

Revise Table 6.4 as follows. The remainder of Table 6.4 is unchanged.

TABLE 6.4 Minimum Filter Efficiencies

Space Designation (According to Function)	Filter Bank No. 1 (MERV) ^a	Filter Bank No. 2 (MERV) ^a
Laboratories Laboratory Work Areas; Procedure rooms (Class A surgery), and associated semirestricted spaces	13 ^b	NR

NR = not required

Notes:

- The minimum efficiency reporting value (MERV) is based on the method of testing described in ANSI/ASHRAE Standard 52.2, *Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size* ([ASHRAE 2012] in Informative Appendix B).
- Additional prefilters may be used to reduce maintenance for filters with efficiencies higher than MERV 7.

Revise Table 7.1 as follows. The remainder of Table 7.1 is unchanged.

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First Public Review Draft

Table 7-1 Notes:

- f. ~~This letter is not used in this table.~~ Higher ventilation rates above 6 total ach shall be used when dictated by the laboratory program requirements and the hazard level of the potential contaminants in each Laboratory Work Area. Lower total ach ventilation rates shall be permitted when a risk assessment per the ANSI/AIHA/ASSE Z9.5 Laboratory Ventilation Standard¹³ determines that either: (a) no hazardous contaminants will be present in the Laboratory Work Area, or (b) a demand control approach with active sensing of contaminants can be used as described in Chapter 16 of the ASHRAE HVAC Applications Handbook on Laboratories (see ASHRAE [2011b] in Informative Appendix B).
- v. ~~When required, appropriate hoods and exhaust devices for the removal of noxious gases or chemical vapors shall be provided in accordance with NFPA 99.⁸ Room temperatures that exceed the minimum indicated range shall be used if required by the laboratory program or laboratory equipment.~~
- z. Certain laboratory program requirements such as media transfer require positive pressure relationships for a Laboratory Work Area. In these cases the laboratory program requirement shall be modified to be a positive pressure relationship.

Add a new reference to Section 9 as follows. The remainder of Section 9 is unchanged.

9. NORMATIVE REFERENCES

¹³ ANSI/AIHA/ASSE Z9.5-2012 Laboratory Ventilation Standard, American Society of Safety Engineers.

Revise Informative Appendix B as follows. The remainder of Informative Appendix B is unchanged.

INFORMATIVE APPENDIX B INFORMATIVE REFERENCES AND BIBLIOGRAPHY

ASHRAE. 2011a. *ASHRAE Handbook—Applications*, Chapter 8, “Health Care Facilities.” Atlanta: ASHRAE.

ASHRAE. 2011b. *ASHRAE Handbook—Applications*, Chapter 16, “Laboratories.” Atlanta: ASHRAE.



**BSR/ASHRAE/ASHE Addendum f
to ANSI/ASHRAE/ASHE Standard 170-2013**

Public Review Draft

**Proposed Addendum f to
Standard 170-2013, Ventilation of
Health Care Facilities**

**First Public Review (February 2015)
(Draft shows Proposed Changes to Current Standard)**

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

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BSR/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*

First Public Review Draft

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FOREWORD

This proposed addenda clarifies requirements for the Primary Supply Diffuser Array in Operating Rooms and similar spaces.

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

Addendum f to 170-2013

Revise Table 6.7.2 as follows. The remainder of Table 6.7.2 is unchanged.

TABLE 6.7.2 Supply Air Outlets

Space Designation (According to Function)	Supply Air Outlet Classification ^a
Operating rooms ^b , procedure rooms (all class A, B, and C surgeries ^b)	Primary s Supply d Diffusers included within the Primary Supply Diffuser Array: Group E, nonaspirating. a Additional supply diffusers <u>within the room</u> ; Group E

Revise Section 7.4.1 as follows. Note that the sentence beginning “Additional supply diffusers may be...” is relocated from the last sentence in Subsection 7.4.1.b to its own subsection.

7.4.1 Operating Rooms (~~Class B and C~~), Operating/Surgical Cystoscopic Rooms, and Caesarean Delivery Rooms. These rooms shall be maintained at a positive pressure with respect to all adjoining spaces at all times. A pressure differential shall be maintained at a value of at least +0.01 in. wc (2.5 Pa). Each room shall have individual temperature control. These rooms shall be provided with ~~a~~ pPrimary ~~s~~Supply ~~d~~Diffusers Array that ~~are~~ is designed as follows:

- a. The airflow shall be unidirectional, downwards, and the average velocity of the diffusers shall be 25 to 35 cfm/ft² (127 to 178 L/s/m²). The diffusers shall be concentrated to provide an airflow pattern over the patient and surgical team. (For further information, see Memarzadeh and Manning [2002] and Memarzadeh and Jiang [2004] in Informative Appendix B.)
- b. The coverage area of the ~~p~~Primary ~~s~~Supply ~~d~~Diffuser ~~a~~Array shall extend a minimum of 12 in. (305 mm) beyond the footprint of the surgical table on each side. No more than 30% of the ~~p~~Primary ~~s~~Supply ~~d~~Diffuser ~~a~~Array area shall be used for nondiffuser uses such as lights, gas columns, equipment booms, access panels, sprinklers, etc.

BSR/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*

First Public Review Draft

Additional supply diffusers ~~may be required~~ shall be permitted within the room, outside of the Primary Supply Diffuser Array, to provide additional ventilation to the operating room to achieve the environmental requirements of Table 7.1 relating to temperature, humidity, ~~etc.~~ or a portion of the required air change rates.

The room shall be provided with at least two low sidewall return or exhaust grilles spaced at opposite corners or as far apart as possible, with the bottom of these grilles installed approximately 8 in. (203 mm) above the floor.

Exception: In addition to the required low return (or exhaust) air grilles, such grilles may be placed high on the walls.



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to ANSI/ASHRAE/ASHE Standard 170-2013**

Public Review Draft

**Proposed Addendum g to
Standard 170-2013, Ventilation of
Health Care Facilities**

**First Public Review (February 2015)
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This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE/ASHE Addendum g to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*

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FOREWORD

This proposed addenda completes the process of coordinating operating room and procedure room terminology with the 2014 FGI Guidelines.

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

Addendum g to 170-2013

Revise the definitions section as shown below. The remainder of Section 3 is unchanged.

3. DEFINITIONS

classification of surgeries:

~~procedure room (Class A surgery):~~ provides minor surgical procedures performed under topical, local, or regional anesthesia without preoperative sedation. Excluded are intravenous, spinal, and epidural procedures, which are Class B or C surgeries.

~~operating room (Class B surgery):~~ provides minor or major surgical procedures performed in conjunction with oral, parenteral, or intravenous sedation or performed with the patient under analgesic or dissociative drugs.

~~operating room (Class C surgery):~~ provides major surgical procedures that require general or regional block anesthesia and/or support of vital bodily functions.

(For more information on this method of classifying surgeries, see ACS [2000] in Informative Appendix B.)

invasive procedure: a procedure that:

- Penetrates the protective surfaces of a patient's body (e.g., skin, mucous membranes, cornea).
- Is performed in an aseptic surgical field (i.e., a procedure site).
- Generally requires entry into a body cavity.
- May involve insertion of an indwelling foreign body.

Informative Note: Invasive procedures are performed in locations suitable to the technical requirements of the procedure with consideration of infection control and anesthetic risks and goals. Accepted standards of patient care are used to determine where an invasive procedure is performed. "Invasive

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procedure” is a broad term commonly used to describe procedures ranged from a simple injection to a major surgical procedure. For the purposes of this document, the term is limited to the above description. The intent is to differentiate those procedures that carry a high risk of infection, either by exposure of a usually sterile body cavity to the external environment or by implantation of a foreign object(s) into a normally sterile site. Procedures performed through orifices normally colonized with bacteria and percutaneous procedures that do not involve an incision deeper than skin would not be included in this definition.

operating room (OR): a room in the surgical suite that meets the requirements of a restricted area and is designated and equipped for performing surgical or other invasive procedures. An aseptic field is required for all procedures performed in an OR. Any form of anesthesia may be administered in an OR if proper anesthesia gas administration devices are present and waste anesthesia gas disposal systems are provided.

procedure room: A room designated for the performance of procedures that do not meet the definition of “invasive procedure” and may be performed outside the restricted area of a surgical suite and may require the use of sterile instruments or supplies. Local anesthesia and minimal and moderate sedation may be administered in a procedure room, as long as special ventilation or waste anesthesia gas disposal systems are not required for anesthetic agents used in these rooms.

restricted area: A designated space in the semi-restricted area of the surgical suite that can only be accessed through a semi-restricted area.

The restricted access is primarily intended to support a high level of asepsis control, not necessarily for security purposes. Traffic in the restricted area is limited to authorized personnel and patients. Personnel in restricted areas are required to wear surgical attire and cover head and facial hair. Masks are required where open sterile supplies or scrubbed persons may be located.

Revise Section 6.1.1 as shown below.

6.1 Utilities

6.1.1 Ventilation Upon Loss of Electrical Power. The space ventilation and pressure relationship requirements of Table 7.1 be maintained for the following spaces, even in the event of loss of normal electrical power:

- a. AII rooms
- b. PE rooms
- c. Operating rooms (~~Class B and C surgery~~), including delivery rooms (Caesarean)

(For further information, see NFPA [2012] in Informative Appendix B.)

Revise Table 6.4 as shown below. The remainder of the table is unchanged.

TABLE 6.4 Minimum Filter Efficiencies

Space Designation (According to Function)	Filter Bank No. 1 (MERV) ^a	Filter Bank No. 2 (MERV) ^a
Operating rooms (Class B and C surgery); inpatient and ambulatory diagnostic and therapeutic radiology; inpatient delivery and recovery spaces	7	14
Laboratories; Procedure rooms (Class A surgery), and associated semirestricted spaces	13 ^b	NR

Revise Section 6.5.3 as shown below.

6.5.3 Radiant Heating Systems. If radiant heating is provided for an AII room, a protective environment room, a wound intensive-care unit (burn unit), an operating room or a procedure room (~~for any class of surgery~~), either flat and smooth radiant ceiling or wall panels with exposed cleanable surfaces or radiant floor heating shall be used. Gravity-type heating or cooling units, such as radiators or convectors, shall not be used in operating rooms and other special-care areas.

Revise Section 6.7.2 as shown below.

6.7.2 Air Distribution Devices. All air distribution devices shall meet the following requirements:

- Surfaces of air distribution devices shall be suitable for cleaning. Supply air outlets in accordance with Table 6.7.2 shall be used.
- The supply diffusers in operating rooms (~~Classes B and C surgeries~~) shall be designed and installed to allow for internal cleaning.
- Psychiatric, seclusion, and holding-patient rooms shall be designed with security diffusers, grilles, and registers.

Revise Table 6.7.2 as shown below. The remainder of the table is unchanged.

TABLE 6.7.2 Supply Air Outlets

Space Designation (According to Function)	Supply Air Outlet Classification ^a
Operating rooms ^b , procedure rooms (all class A, B, and C surgeries^b)	Primary supply diffusers Group E, nonaspirating additional Supply Diffusers, Group E

Revise Section 7.1d as shown below. The remainder of Section 7.1 is unchanged.

7.1 General Requirements. The following general requirements shall apply for space ventilation:

[...]

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d. In All rooms, protective environment rooms, wound intensive-care units (burn units), and operating and procedure rooms (~~for all classes of surgery~~), heating with supply air or radiant panels that meet the requirements of Section 6.5.3 shall be provided.

Revise Table 7.1 as shown below. The remainder of the table is unchanged.

TABLE 7.1 Design Parameters

Function of Space	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
SURGERY AND CRITICAL CARE							
Operating room (Class B and C)(m), (n), (o)	Positive	4	20	NR	No	20–60	68–75/20–24
Procedure room (Class A surgery) (o), (d)	Positive	3	15	NR	No	20–60	70–75/21–24

Revise Section 7.4.1 as shown below. The remainder of Section 7.4.1 is unchanged.

7.4.1 Operating Rooms (~~Class B and C~~), Operating/Surgical Cystoscopic Rooms, and Caesarean Delivery Rooms. These rooms shall be maintained at a positive pressure with respect to all adjoining spaces at all times. A pressure differential shall be maintained at a value of at least +0.01 in. wc (2.5 Pa). Each room shall have individual temperature control. These rooms shall be provided with primary supply diffusers that are designed as follows:
[...]

Revise Section 7.4.3 as shown below.

7.4.3 Imaging Procedure Rooms. If invasive procedures occur in this type of room, ventilation shall be provided in accordance with the ventilation requirements for procedure rooms (~~Class A surgery~~). If anesthetic gases are administered, ventilation shall be provided in accordance with the ventilation requirements for operating rooms (~~Class B or C surgery~~).

Revise Section 8.6b as shown below. The remainder of Section 8.6 is unchanged.

8.6 Duct Cleanliness. The duct supply system shall meet the following requirements for cleanliness:

[...]

b. The supply diffusers in operating rooms (~~Class B and C surgery~~) shall be opened and cleaned before the space is used.

[...]

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Revision to NSF/ANSI 42 – 2014
 Issue 82 Revision 1 (March 2015)

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NSF/ANSI Standard
 for Drinking Water Treatment Units –

Drinking water treatment units –
 Aesthetic effects

5 Structural performance

Table 5 – Structural integrity testing requirements

Complete systems	Hydrostatic pressure test¹	Cyclic pressure test¹
complete systems with pressure vessels having a diameter < 203 mm (8 in)	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
complete systems with pressure vessels having a diameter of ≥ 203 mm (8 in)	4-5 2.4 x maximum working pressure or 1,040 2,070 kPa (150 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
complete systems designed for open discharge ²	1.5 x maximum working pressure or 1,040 kPa (150 psig)	10,000 cycles at 0 to 345 kPa (0 to 50 psig)
complete portable systems pressurized by user ³	1.5 x maximum working pressure	none
metallic pressure vessels having a diameter < 203 mm (8 in) ⁴	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
metallic pressure vessels having a diameter of ≥ 203 mm (8 in) ⁴	4-5 2.4 x maximum working pressure or 1,040 2,070 kPa (150 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter < 203 mm (8 in)	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter of ≥ 203 mm (8 in)	4-5 2.4 x maximum working pressure or 1,040 2,070 kPa (150 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
disposable metallic pressure vessels and components	3 x maximum working pressure or 2,070 kPa	10,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working

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Table 5 – Structural integrity testing requirements

	(300 psig)	pressure
valves and controls ⁵	None 3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
<p>¹ When a choice is given in the table, testing shall be done at the greater pressure.</p> <p>² Components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section.</p> <p>³ Portable systems designed to utilize only atmospheric pressure or gravity flow shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use.</p> <p>⁴ Metallic pressure vessels require measurement of circumference and head deflection. The pressure vessel circumference shall not exhibit a permanent increase of more than 0.2% when measured at the midsection and at 30 cm (12 in) intervals. The top and bottom head deflection of the pressure vessel shall not exhibit a permanent deflection exceeding 0.5% of the vessel diameter.</p> <p>⁵ Subject to line pressure and tested as separate components.</p>		

Reason: Structural integrity requirements are being harmonized among the DWTU standards per the 2014 DWTU JC meeting (May 14, 2014).

NSF/ANSI Standard for Drinking Water Treatment Units — Residential cation exchange water softeners

5 Structural performance

Table 5 – Structural integrity performance testing

Systems and components	Hydrostatic pressure test ¹	Cyclic pressure test ¹
complete systems with pressure vessels having a diameter < 203 mm (8 in)	2,070 kPa (300 psig) or 2.4 x maximum working pressure, whichever is greater 3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure, whichever is greater
complete systems with pressure vessels having a diameter ≥ 203 mm (8 in)	2.4 x maximum working pressure 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure

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Table 5 – Structural integrity performance testing

Systems and components	Hydrostatic pressure test¹	Cyclic pressure test¹
complete disposable systems with pressure vessels having a diameter < 203 mm (8 in)	2,070 kPa (300 psig) or 2.4 x maximum working pressure, whichever is greater 3 x maximum working pressure or 2,070 kPa (300 psig)	10,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure, whichever is greater
complete disposable systems with pressure vessels having a diameter ≥ 203 mm (8 in)	2.4 x maximum working pressure 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure, whichever is greater
components	2,070 kPa (300 psig) or 2.4 x maximum working pressure, whichever is greater	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure, whichever is greater
disposable pressure vessels and components	2,070 kPa (300 psig) or 2.4 x maximum working pressure, whichever is greater 3 x maximum working pressure or 2,070 kPa (300 psig)	10,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure, whichever is greater
metallic pressure vessels having a diameter < 203 mm (8 in) ²	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
metallic pressure vessels having a diameter ≥ 203 mm (8 in) ²	2.4 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter < 203 mm (8 in)	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter ≥ 203 mm (8 in)	2.4 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
valves and controls ³	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure

¹ When a choice is given in the Table, testing shall be done at the greater pressure.

² Metallic pressure vessels require measurement of permanent circumference and head deflection. The pressure vessel circumference shall not exhibit a permanent increase of more than 0.2% when measured at the midsection and at 30 cm (12 in) intervals. The top and bottom head deflection of the pressure vessel shall not exhibit a permanent deflection exceeding 0.5% of the vessel diameter.

³ Subject to line pressure and tested as separate components.

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NSF/ANSI Standard
 for Drinking Water Treatment Units —

Drinking water treatment units — Health effects

5 Structural performance

Table 5 – Structural integrity testing requirements

Complete systems	Hydrostatic pressure test ¹	Cyclic pressure test ¹
complete systems with pressure vessels having a diameter < 203 mm (8 in)	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
complete systems with pressure vessels having a diameter of ≥ 203 mm (8 in)	4.5 2.4 x maximum working pressure or 4,040 2,070 kPa (450 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
complete systems designed for open discharge ²	1.5 x maximum working pressure or 1,040 kPa (150 psig)	10,000 cycles at 0 to 345 kPa (0 to 50 psig)
complete portable systems pressurized by user ³	1.5 x maximum working pressure	none
metallic pressure vessels having a diameter < 203 mm (8 in) ⁴	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
metallic pressure vessels having a diameter of ≥ 203 mm (8 in) ⁴	4.5 2.4 x maximum working pressure or 4,040 2,070 kPa (450 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter < 203 mm (8 in)	3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
nonmetallic pressure vessels having a diameter of ≥ 203 mm (8 in)	4.5 2.4 x maximum working pressure or 4,040 2,070 kPa (450 300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
disposable pressure vessels and components	3 x maximum working pressure or 2,070 kPa (300 psig)	10,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure
valves and controls ⁵	None 3 x maximum working pressure or 2,070 kPa (300 psig)	100,000 cycles at 0 to 1,040 kPa (0 to 150 psig) or maximum working pressure

¹ When a choice is given in the Table, testing shall be done at the greater pressure.

² Components downstream of the system on/off valve that are not subject to pressure under the off mode, and

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Table 5 – Structural integrity testing requirements

Complete systems	Hydrostatic pressure test ¹	Cyclic pressure test ¹
<p>that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use. Components that are downstream of the system on/off valve, but upstream of media subject to clogging, shall meet the requirements of this section.</p>		
<p>³ Portable systems designed to utilize only atmospheric pressure or gravity flow shall be exempt from the hydrostatic pressure test, but shall be watertight in normal use.</p>		
<p>⁴ Metallic pressure vessels require measurement of circumference and head deflection. The pressure vessel circumference shall not exhibit a permanent increase of more than 0.2% when measured at the midsection and at 30-cm (12-in) intervals. The top and bottom head deflection of the pressure vessel shall not exhibit a permanent deflection exceeding 0.5% of the vessel diameter.</p>		
<p>⁵ Subject to line pressure and tested as separate components</p>		

Reason: Structural integrity requirements are being harmonized among the DWTU standards per the 2014 DWTU JC meeting (May 14, 2014).

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

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5 Barrier materials

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5.5 Extraction procedures

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5.5.4 Conditioning (Optional)

Test samples shall be conditioned immediately after curing. This conditioning procedure simulates the disinfection of water mains and storage tanks prior to placing into service, and is based on AWWA Standards C651-05 and C652-02.

Coatings intended for pipes and fittings can be conditioned as follows:

- 1) prepare 50 mg/L free available chlorine solution using sodium hypochlorite (NaOCl – reagent grade or equivalent);
- 2) using a spray bottle, spray the previously rinsed test samples, wetting all surfaces to be exposed;
- 3) let the test samples stand for at least 3 hours; and
- 4) place the test samples in racks, rinse with cold tap water, and rinse with reagent water, meeting the requirements of Annex B, section B.9.2.1.

Coatings intended for water storage tanks or multiple uses (tanks, pipes, other) may be conditioned as follows:

- 1) prepare 200 mg/L free available chlorine solution using sodium hypochlorite (NaOCl - reagent grade or equivalent);
- 2) using a spray bottle, spray the previously rinsed test samples, wetting all surfaces to be exposed;
- 3) let the test samples stand for at least 30 min; and

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- 4) place the test samples in racks, rinse with cold tap water, and rinse with reagent water, meeting the requirements of Annex B, section B.9.2.1.

Products may also be disinfected per manufacturer’s use instructions.

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Annex B

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B.5 Mechanical plumbing devices

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B.5.5 Extraction water

The extraction water shall be prepared by combining:

- 25 ml of 0.4M sodium bicarbonate;
- chlorine stock solution per Annex B, section B.9.2.4;
- reagent water meeting the requirements of Annex B, section B.9.2.1 (make up to 1 L), and adjust pH as needed using 0.1M HCl; and

This water shall have a pH of 8.0 ± 0.5 , alkalinity of 500 ± 25 ppm, dissolved inorganic carbon of 122 ± 5 ppm, and 2 ± 0.5 ppm of free available chlorine.

All exposure water that is being used to determine conformance to this Standard shall be prepared fresh daily and stored in a closed container.

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B.9 Extraction water preparation

B.9.1 Chemical characteristics

Four extraction waters shall be available for exposure:

- a) pH = 5, with 2 mg/L free available chlorine and 100 mg/L hardness;
- b) pH = 6.5, with 2 mg/L free available chlorine and 100 mg/L hardness;
- c) pH = 8 (organic analysis), with 0 mg/L available chlorine and 100 mg/L hardness; and
- d) pH = 10, with 2 mg/L free available chlorine.

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All exposure water that is used to determine compliance to this Standard shall be prepared fresh daily and stored in a closed container.

B.9.2 Reagents

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B.9.2.4.2 Determining amount of chlorine stock solution required to obtain 2 ppm residual chlorine

To determine the volume of the chlorine stock solution necessary to add to the extraction water to obtain 2.0 mg/L free available chlorine residual, the following formula shall be used:

$$\text{mL stock solution} = \frac{2.0 \times B}{A}$$

where:

A = chlorine equivalent per mL of chlorine stock solution (determined above); and
B = liters of extraction water.

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B.9.3 pH 5 water

pH 5 extraction water shall be prepared to contain 100 mg/L hardness and 2 mg/L free available chlorine. Stock reagent solutions in the amounts shown in Annex B, Table B15 shall be diluted to the desired water volume with reagent water.

B.9.4 pH 6.5 water

pH 6.5 water shall be prepared to contain 100 mg/L hardness and 2 mg/L free available chlorine. Stock reagent solutions in the amounts shown in Annex B, Table B15 shall be diluted to the desired water volume with reagent water. The pH shall be adjusted to pH 6.5 ± 0.5 using 0.1M HCl.

NOTE – It is recommended that the pH 6.5 water be protected from exposure to air during its formulation and use to minimize pH drift. Unused exposure water should be maintained under a nitrogen blanket, and product samples should be plugged or tightly covered to minimize exposure to air.

B.9.5 pH 8 water (conditioning)

pH 8 conditioning water shall be prepared to contain 100 mg/L hardness and 2 mg/L free available chlorine. Stock reagent solutions in the amounts shown in Annex B, Table B15 shall be diluted to the desired water volume with reagent water.

B.9.6 pH 8 water (organic analysis)

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pH 8 organic extraction water shall be prepared to contain 100 mg/L hardness and 0 mg/L free available chlorine. Stock reagent solutions in the amounts shown in Annex B, Table B15 shall be diluted to the desired water volume with reagent water.

B.9.7 pH 10 water

pH 10 extraction water shall be prepared to contain 2 mg/L free available chlorine. Stock reagent solutions in the amounts shown in Annex B, Table B15 shall be diluted to the desired water volume with reagent water.

Reason: Updating chlorine terminology per 2014 DWA-SC JC meeting discussion for consistency throughout the standard.

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NSF/ANSI Standard for Drinking Water Treatment Units –

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3 Definitions

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3.xx Lifetime Health Advisory (LHA)¹: The concentration of a chemical in drinking water that is not expected to cause any adverse noncarcinogenic effects for a lifetime of exposure, incorporating a drinking water Relative Source Contribution (RSC) factor of contaminant-specific data or a default of 20% of total exposure from all sources. The Lifetime Health Advisory is based on exposure of a 70-kg adult consuming 2 liters of water per day. For Lifetime Health Advisories developed for drinking water contaminants before the Lifetime Health Advisory policy change to develop Lifetime Health Advisories for all drinking water contaminants regardless of carcinogenicity status in this Drinking Water Standards and Health Advisories (DWSHA) update, the Lifetime Health Advisory for Group C carcinogens (possible human carcinogen), as indicated by the 1986 Cancer Guidelines, includes an uncertainty adjustment factor of 10 for possible carcinogenicity.

Reason: Added EPA's definition of LHA per comment received from R. Odette on 330i7r2 ballot.

3.xx Limit of Detection (LOD): The lowest quantity of a substance able to be distinguished from the absence of that substance (a blank value), ~~within a stated confidence limit (generally 1%),~~ but not necessarily quantified, under the conditions of the test method.

3.xx Limit of Quantification (LOQ): The lowest concentration at which the analyte is not only reliably detected but at which some predefined goals for bias and imprecision are met. The Limit of Quantification may be equivalent to the Limit of Detection or it could be at a much higher concentration.

Reason: Added per comment received from K. Sauerbier on 330i7r2 ballot to distinguish the difference between LOD and LOQ.

3.xx Public Health Goal (PHG): A level of drinking water contaminant at which adverse health effects are not expected to occur from a lifetime of exposure. PHGs are not regulatory standards.

Reason: Added statement per comment received from E. Leung to clarify that PHGs are not regulatory values.

¹ As defined by the U.S. Environmental Protection Agency (USEPA), 822-S-12-001, 2012 Edition of the Drinking Water Standards and Health Advisories, Office of Water, 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460 <www.epa.gov>

BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

1. Miscellaneous Revisions and Revision to Ampacity of Cords

PROPOSAL

Table 6.2

Wire types and overcurrent protection ratings for parallel-connected seasonal lighting products^c

	With load fitting		Without load fitting	
Minimum wire size, AWG (mm ²)	20 (0.52) ^a	18 (0.82) ^b	20 (0.52) ^a	18 (0.82) ^b
Wire type	XTW	SPT-1, SP-2, SPT-2, S, ST, SE, SO, SOO, SJ, SJT, SJE, SJO, SJOO	XTW	SPT-1, SP-2, SPT-2, S, ST, SE, SO, SOO, SJ, SJT, SJE, SJO, SJOO
Minimum wire temperature	105°C		105°C	
Maximum current rating, Amperes	4.8 ^e		3.6 ^e	
Fuse rating, Amperes	5		5	
Fuse location	Ungrounded conductor (hot)		Ungrounded conductor (hot)	
On/Off switch and type (if located in other than a Class 2 circuit)	Single-pole ungrounded conductor (hot)		Single-pole ungrounded conductor (hot)	
See Figure	7.2, 7.12		7.1, 7.11	
^a A motorized product shall employ minimum 18 AWG Type SPT-2 wire for the supply connections. (See Figures 7.11 - 7.16).				
^b The wire Type for products intended for outdoor use shall be SPT-1W, SP-2W, SPT-2W, STW, SEW, SOW, SOOW, SJTW, SJEW, SJOW, or SJOOW.				
^c For current rating and overcurrent protection of products employing 18 AWG and larger size cords refer to Table 13.1.				

Table 13.1**Maximum conductor current and overcurrent protection flow for a seasonal product**

Wire size,		Overcurrent Protection
AWG (mm ²)	Maximum conductor current of a fully loaded seasonal product, amperes	Amperes
12 (3.31)	12	N/A
14 (2.08)	12	N/A
16 (1.31)	10	10 ^b
18 (0.82)	3.6 <u>8</u> ^a or 8	5 or 8 ^a
20 (0.52)	3.6 ^a	5
22 (0.32)	1.8	3

^a When an 5 8 A fuse is employed, the maximum current shall not exceed 3.6 8 A. When an 8 5 A fuse is employed, the maximum current shall not exceed 8 3.6 A.

^b Overcurrent is required only when more than 3 load fittings are employed. A maximum of 6 load fittings are permitted when overcurrent protection is provided.

13.3.6 An attachment plug, a power inlet, or a load fitting employed in a seasonal product shall be rated in accordance with Table 13.2 a minimum of 15 A for use with 12 AWG (3.31 mm²), and 14 AWG (2.08 mm²), 10 A for use with 16 AWG (1.31 mm²) wire, 8 or 5 A for use with 18 AWG (0.82 mm²), 5A for use with 20 AWG (0.52 mm²) wire and a minimum of 3 A for use with 22 AWG (0.32 mm²) wire. A current tap shall be rated 15 A.

Table 13.2**Minimum wiring device rating**

Conductor Size		Minimum Wiring Device Rating
AWG	(mm ²)	
<u>12</u>	<u>(3.31)</u>	<u>15</u>
<u>14</u>	<u>(2.08)</u>	<u>15</u>
<u>16</u>	<u>(1.31)</u>	<u>10</u>
<u>18</u>	<u>(0.82)</u>	<u>8</u> ^a

<u>20</u>	<u>(0.52)</u>	<u>5</u>
<u>22</u>	<u>(0.32)</u>	<u>3</u>
^a For 18 AWG products with a 5 Amp fuse rating, the wiring device rating shall be a minimum of 5 amps.		

~~31.2 The maximum rating of a decorative outfit, as determined during the Input Test, Section 42, with the maximum marked wattage lamps installed, shall be:~~

~~a) 216 Watts (1.8 A) for a parallel-connected decorative outfit employing 20 AWG (0.52 mm²) or larger cord and a polarized plug and in accordance with Table 13.1 when larger cords are employed.~~

~~Exception: A decorative outfit without a load fitting marked in accordance with 117.5.1 is able to have a maximum current draw of 432 Watts (3.6 A).~~

~~b) 0.60 A for a series-connected decorative outfit employing 22 AWG (0.32 mm²) or larger cord and a non-polarized plug.~~

~~Exception No. 1: The maximum current draw for a series or series-parallel-connected decorative outfit without a load fitting, and employing a polarized attachment plug can be 1.8 A if the product is marked in accordance with 117.5.2.~~

~~Exception No. 2: The maximum total wattage (current) draw for a decorative outfit employing series or series-parallel connected strings, each employing 22 AWG (0.32 mm²) or larger cord, the same type and rated lamp, is able to be 216 Watts (1.8 A).~~

~~c) In accordance with Table 13.1 when 18 AWG (0.82 mm²) and larger cords are employed.~~

113.3 A product other than a lighting string employing a polarized attachment plug shall not have a current rating that exceeds 3.6 A.

Exception No. 1: The current rating shall be in accordance with Table 13.1 when 18 AWG (0.82 mm²) and larger cords are employed.

Exception No. 2: An indoor use lighting sculpture that is constructed such that each string is not connected to the load fitting of another string and is provided with a seasonal use cord set meeting the requirements described in Supplement SB of the Standard for Cord Sets and Power Supply Cords, UL 817, shall not have a current rating that exceeds 8 A.

Exception No. 3: An outdoor use lighting sculpture that is constructed such that each string is not connected to the load fitting of another string, and is provided with an outdoor seasonal use cord connected wiring device that complies with the requirements

described in the Standard for Outdoor Seasonal-Use Cord-Connected Wiring Devices, UL 2438, shall not have a current rating that exceeds 8 A.

117.1.6 A product employing larger than 18 AWG (0.82 mm²) flexible cord with an input current in accordance with rated at the maximum conductor current shown in Table 13.1 shall be marked with the following: "CAUTION - Do not connect to another lighting string, decorative outfit, or seasonal product."

117.8.4 A motorized tree stand product other than previously described which employs load fittings not intended for connection to specific lamp type lighting strings shall be marked adjacent to the load fitting with the following: "CAUTION - Do not overload - Max total load shall not exceed ____ A." The blank shall be filled in with the appropriate rating for the cord type and size provided.

3. Revised Requirements for Parallel-Connected Lighting Strings

PROPOSAL

117.4.4 A parallel-connected decorative-outfit provided with one or more load fittings shall be marked, where visible to the user, with the following: "CAUTION - ~~Do not overload.~~ This product is rated _____ Watts (_____ Amps) Do not overload. Connect other lighting strings or decorative outfits end-to end up to a maximum of _____ Watts (_____ amps) total. Do not interconnect different types of products." The first blank shall be filled in with the rated wattage of the product. The second blank shall be filled in with the rated amperage of the product. The third blank shall be filled in with the conductor wattage based on 120 V times the maximum conductor current described in Table 13.1. The fourth blank shall be filled in with the maximum total current in Amps described in Table 13.1. The marking shall be located either adjacent to the load fittings or on a tag located within 3 inches (76.2 mm) of the load fittings.

- a) ~~Connect a maximum of three (3) series or series-parallel-connected lighting strings or decorative outfits; or~~
- b) ~~Connect a maximum of thirty (30) candelabra and intermediate base lamps; or~~
- c) ~~Connect a maximum of one (1) motorized decorative outfit.~~

~~Do not interconnect different types of products." The marking shall be located either adjacent to the load fittings or on a tag located within 3 inches (76.2 mm) of the load fittings.~~

Exception: A decorative outfit consisting of a lighting string with decorative covers need not comply with this requirement.

~~117.5.3 A series or series-parallel-connected decorative outfit which employs up to three (3) light strings connected end-to-end shall be marked with the following: "CAUTION - Do not connect to another lighting string, decorative outfit, or seasonal product."~~

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BSR/UL 1561, Standard for Safety for Dry-Type General Purpose and Power Transformers

1. Addition of Overload Test Requirements for 240 C Insulation System

PROPOSAL

Table 25.1

Overload test times

Class	Temperature rise, °C	Overload time, minutes
105	55	30
130	60	30
155	85	30
180	110	26
200	130	23
220	150	20
<u>240</u>	<u>165</u>	<u>17</u>

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