ANSI STANDARDS ACTION

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Contents

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

ISSN 0038-9633

Comment Deadline: October 15, 2017

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

Revision

BSR/ASHRAE Standard 23.1-201x, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant (revision of ANSI/ASHRAE Standard 23.1-2010)

The first 23.1-2010R full public review (PPR1) that ended on April 17, 2017 had no public review comments. However, two key sections were inadvertently omitted from the 23.1-2010R PPR1 draft. Correcting that error of omission is the subject of this 23.1-2010R Independent Substantive Change (ISC) Publication Public Review (PPR).

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i47r5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 170-201x (i20r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

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

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i71r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

NSF (NSF International)

Revision

BSR/NSF 350-201x (i22r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-201x (i22r1))

This Standard contains minimum requirements for onsite residential and commercial water treatment systems.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jessica Evans, jevans@nsf.org

RESNET (Residential Energy Services Network, Inc.)

Addenda

BSR/RESNET/ICC 301-201x Addendum L-201x, Duct Leakage to Outside Test Exception (addenda to ANSI/RESNET/ICC 301-2014)

The proposed addenda will establish an exception to required testing for duct leakage to outside when defined conditions are met.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Comments are submitted via RESNET's online comment form. See the links from webpage: http://www.resnet.us/blog/resnet-consensus-standards/

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2017)

(1) Revise proposal for battery update.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 842-201x, Standard for Safety for Valves for Flammable Fluids (revision of ANSI/UL 842-2015)

The following is being proposed: (1) Clarification of valves subjected to the Fire Test; (2) Clarification of time required for the External Leakage Test.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 842A-201x, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 842A-2015)

The following is being proposed: (1) Clarification of valves subjected to the Fire Test.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664 -3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 842B-201x, Standard for Safety for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 842B-2015)

The following is being proposed: (1) Clarification of valves subjected to the Fire Test.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664 -3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1081-201x, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017)

(1) Revise proposal for battery update.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664 -1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1563-201x, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (revision of ANSI/UL 1563-2017)

(1) Revise proposal for battery update.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664 -1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2251-201X, Standard for Safety for Plugs, Receptacles, and Couplers for Electric Vehicle (revision of ANSI/UL 2251-2013)

Revision to the Temperature Rise Test.

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 61730-1-201x, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (revision of ANSI/UL 61730-1-201x)

(1) Proposed addition of references to components standards for application in the U.S.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664 -1725, Susan.P.Malohn@ul.com

Comment Deadline: October 30, 2017

ABYC (American Boat and Yacht Council)

New Standard

BSR/ABYC EDU-4-201x, On-Water Instruction Standard (new standard)

This standard is a guide for on-water instruction in recreational boat operation.

Single copy price: Free

Order from: Helen Koepper, (410) 990-4460, hkoepper@abycinc.org

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B16.38-2012 (R201x), Large Metallic Valves for Gas Distribution (Manually Operated, NPS 2 1/2 (DN 65) to NPS 12 (DN 300), 125 psig (8.6 bar) Maximum) (reaffirmation of ANSI/ASME B16.38-2012)

This Standard covers requirements for manually operated metallic valves in nominal sizes 2½ (DN 65) through 12 (DN 300) having the inlet and outlet on a common centerline. These valves are intended for controlling the flow of gas from open to fully closed positions, for use in distribution and service lines where the maximum gage pressure does not exceed 125 psig (8.6 bar). Valve seats, seals, and stem packing may be nonmetallic.

Single copy price: Free

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

Order from: https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Richard Lucas, (212) 591 -7541, lucasr@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B30.5-20XX, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2014)

B30.5 applies to crawler cranes, locomotive cranes, wheel-mounted cranes, and any variations thereof that retain the same fundamental characteristics. The scope includes only cranes of the above types that are basically powered by internal combustion engines or electric motors.

Single copy price: Free

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

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0700004.a-2008 (S201x), Supplement to ATIS High Capacity-Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004.a-2008 (R2013))

This document contains necessary supplemental changes to ATIS 0700004.2007 to support transport of IP over PPP, IEEE802.2 LLC, IEEE802.3/Ethernet Payloads and Payload Header Suppression profiles over the HC-SDMA air interface.

Single copy price: $60.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0700706-1997 (S201x), Stage 1 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-E) Supplementary Service (stabilized maintenance of ANSI ATIS 0700706-1997 (R2013))

This standard defines and describes the Enhanced Priority Access and Channel Assignment (PACA-E) service for PCS. This service is intended to provide preferential treatment to a special group of PCS users, e.g., National Security and Emergency Preparedness (NS/EP) users. PACA-E requires modifications to basic PCS call set-up procedures in order to provide prioritization, by queuing, of the assignment of radio channel resources involved in call origination from PACA-E subscriber (priority access) and, separately, call delivery to a PACA-E subscriber (priority egress).

Single copy price: $60.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0700708-1998 (S201x), PCS 1900 Service Provider Number Portability (stabilized maintenance of ANSI ATIS 0700708-1998 (R2013))

Number Portability (NP) allows subscribers to retain their Directory Number (DN) when they change their service provider (service provider portability), location (location portability), or service (service portability). The focus of this specification is to allow PCS1900 systems to support.

Single copy price: $145.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B510-201x, Carbon Dioxide (revision of ANSI/AWWA B510 -2012)

This standard describes carbon dioxide (CO2) for use in recarbonation and pH adjustment in the treatment of potable water, wastewater, and reclaimed water.

Single copy price: Free

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

CSA (CSA Group)

NewStandard

BSR/CSA C22.2 No. 336-201x, Particular requirements for rechargeable battery-operated commercial robotic floor treatment machines with traction drives (new standard)

This Standard deals with the safety requirements of rechargeable battery-operated commercial robotic floor treatment machines with traction drive intended for indoor use in accordance with CSA C22.1, Canadian Electric Code, Part I, in Canada, and with the National Electrical Code, NFPA 70 in the U.S., the rated voltage of the battery being not more than 75 V dc.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

NSF (NSF International)

Revision

BSR/NSF 50-201x (i115), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

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

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=39088&wg_abbrev=jc_rwf

Order from: Jessica Evans, jevans@nsf.org

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

UL (Underwriters Laboratories, Inc.)

NewNationalAdoption

BSR/UL 62841-2-21-201X, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-21: Particular Requirements for Hand-Held Drain Cleaners (identical national adoption of IEC 62841-2-21)

1. Proposed adoption of the first edition of IEC 62841-2-21, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-21: Particular Requirements for Hand-Held Drain Cleaners, as the first edition of UL 62841-2-21.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

NewStandard

BSR/UL 2900-2-2-201x, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems (new standard)

UL proposed the first edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems, UL 2900-2-2.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 275-2013 (R201x), Standard for Safety for Automotive Glass-Tube Fuses (reaffirmation of ANSI/UL 275-2013)

These requirements cover glass-tube fuses intended for the protection of automotive wire and automotive apparatus. These requirements do not cover glass-tube fuses intended for use in circuits rated above 32 volts.

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: Mitchell Gold, (847) 664 -2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1429-2009 (R201x), Standard for Safety for Pullout Switches (reaffirmation of ANSI/UL 1429-2009 (R2013))

UL 1429 covers non-enclosed and enclosed pullout switches of the detachable type; pullout switches rated 600 V or less, 400 A or less, with or without horsepower ratings, and with or without high-available fault current ratings; enclosed pullout switches intended for use as service equipment; and non-enclosed pullout switches for use as mains and branches in panelboards, switchboards, and the like.

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: Derrick Martin, (510) 319 -4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2017)

This proposal for UL 498 covers (1) The addition of requirements for Lighted Receptacles, and (2) A revision of requirements for the Fault Current Test in paragraph 122.2.

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: Derrick Martin, (510) 319 -4271, Derrick.L.Martin@ul.com

Comment Deadline: November 14, 2017

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

ANS (American Nuclear Society)

Revision

BSR/ANS 8.21-201x, Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors (revision of ANSI/ANS 8.21-1995 (R2011))

This standard provides guidance for the use of fixed neutron absorbers, including Raschig Rings or similar absorbers as an integral part of nuclear facilities or fissionable material process equipment outside reactors, where such absorbers provide criticality safety control.

Single copy price: $52.00

Obtain an electronic copy from: S. Cook (scook@ans.org)

Order from: S. Cook (scook@ans.org)

Send comments (with copy to psa@ansi.org) to: P. Schroeder (pschroeder@ans.org)

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B16.33-2012 (R20XX), Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 PSI (reaffirmation of ANSI/ASME B16.33-2012)

This Standard covers requirements for manually operated metallic valves sizes NPS ½ through NPS 2, for outdoor installation as gas shutoff valves at the end of the gas service line and before the gas regulator and meter where the designated gauge pressure of the gas piping system does not exceed 175 psi (12.1 bar). The Standard applies to valves operated in a temperature environment between -20°F and 150°F (-29°C and 66°C).

Single copy price: Free

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

Order from: https://www.asme.org/shop/standards

Send comments (with copy to psa@ansi.org) to: Richard Lucas, (212) 591 -7541, lucasr@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B16.44-2012 (R201x), Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems up to 5 psi (reaffirmation of ANSI/ASME B16.44-2012)

This Standard applies to new valve construction and covers quarter turn manually operated metallic valves in sizes NPS 4¼ and tubing sizes 1¼ O. D. These valves are intended for indoor installation as gas shutoff valves when installed in aboveground fuel gas piping downstream of the gas meter outlet and upstream of the inlet connection to a gas appliance. The valves covered by this Standard are intended for service at temperatures between 32°F (0°C) and 125°F (52°C) at pressure ratings not to exceed 5 psi (0.34 bar). When so designated by the manufacturer, these valves may be installed for service outdoors and/or at temperatures below 32°F (0°C) and/ or above 125°F (52°C).

Single copy price: Free

Obtain an electronic copy from: https://www.asme.org/shop/standards

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

Send comments (with copy to psa@ansi.org) to: Richard Lucas, (212) 591 -7541, lucasr@asme.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2127-201X, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2017)

UL proposes requirements for an electronic pressure indicator, pressure gauge construction requirements, and an update to commercial grade heptane specifications.

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 Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2017)

UL proposes requirements for an electronic pressure indicator and an update to commercial grade heptane specifications for UL 2166.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

NFPA Announcement

Please be advised that NFPA's call for public input and public comments on a number of standards were announced on NFPA.org, in NFPA News, and through multiple other means. However, NFPA recently discovered that the related submissions for announcement and publication in ANSI *Standards Action* were inadvertently omitted. To rectify this oversight, NFPA announces that the following standards have completed a revision cycle during which some or all filings for ANSI Standards Action announcements were deficient. Since each NFPA standard identified has entered a new revision cycle and is currently open for public participation and comment (as indicated parenthetically), NFPA has filed, and continues to file, required ANSI PINs, BSR 108, and BSR 109 forms bringing all NFPA standards up to date and current with ANSI Standards Action announcements in alignment with the NFPA Standards Development Process.

NFPA 15 *Standard for Water Spray Fixed Systems for Fire Protection* (accepting Public Input through June 26, 2019)

NFPA 17 *Standard for Dry Chemical Extinguishing Systems* (accepting Public Input through January 9, 2020)

NFPA 17A *Standard for Wet Chemical Extinguishing Systems* (accepting Public Input through January 9, 2020)

NFPA 18 *Standard on Wetting Agents* (accepting Public Input through January 3, 2019)

NFPA 18A *Standard on Water Additives for Fire Control and Vapor Mitigation* (accepting Public Input through January 9, 2020)

NFPA 25 *Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems* (First Draft committee work in progress)

NFPA 36 *Standard for Solvent Extraction Plants* (accepting Public Input through January 3, 2019)

NFPA 51A S*tandard for Acetylene Cylinder Charging Plants* (incorporated into NFPA 55 with approval of withdrawal July 24, 2015)

NFPA 56 *Standard for Fire and Explosion Prevention During Cleaning and Purging of Flammable Gas Piping Systems* (accepting Public Input through January 4, 2018)

NFPA 58 *Liquefied Petroleum Gas Code* (First Draft committee work in progress)

NFPA 61 *Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)* (accepting Public Input through January 4, 2018)

NFPA 70 *National Electrical Code®* (accepting Public Input through September 7, 2017)

NFPA 75 *Standard for the Fire Protection of Information Technology Equipment* (accepting Public Input through January 4, 2018)

NFPA 80A *Recommended Practice for Protection of Buildings from Exterior Fire Exposures* (accepting Public Input through June 26, 2019)

NFPA 96 *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations* (accepting Public Input through January 4, 2018)

NFPA 130 *Standard for Fixed Guideway Transit and Passenger Rail Systems* (First Draft committee work in progress)

NFPA 225 *Model Manufactured Home Installation Standard* (accepting Public Input through January 3, 2019)

NFPA 232 *Standard for the Protection of Records* (accepting Public Input through June 26, 2019)

NFPA 252 *Standard Methods of Fire Tests of Door Assemblies* (accepting Public Input through January 9, 2020)

NFPA 257 *Standard on Fire Test for Window and Gloss Block Assemblies* (accepting Public Input through January 9, 2020)

NFPA 268 *Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source* (accepting Public Input through January 9, 2020)

NFPA 269 *Standard Test Method for Developing Toxic Potency Data for Use in Fire Hazard Modeling* (accepting Public Input through January 9, 2020)

NFPA 275 *Standard Method of Fire Tests for the Evaluation of Thermal Barriers* (accepting Public Input through January 9, 2020)

NFPA 287 *Standard Test Method for Measurement of Flammability of Materials in Cleanrooms Using a Fire Propagation Apparatus (FPA)* (accepting Public Input through January 9, 2020)

NFPA 288 *Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire Resistance-Rated Assemblies* (accepting Public Input through January 9, 2020)

NFPA 385 *Standard for Tank Vehicles for Flammable and Combustible Liquids* (accepting Public Input through January 9, 2020)

NFPA 407 *Standard for Aircraft Fuel Servicing* (accepting Public Input through June 26, 2019)

NFPA 408 *Standard for Aircraft Hand Portable Fire Extinguishers* (accepting Public Input through January 9, 2020)

NFPA 414 *Standard for Aircraft Rescue and Fire-Fighting Vehicles* (First Draft committee work in progress)

NFPA 450 *Guide for Emergency Medical Services and Systems* (accepting Public Input through June 27, 2018)

NFPA 475 *Recommended Practice for Organizing, Managing, and Sustaining a Hazardous Materials/Weapons of Mass Destruction Response Program* (accepting Public Input through January 9, 2020)

NFPA 496 *Standard for Purged and Pressurized Enclosures for Electrical Equipment* (accepting Public Input through June 27, 2018)

NFPA 497 *Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas* (accepting Public Input through June 27, 2018)

NFPA 499 *Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installation in Chemical Process Areas* (accepting Public Input through June 27, 2018)

NFPA 501 *Standard on Manufactured Housing* (accepting Public Input through January 3, 2019)

NFPA 501A *Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities* (accepting Public Input through January 3, 2019)

NFPA 502 *Standard for Road Tunnels, Bridges, and Other Limited Access Highways* (accepting Public Input through June 27, 2018)

NFPA 550 *Guide to the Fire Safety Concepts Tree* (accepting Public Input through January 9, 2020)

NFPA 555 *Guide on Methods for Evaluating Fire Hazard to Occupants of Passenger Road Vehicles* (accepting Public Input through June 27, 2018)

NFPA 654 *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids* (accepting Public Input through June 27, 2018)

NFPA 655 *Standard for Prevention of Sulfur Fires and Explosions* (accepting Public Input through January 9, 2020)

NFPA 664 *Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities* (accepting Public Input through January 4, 2018)

NFPA 704 *Standard System for the Identification of the Hazards of Materials for Emergency Response* (accepting Public Input through June 26, 2019)

NFPA 731 *Standard for the Installation of Electronic Premises Security* (accepting Public Input through January 4, 2018)

NFPA 780 *Standard for the Installation of Lightning Protection Systems* (First Draft committee work in progress)

NFPA 909 *Code for the Protection of Cultural Resource Properties—Museums, Libraries, and Places of Worship* (accepting Public Input through January 3, 2019)

NFPA 921 *Guide for Fire and Explosion Investigations* (accepting Public Input through January 4, 2018)

NFPA 1000 *Standard for Fire Service Professional Qualifications Accreditation and Certification Systems* (accepting Public Input through January 9, 2020)

NFPA 1002 *Standard for Fire Apparatus Driver/Operator Professional Qualifications* (accepting Public Input through January 9, 2020)

NFPA 1006 *Standard for Technical Rescue Personnel Professional Qualifications* (accepting Public Input through January 9, 2020)

NFPA 1072 *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications* (accepting Public Input through January 9, 2020)

NFPA 1124 *Code for the Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles* (accepting Public Input through June 27, 2018)

NFPA 1125 *Code for the Manufacture of Model Rocket and High-Power Rocket Motors* (accepting Public Input through June 26, 2019)

NFPA 1141 *Standard for Fire Protection Infrastructure for Land Development in Wildland, Rural, and Suburban Areas* (accepting Public Input through June 26, 2019)

NFPA 1142 *Standard on Water Supplies for Suburban and Rural Fire Fighting* (accepting Public Input through June 26, 2019)

NFPA 1145 *Guide for the Use of Class A Foams in Fire Fighting* (accepting Public Input through June 26, 2019)

NFPA 1150 *Standard on Foam Chemicals for Fires in Class A Fuels* (accepting Public Input through January 9, 2020)

NFPA 1401 R*ecommended Practice for Fire Service Training Reports and Records* (accepting Public Input through January 9, 2020)

NFPA 1616 *Standard on Mass Evacuation, Sheltering, and Re-entry Programs* (accepting Public Input through January 4, 2018)

NFPA 1670 *Standard on Operations and Training for Technical Search and Rescue Incidents* (accepting Public Input through January 9, 2020)

NFPA 1911 *Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Emergency Vehicles* (accepting Public Input through January 9, 2020)

NFPA 1983 *Standard on Life Safety Rope and Equipment for Emergency Services* (accepting Public Input through January 6, 2021)

NFPA 1986 *Standard on Respiratory Protection Equipment for Tactical and Technical Operations* (accepting Public Input through January 9, 2020)

As with all standards currently in revision or development, NFPA invites all interested to participate by submitting proposal to the standard of interest at

www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards .

For more information and instructions of how to submit Public Input and Public Comments to NFPA's standards, please visit www.nfpa.org/submitpi (for public input) or www.nfpa.org/submitpc (for public comment). Should you have questions regarding how you can participate in the NFPA Standards Development Process, please contact NFPA Standards Administration at stds_admin@nfpa.org or 617-984-7246.

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.

AWS (American Welding Society)

Office: 8669 NW 36th Street, #130
Miami, Florida 33166-6672

Contact: *Annik Babinski*

Phone: (800) 443-9353

Fax: (305) 443-5951

E-mail: ababinski@aws.org

BSR/AWS D17.1/D17.1M-201x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2017)

NEMA (ASC C50) (National Electrical Manufacturers Association)

Office: 1300 N 17th St, Suite 900
Rosslyn, VA 22209

Contact: *Mike Leibowitz*

Phone: (703) 841-3264

Fax: (703) 841-3364

E-mail: mike.leibowitz@nema.org

BSR/NEMA MG 1-201x, Motors and Generators (revision of ANSI/NEMA MG-1-2011)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Allan Rose*

Phone: (734) 827-3817

Fax: (734) 827-7875

E-mail: arose@nsf.org

BSR/NSF 49-201x (i47r5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

BSR/NSF 50-201x (i115), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

BSR/NSF 170-201x (i20r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

BSR/NSF 173-201x (i71r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

BSR/NSF 350-201x (i22r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-201x (i22r1))

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: *Megan Monsen*

Phone: (847) 664-1292

E-mail: megan.monsen@ul.com

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2017)

BSR/UL 1081-201x, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

ASIS (ASIS International)

Reaffirmation

ANSI ASIS PSC.1-2012 (R2017), Management System for Quality of Private Security Company Operations - Requirements with Guidance (reaffirmation of ANSI ASIS PSC.1-2012): 9/1/2017

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B16.25-2017, Buttwelding Ends (revision of ANSI/ASME B16.25-2012): 9/7/2017

ANSI/ASME B16.29-2017, Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV (revision of ANSI/ASME B16.29-2012): 9/7/2017

ANSI/ASME B16.49-2017, Factory-Made Wrought Steel Buttwelding Induction Bends for Transportation and Distribution Systems (revision of ANSI/ASME B16.49-2012): 9/7/2017

ASTM (ASTM International)

New Standard

ANSI/ASTM F1281-2017, Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe (new standard): 8/22/2017

ANSI/ASTM F2176-2017, Specification for Mechanical Couplings Used on Polyethylene Conduit, Duct and Innerduct (new standard): 9/1/2017

Reaffirmation

ANSI/ASTM F1866-2017 (R2017), Specification for Poly(Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings (reaffirmation of ANSI/ASTM F1866-2017): 8/22/2017

ANSI/ASTM F2138-2017 (R2017), Specification for Excess Flow Valves for Natural Gas Service (reaffirmation of ANSI/ASTM F2138 -2017): 8/22/2017

ANSI/ASTM F2390-2017 (R2017), Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent (DWV) Pipe and Fittings Having Post-Industrial Recycle Content (reaffirmation of ANSI/ASTM F2390-2017): 8/22/2017

ANSI/ASTM F2737-2017 (R2017), Specification for Corrugated High Density Polyethylene (HDPE) Water Quality Units (reaffirmation of ANSI/ASTM F2737-2017): 8/22/2017

ANSI/ASTM F2830-2017 (R2017), Specification for Manufacture and Joining of Polyethylene (PE) Gas Pressure Pipe with a Peelable Polypropylene (PP) Outer Layer (reaffirmation of ANSI/ASTM F2830 -2017): 8/22/2017

ANSI/ASTM F2946-2017 (R2017), Specification for PVC Hub and Elastomeric Seal (Gasket) Tee Connection for Joining Plastic Pipe to in Situ Pipelines and Manholes (reaffirmation of ANSI/ASTM F2946-2017): 8/22/2017

Revision

ANSI/ASTM D2466-2017, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM D2466 -2017): 8/22/2017

ANSI/ASTM D2996-2017, Specification for Filament-Wound Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D2996-2015): 8/22/2017

ANSI/ASTM D3241-2017, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2016): 9/1/2017

ANSI/ASTM D3311-2017, Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns (revision of ANSI/ASTM D3311 -2017): 8/22/2017

ANSI/ASTM E3048-2017, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL) Radiant Panel (revision of ANSI/ASTM E3048-2016): 9/1/2017

ANSI/ASTM F438-2017, Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM F438-2017): 8/22/2017

ANSI/ASTM F876-2017, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2017): 8/22/2017

Withdrawal

ANSI/ASTM D2310-2006 (R2012), Classification for Machine-Made Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (withdrawal of ANSI/ASTM D2310-2006 (R2012)): 8/22/2017

AWS (American Welding Society)

Reaffirmation

ANSI/AWS C2.25/C2.25M-2012 (R2017), Specification for Thermal Spray Feedstock-Wire and Rods (reaffirmation of ANSI/AWS C2.25/C2.25M-2012): 9/1/2017

AWWA (American Water Works Association)

New Standard

ANSI/AWWA C810-2017, Replacement and Flushing of Lead Service Lines (new standard): 9/1/2017

Revision

ANSI/AWWA C208-2017, Dimensions for Fabricated Steel Water Pipe Fittings (revision of ANSI/AWWA C208-2012): 9/7/2017

ANSI/AWWA C655-2017, Field Dechlorination (revision of ANSI/AWWA C655-2009): 9/1/2017

DASMA (Door and Access Systems Manufacturers Association)

Revision

* ANSI/DASMA 105-2017, Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors (revision of ANSI/DASMA 105-2014): 9/7/2017

HI (Hydraulic Institute)

Revision

ANSI/HI 11.6-2017, Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure Mechanical, and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2012): 9/1/2017

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1048-2016, Guide for Protective Grounding of Power Lines (new standard): 8/31/2017

ANSI/IEEE 2400-2016, Standard for Wind Turbine Aero Acoustic Noise Measurement Techniques (new standard): 9/1/2017

ANSI/IEEE 2404-2016, Standard for Power Plant De-Nitrogen Oxide (DeNOx) Plate-Type Catalyst (new standard): 9/1/2017

ANSI/IEEE 24748-4-2016, ISO/IEC/IEEE International Standard for Systems and Software Engineering - Life Cycle Management - Part 4: Systems Engineering Planning (new standard): 9/5/2017

ANSI/IEEE 60076-57-1202-2016, IEC/IEEE Approved Draft International Standard Requirements for Liquid Immersed Phase-Shifting Transformers (new standard): 8/31/2017

ANSI/IEEE 60780-323-2016, IEC/IEEE International Standard - Nuclear facilities - Electrical equipment important to safety - Qualification (new standard): 9/5/2017

Revision

ANSI/IEEE C37.123-2016, Guide for Specifications for High-Voltage Gas-Insulated Substations Rated 52 kV and Above (revision of ANSI/IEEE C37.123-1997 (R2008)): 9/5/2017

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

ANSI/NAAMM MBG 531-2017, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2009): 9/7/2017

NSF (NSF International)

Revision

* ANSI/NSF 42-2017 (i87r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015): 4/26/2017

* ANSI/NSF 50-2017 (i129r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 8/31/2017

* ANSI/NSF 53-2017 (i103r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2015): 4/26/2017

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 2900-2-1-2017, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (new standard): 9/1/2017

Revision

ANSI/UL 87A-2017, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2016): 8/31/2017

ANSI/UL 87B-2017, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2016): 9/7/2017

ANSI/UL 464-2017, Standard for Safety for Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 464-2016): 9/5/2017

ANSI/UL 496-2017, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013b): 9/5/2017

ANSI/UL 496-2017a, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013): 9/5/2017

ANSI/UL 985-2017, Standard for Standard for Safety for Household Fire Warning System Units (revision of ANSI/UL 985-2015): 9/5/2017

ANSI/UL 1008A-2017, Standard for Safety for Medium-Voltage Transfer Switches (revision of ANSI/UL 1008A-2012): 9/5/2017

ANSI/UL 1008A-2017a, Standard for Safety for Medium-Voltage Transfer Switches (revision of ANSI/UL 1008A-2012): 9/5/2017

ANSI/UL 1023-2017, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2013a): 9/1/2017

ANSI/UL 1023-2017a, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2013a): 9/1/2017

* ANSI/UL 1261-2017, Standard for Safety for Electric Water Heaters for Pools and Tubs (revision of ANSI/UL 1261-2016a): 9/1/2017

ANSI/UL 1480-2017, Standard for Safety for Speakers for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1480-2016): 9.7.2017

ANSI/UL 1638-2017, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2016): 9/6/2017

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Colleen Elliott*

Fax: (703) 276-0793

E-mail: celliott@aami.org

BSR/AAMI/ISO 11137-1/Amd2-201x, Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices - Amendment 2 (addenda to ANSI/AAMI/ISO 11137-1-2006 (R2015))

Stakeholders: Radiation sterilization professionals.

Project Need: Reduce confusion in subclause 11.2.

Amend section 11.2 to remove the statement at the end of the second sentence so that it reads as follows: “The procedure(s) shall define the requirements (see 9.4.3 or 9.4.4 as appropriate) for designating a sterilization process as conforming." The text that was previously at the end of the sentence is removed: "taking into account the uncertainty of the measurement system(s)."

ABMA (ASC B3) (American Bearing Manufacturers Association)

Office: 330 N. Wabash Avenue
Suite 2000
Chicago, IL 60611

Contact: *James Converse*

Fax: (919) 827-4587

E-mail: jconverse@americanbearings.org

BSR/ABMA/ISO 15242-4-201x, Rolling Bearings - Measuring Methods for Vibration - Part 4: Radial Cylindrical Roller Bearings with Cylindrical Bore and Outside Surface (identical national adoption of ISO 15242-4:2017 and revision of ANSI ABMA/ISO 15242-4-2012)

Stakeholders: Producers and users of rolling bearings.

Project Need: To keep the U.S. standard current with the international standard.

Specifies vibration measuring methods for single-row and double-row radial cylindrical roller bearings, under established test conditions. It covers single-row and double-row radial cylindrical roller bearings with cylindrical bore and outside surface.

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

Office: 351 N. Williamson Boulevard
Daytona Beach, FL 32114

Contact: *Stacy Banker*

E-mail: bankers@apcointl.org

BSR/APCO 1.117.1-201x, Public Safety Communications Center Key Performance Indicators (new standard)

Stakeholders: Public Safety Communications producers, users, and general interest.

Project Need: This standard will identify specific areas of communications center performance, which should be measured in order to benchmark center effectiveness.

To provide communications center management with Key Performance Indicators (KPIs) as they relate to the operational performance of communications centers. Topics may include, but are not limited to: number of 9-1-1 calls, time to answer, number of emergency/non-emergency incidents, number of abandoned calls, length of call, wired/wireless/text/TDD/TTY and Next Generation sessions, trunk group, number of calls transferred, police/fire/EMS calls handled, customer satisfaction, and frequency of review.

BSR/APCO 3.111.1-201x, Core Competencies and Minimum Training Standards for the Public Safety Crisis Intervention Telecommunicator (new standard)

Stakeholders: Public Safety Communications producers, users, and general interest.

Project Need: This standard will provide guidance in the training of Telecommunicators for handing calls from citizens in crisis. Developing adequate knowledge and skills is integral to providing necessary services to citizens and responders, increasing responder and citizen safety, and appropriately caring for those in mental crisis.

To ensure a minimum level of appropriate knowledge skills and abilities for Telecommunicators when handling callers experiencing mental crisis. To include, but not limited to, symptoms and treatments of mental illness, de-escalation skills, and commonly used community resources available.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Fax: (212) 591-8501

E-mail: ansibox@asme.org

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

Stakeholders: Manufacturers, dimensional metrology, laboratory.

Project Need: Create a standard for evaluating the uncertainty of test values of dimensional measuring instruments.

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

AWS (American Welding Society)

Office: 8669 NW 36th Street, #130
Miami, Florida 33166-6672

Contact: *Annik Babinski*

Fax: (305) 443-5951

E-mail: ababinski@aws.org

BSR/AWS D17.1/D17.1M-201x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2017)

Stakeholders: The Aerospace industry and all subcontractors will use this specification for welder certification, inspection, and acceptance of all welded aerospace production hardware.

Project Need: This revision will address specific issues that have developed since the original document was issued.

This specification provides the general welding requirements for welding aircraft and space hardware. It includes but is not limited to the fusion welding of aluminum-based, nickel-based, iron-based, cobalt-based, magnesium-based, and titanium-based alloys using electric arc and high-energy-beam processes. There are requirements for welding design, personnel and procedure qualification, inspection, and acceptance criteria for aerospace, support, and non-flight hardware. Additional requirements cover repair welding of existing hardware. A commentary for the specification is included.

ICC (International Code Council)

Office: 4051 West Flossmoor Road
Country Club Hills, IL 60478-5795

Contact: *Edward Wirtschoreck*

Fax: (708) 799-0320

E-mail: ewirtschoreck@iccsafe.org

BSR/ICC 300-201x, ICC Standard on Bleachers, Folding and Telescopic Seating, and Grandstands (revision of ANSI/ICC 300 -2012)

Stakeholders: Design professionals; manufacturers and constructors; and building, fire, and other government officials.

Project Need: To update the standard to be consistent with current egress requirements and industry practices.

The purpose of the effort is the development of appropriate, reasonable, and enforceable model health and safety provisions for new and existing installations of all types of bleachers and bleacher-type seating, including fixed and folding bleachers for indoor, outdoor, temporary and permanent installations. Such provisions would serve as a model for adoption and use by enforcement agencies at all levels of government in the interest of national uniformity.

NEMA (ASC C50) (National Electrical Manufacturers Association)

Office: 1300 N 17th St, Suite 900
Rosslyn, VA 22209

Contact: *Mike Leibowitz*

Fax: (703) 841-3364

E-mail: mike.leibowitz@nema.org

BSR/NEMA MG 1-201x, Motors and Generators (revision of ANSI/NEMA MG-1-2011)

Stakeholders: Motor manufacturers, utilities, original equipment manufacturers.

Project Need: To revise the existing standard with new and revised technical information relating to small motor efficiencies and KW ratings.

Assists users in the proper selection and application of motors and generators. Practical information concerning performance, safety, test, construction, and manufacture of ac and dc motors and generators.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341-1318

Contact: *Rebecca Yaletchko*

E-mail: ryaletchko@scte.org

BSR/SCTE EMS-004-3-201x, Key Performance Metrics: Energy Efficiency & Functional Density of Wi-Fi Infrastructure Equipment (new standard)

Stakeholders: Cable Telecommunication industry.

Project Need: Create new standard.

This document defines how to use a standard methodology to measure the density of hardware to meet the needs of optimizing critical space, as well as measuring energy consumption for the various network element classes. This part of the series focuses on indoor critical facility Wi-Fi equipment types, Gateway Servers, and Wi-Fi Controllers as well as outdoor strand-mounted Wi-Fi Access Points.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
Association for the Advancement of Medical Instrumentation
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8261
Fax: (703) 276-0793
Web: www.aami.org

ABMA (ASC B3)
American Bearing Manufacturers Association
330 N. Wabash Avenue
Suite 2000
Chicago, IL 60611
Phone: (919) 481-2852
Fax: (919) 827-4587
Web: www.americanbearings.org

ABYC
American Boat and Yacht Council
613 Third Street
Suite 10
Annapolis, MD 21403
Phone: (410) 990-4460
Fax: (410) 990-4466
Web: www.abycinc.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Fax: (708) 579-8248
Web: www.ans.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153
Web: www.apcoIntl.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASIS
ASIS International
1625 Prince Street
Alexandria, VA 22314-2818
Phone: (703) 518-1439
Fax: (703) 518-1517
Web: www.asisonline.org

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

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
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AWS
American Welding Society
8669 NW 36th Street, #130
Miami, Florida 33166-6672
Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

CSA
CSA Group
8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

DASMA
Door and Access Systems Manufacturers Association
1300 Sumner Avenue
Cleveland, OH 44115
Phone: (216) 241-7333
Fax: (216) 241-0105

HI
Hydraulic Institute
6 Campus Drive
Parsippany, NJ 07054
Phone: (973) 267-9700
Fax: (973) 267-9055
Web: www.pumps.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

NAAMM
National Association of Architectural Metal Manufacturers
123 College Place
#1101
Norfolk, VA 23510
Phone: (757) 489-0787
Web: www.naamm.org

NEMA (ASC C50)
National Electrical Manufacturers Association
1300 N 17th St, Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3264
Fax: (703) 841-3364
Web: www.nema.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.org

RESNET
Residential Energy Services Network, Inc.
4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860
Fax: (760) 806-9449
Web: www.resnet.us.com

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341-1318
Phone: (484) 252-2330
Web: www.scte.org

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3198
Fax: (847) 664-3198
Web: www.ul.com

ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 17410, Microbiology of the food chain - Horizontal method for the enumeration of psychrotrophic microorganisms - 11/25/2017, $46.00

ISO/DIS 20636, Infant formula and adult nutritionals - Determination of vitamin D by liquid chromatography-mass spectrometry - 10/2/2017, $77.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 19475-3, Document management applications - Minimum requirements for the storage of documents - Part 3: Disposal - 11/25/2017, $40.00

EARTH-MOVING MACHINERY (TC 127)

ISO 7135/DAmd1, Earth-moving machinery - Hydraulic excavators - Terminology and commercial specifications - Amendment 1 - 10/1/2017, $29.00

ISO/DIS 20474-15, Earth-moving machinery - Safety - Part 15: Requirements for compact tool carriers - 11/27/2017, $58.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 22146, Carbonate liming materials - Determination of reactivity - Automatic titration method with citric acid - 11/30/2017, $62.00

GAS CYLINDERS (TC 58)

ISO 21172-1/DAmd1, Gas cylinders - Welded steel pressure drums up to 3 000 litres capacity for the transport of gases - Design and construction - Part 1: Capacities up to 1 000 litres - Amendment 1 - 10/1/2017, $29.00

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

ISO/DIS 21809-11, Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 11: Coating repairs on rehabilitation - 11/25/2017, $119.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 11929-1, Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Fundamentals and application - Part 1: Elementary applications - 11/25/2017, $119.00

ISO/DIS 11929-2, Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Part 2: Advanced applications - 11/25/2017, $112.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 21545, Paints and varnishes - Determination of settling - 9/28/2017, $33.00

ISO/DIS 2812-5, Paints and varnishes - Determination of resistance to liquids - Part 5: Temperature-gradient oven method - 9/28/2017, $46.00

ISO/DIS 4623-1, Paints and varnishes - Determination of resistance to filiform corrosion - Part 1: Steel substrates - 9/28/2017, $40.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 7590, Steel cord conveyor belts - Methods for the determination of total thickness and cover thickness - 10/1/2017, $46.00

ROAD VEHICLES (TC 22)

ISO/DIS 8820-6, Road vehicles - Fuse-links - Part 6: Single-bolt fuse-links - 11/26/2017, $58.00

SECURITY (TC 292)

ISO/DIS 22320, Security and resilience - Emergency management - Guidelines for incident management - 10/2/2017, $82.00

ISO/DIS 22326, Security and resilience - Emergency management - Guidelines for monitoring facilities with identified hazards - 10/1/2017, $58.00

ISO/DIS 22380, Security and resilience - Authenticity, integrity and trust for products and documents - General principles for product fraud risk and countermeasures - 10/1/2017, $71.00

ISO/DIS 22395, Security and resilience - Community resilience - Guidelines for supporting community response to vulnerable people - 9/30/2017, $58.00

STEEL (TC 17)

ISO/DIS 10893-6, Non-destructive testing of steel tubes - Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections - 10/1/2017, $62.00

ISO/DIS 10893-7, Non-destructive testing of steel tubes - Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections - 10/2/2017, $77.00

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

ISO/DIS 14617, Graphical symbols for diagrams - 9/30/2017, $194.00

TEXTILES (TC 38)

ISO/DIS 20615, Fibre ropes - Electrostatic surface potential measuring method - 11/25/2017, $71.00

ISO/DIS 20920, Textiles - Man-made fibres - Determination of dye-uptake of cationic dyeable modified polyester fibres - 11/25/2017, $46.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 20112-1, Tractors and machinery for agriculture and forestry - Camera interface between tractor and implement - Part 1: Analogue camera interface - 11/27/2017, $46.00

VACUUM TECHNOLOGY (TC 112)

ISO/DIS 20146, Vacuum technology - Vacuum gauges - Specifications, calibration and measurement uncertainties for capacitance diaphragm gauge - 11/25/2017, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23009-4, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 4: Segment encryption and authentication - 11/25/2017, $98.00

IEC Standards

C/2060/DV, ISO/IEC Draft Guide 41, Packaging - Recommendations for addressing consumer needs, /2017/12/2

3/1333/CD, IEC 61293 ED2: Marking of electrical equipment with ratings related to electrical supply - Safety requirements, 2017/11/3

7/670/CD, IEC TR 61597 ED2: Overhead electrical conductors - Calculation methods for stranded bare conductors, 2017/11/3

9/2317/FDIS, IEC 62928 ED1: Railway applications - Rolling stock - Onboard lithium-ion traction batteries, /2017/10/2

20/1746/CDV, IEC 60811-501/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, 2017/12/1

28/252/CD, IEC 60071-1 ED9: Insulation co-ordination - Part 1: Definitions, principles and rules (Proposed horizontal standard), 2017/12/1

37A/305/CD, IEC 61643-12 ED3: Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles, 2017/11/3

46A/1338/FDIS, IEC 61196-1-206 ED2: Coaxial communication cables - Part 1-206: Environmental test methods - Climatic sequence, /2017/10/2

48B/2594/NP, PNW 48B-2594: IEC 6XXXX/ED.1: Connectors for electronic equipment - Part 1: Copper LC style connector for use with 1-pair balanced twisted pair cabling, 2017/11/3

48B/2575/CDV, IEC 61076-3-123 ED1: Connectors for electronic equipment - Product requirements - Part 3-123: Rectangular connectors - Detail specification for hybrid connectors for industrial environments, for power supply and fibre optic data transmission, with push-pull locking, 2017/12/1

59F/328/CD, IEC 62885-5 ED1: Surface cleaning appliances - Part 5: High pressure cleaners and steam cleaners - Methods of measuring the performance, 2017/12/1

62D/1526/NP, PNW TS 62D-1526: Non-invasive sphygmomanometers - Part 5: Requirements for the repeatability and reproducibility of NIBP simulators for testing, 2017/12/1

65B/1100/FDIS, IEC 62828-1 ED1: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 1: General procedures for all types of transmitters, /2017/10/2

69/529/DTS, IEC TS 61980-2 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 2 specific requirements for communication between electric road vehicle (EV) and infrastructure with respect to wireless power transfer (WPT) systems, 2017/12/1

76/585/DTR, IEC TR 60825-5 ED3: Safety of laser products - Part 5: Manufacturer's checklist for IEC 60825-1, 2017/11/3

80/855/CDV, IEC 61993-2 ED3: Maritime navigation and radiocommunication equipment and systems - Automatic identification systems (AIS) - Part 2: Class A shipborne equipment of the automatic identification system (AIS) - Operational and performance requirements, methods of test and required test results, 2017/12/1

86A/1816/CDV, IEC 60794-4-20 ED2: Optical fibre cables - Part 4-20: Aerial optical cables along electrical power lines - Family specification for ADSS (All Dielectric Self Supported) Optical cables, 2017/12/1

86B/4095/CD, IEC 61300-2-6 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism, 2017/12/1

100/2968/CDV, IEC 62680-1-2 ED3: Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification, 2017/12/1

CIS/B/687/CDV, Amendment 2 Fragment 1 to CISPR 11 Ed. 6: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT), 2017/12/1

Newly Published ISO & IEC Standards

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

ISO Standards

BUILDING CONSTRUCTION (TC 59)

ISO 9836:2017, Performance standards in building - Definition and calculation of area and space indicators, $138.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 25178-71:2017, Geometrical product specifications (GPS) - Surface texture: Areal - Part 71: Software measurement standards, $68.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 7240-18:2017, Fire detection and alarm systems - Part 18: Input/output devices, $103.00

ISO 7240-22:2017, Fire detection and alarm systems - Part 22: Smoke-detection equipment for ducts, $185.00

FINE CERAMICS (TC 206)

ISO 20351:2017, Fine ceramics (advanced ceramics, advanced technical ceramics) - Absolute measurement of internal quantum efficiency of phosphors for white light emitting diodes using an integrating sphere, $68.00

ISO 20407:2017, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for interfacial tensile and shear fatigue properties of ceramic joining loaded in constant amplitude at room temperature, $68.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 2063-1:2017, Thermal spraying - Zinc, aluminium and their alloys - Part 1: Design considerations and quality requirements for corrosion protection systems, $162.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 11365:2017, Petroleum and related products - Requirements and guidance for the maintenance of triaryl phosphate ester turbine control fluids, $138.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 17100/Amd1:2017, Translation services - Requirements for translation services - Amendment 1, $19.00

ISO Technical Specifications

DENTISTRY (TC 106)

ISO/TS 19736:2017, Dentistry - Bonding test between polymer teeth and denture base materials, $45.00

NANOTECHNOLOGIES (TC 229)

ISO/TS 80004-13:2017, Nanotechnologies - Vocabulary - Part 13: Graphene and related two-dimensional (2D) materials, $45.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 17444-1:2017, Electronic fee collection - Charging performance - Part 1: Metrics, $138.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14651/Amd1:2017, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering - Amendment 1, $19.00

ISO/IEC/IEEE 24765:2017, Systems and software engineering - Vocabulary, $232.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC 62807-1 Ed. 1.0 b:2017, Hybrid telecommunication cables - Part 1: Generic specification, $23.00

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

IEC 62056-6-2 Ed. 3.0 b:2017, Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes, $410.00

IEC Technical Specifications

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC/TS 63049 Ed. 1.0 en:2017, Terrestrial photovoltaic (PV) systems - Guidelines for effective quality assurance in PV systems installation, operation and maintenance, $199.00

IEC/TS 62788-7-2 Ed. 1.0 en:2017, Measurement procedures for materials used in photovoltaic modules - Part 7-2: Environmental exposures - Accelerated weathering tests of polymeric materials, $199.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

ORSUS

Public Review: August 11 to November 9, 2017

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge.

A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

SCTE is currently seeking to broaden the membership base of its 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.

ANSI Accredited Standards Developers

Approval of Reaccreditation

BISCI – Advancing the Information and Communication Technology Community

The reaccreditation of BICSI – Advancing the Information and Communication Technology Community, an ANSI member and Accredited Standards Developer (ASD) has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on BICSI-sponsored American National Standards, effective September 7, 2017. For additional information, please contact: Mr. Jeff Silveira, CAE, RITP, Director of Standards, BICSI, 8610 Hidden River Parkway, Tampa, FL 33637; phone: 813.903.4712; e-mail: jsilveira@bicsi.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 285 – Clean Cookstoves and Clean Cooking Solutions

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 285 – Clean cookstoves and clean cooking solutions. ANSI directly administers the Secretariat for ISO/TC 285 with the support of the United Nations Foundation. The United Nations Foundation has advised ANSI to relinquish its role as Secretariat for this committee.

ISO/TC 285 operates under the following scope:

> Standardization in the field of cookstoves and clean cooking solutions.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/TC 285. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accepts to direct administration of an ISO secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 285 secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the secretariat role.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at (isot@ansi.org).

Call for U.S. TAG Administrator

ISO/TC 285 – Clean Cookstoves and Clean Cooking Solutions

Currently, ANSI holds a leadership position as U.S. TAG administrator of ISO/TC 285 – Clean cookstoves and clean cooking solutions. ANSI directly administers the U.S. TAG for ISO/TC 285 with the support of the United Nations Foundation. The United Nations Foundation has advised ANSI to relinquish its role as TAG administrator for this committee.

ISO/TC 285 operates under the following scope:

Standardization in the field of cookstoves and clean cooking solutions.

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

ISO New Work Item Proposals

Community Scale Resource Oriented Sanitation Treatment Systems

Comment Deadline: September 29, 2017

ANSI, working with the Bill and Melinda Gates Foundation, intends to submit to ISO a New Work Item Proposal on the subject of Community scale resource oriented sanitation treatment systems, with the following scope statement:

The International Standard will define requirements and test methods to ensure safety, performance, and sustainability of community-scale resource-oriented fecal sludge treatment units that serve approximately 1,000 to 100,000 people. The standard will apply to treatment units that (a) primarily treat human excreta, (b) are able to operate in non-sewered and off-grid environments, and (c) are prefabricated. The standard will not apply to sanitation treatment units requiring sewer infrastructure or electric grid access. Additionally, treatment units to which the standard will apply exhibit resource recovery capability (e.g., energy, drinking water, fertilizer) and are capable of being energy independent or energy net positive.

The standard is intended to ensure the general performance, safety, and sustainability of such units. The standard will exclude installation, selection, and maintenance and operation of such units.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org) with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, September 29, 2017.

Privacy by Design for Consumer Goods and Services

Comment Deadline: October 27, 2017

COPOLCO, ISO consumer policy committee, along with BSI, the ISO member from the UK, has submitted to ISO a new work item proposal for the development of an ISO standard on Privacy by design for consumer goods and services, with the following scope statement:

Specification of the design process to provide consumer goods and services that meet consumers' domestic processing privacy needs as well as the personal privacy requirements of Data Protection.

In order to protect consumer privacy the functional scope includes security in order to prevent unauthorized access to data as fundamental to consumer privacy, and consumer privacy control with respect to access to a person's data and their authorized use for specific purposes.

The process is to be based on the ISO 9001 continuous quality improvement process and ISO 10377 product safety by design guidance, as well as incorporating privacy design JTC1 security and privacy good practices, in a manner suitable for consumer goods and services.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 27, 2017.

Transfer of Secretariat

ISO/TC 106/SC 8 – Dental implants

Comment Deadline: September 21, 2017

The American Dental Association (ADA) has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 106/SC 8 secretariat to the FDA Center for Device and Radiological Health (FDA CDRH). The secretariat was previously held by ADA and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 106/SC 8 develops standards in the field of Dental Implants under the scope of ISO/TC 106:

Standardization in oral health care including:

- terms and definitions;
- performance, safety, and specification requirements of dental products; and
- clinically relevant laboratory test methods, all of which contribute to improved global health.

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

Transfer of U.S. TAG Administrator

U.S. TAG to ISO TC 204 – Intelligent Transport Systems

Comment Deadline: September 25, 2017 (extended from September 8)

The U.S. Technical Advisory Group (TAG) to ISO TC 204, Intelligent Transport Systems, has voted to approve the transfer of TAG Administrator responsibilities from the Intelligent Transportation Society of America (ITSA) to SAE International. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities (Annex A of the ANSI International Procedures). Please submit any comments on this action by September 25, 2017 to: Mr. Jack Pokrzywa, Director, SAE Global Ground Vehicle Standards; 755 West Big Beaver Road, Suite 1600, Troy, MI 48084; phone: 248.273.2460; E-mail: Jack.Pokrzywa@sae.org (please copy jthompso@ansi.org). If no comments are received, this action will be formally approved, effective September 26, 2017.

Information Concerning

International Organization for Standardization

ISO New Work Item Proposal

Indirect, Temperature-Controlled Refrigerated Delivery Services – Land Transport of Parcels with Intermediate Transfer

Comment Deadline: October 27, 2017

JISC, the ISO member body for Japan, has submitted to ISO a new work item proposal for the development of an ISO standard on Indirect, temperature-controlled refrigerated delivery services – Land transport of parcels with intermediate transfer, with the following scope statement:

> *This standard specifies requirements for the provision and operation of indirect, temperature-controlled refrigerated delivery services for refrigerated parcels (which might contain temperature-sensitive goods like food, plants, chemical products and cosmetics) in land transport refrigerated vehicles. It includes all refrigerated delivery service stages from the acceptance (receipt) of a refrigerated parcel from its delivery service user all the way to its delivery at the designated destination, including intermediate transfer of the refrigerated parcels between refrigerated vehicles and via geographical routing. This standard also includes requirements for resources, operations and communications to delivery service users. It is intended for application by refrigerated delivery service providers.*
>
> *It does not cover requirements for refrigerated parcel delivery via the modes of transport by airplane, ship and train. It also does not cover separate requirements for refrigerated parcels that may be transported in ambient temperatures due to the fact that they contain their own refrigeration materials (e.g. ice packs, refrigerated foam bricks, dry ice blocks) and are surrounded and enclosed by sealed thermoprotective packaging that creates a separate refrigerated climate to that provided within the delivery service. However, these types of refrigerated parcels may be transported through a refrigerated delivery service.*
>
> *It does not cover direct refrigerated courier services in which refrigerated parcels are collected from the delivery service user and transported directly to a recipient without in-transit transfer. It does not cover requirements for the quality or specifically for measuring the temperature of the contents of the refrigerated parcels being delivered and their pre-point of receipt state, but does set the requirements for the refrigerated delivery service carrying them. It also does not cover the transport of medical devices and medical equipment.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 27, 2017.

BSR/ASHRAE Standard 23.1-2010R

Public Review Draft

Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant

Second Public Review (September 2017)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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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Background. The first 23.1-2010R full public review (PPR1) that ended on April 17, 2017, had no public review comments. Since then, ASHRAE editors and publication staff have begun the publication process for 23.1-2017.

However, one of the SPC 23.1 voting members discovered that two key sections were inadvertently omitted from the 23.1-2010R PPR1 draft. Correcting that error of omission is the subject of this 23.1-2010R Independent Substantive Change (ISC) Publication Public Review (PPR) draft.

Note that in this 23.1-2010R ISC PPR draft, changes to 23.1-2010R PPR1 draft are indicated in the text by underlining for additions, and by ~~strikethroughs~~ for deletions.

A newly added Section 7.5 has been inserted into the document as shown below (with the subsequent paragraphs renumbered):

7.5 Test Conditions and Limits

7.5.1 Where power input is determined by electrical power measurement, set and maintain the voltage for each phase at the motor terminal within ±1% of the voltage specified in the test plan in Section 5.1.

7.5.2 Where power input is determined by shaft power measurement, set and maintain the shaft speed within ±1% of the speed specified in the test plan.

7.5.3 Where power input is determined by the load setting on a variable-speed compressor or on a pulse-width modulated compressor, set and maintain the load within ±1% of the load specified in the test plan.

7.5.4 Set and maintain the compressor ambient air temperature within ±4 ºC (±7 ºF) of the value specified in the test plan.

7.5.5 Unless otherwise specified in the test plan or required for ambient air temperature control in Section 7.5.4, airflow from a fan shall not be directed onto the compressor.

***Informative Note*:** Air circulation specifications in the test plan may include volumetric airflow rate, air velocity, temperature, or airflow orientation with respect to the compressor.

7.5.6 Set and maintain the compressor suction pressure within ±1% of the absolute compressor suction pressure specified in the test plan.

7.5.7 Set and maintain the suction superheat within ±1 K (±1.8 ºR) of the superheat specified in the test plan.

7.5.8 Vapor or liquid injection shall be performed according to the manufacturer's instructions with respect to pressure, temperature, quality, and refrigerant mass flow rate at the injection location.

7.5.9 Set and maintain the compressor discharge pressure within ±1% of the absolute compressor discharge pressure specified in the test plan.

7.5.10 The UUT manufacturer's requirements for the compressor break-in procedure shall be performed prior to any test data recording unless otherwise specified in the test plan.

A newly added Section 9.5 has been inserted into the document as shown below (with the subsequent paragraphs renumbered):

9.5 Test Conditions and Limits

9.5.1 Where power input is determined by electrical power measurement, set and maintain the voltage for each phase at the motor terminal within ±1% of the voltage specified in the test plan in Section 5.1.

9.5.2 Where power input is determined by shaft power measurement, set and maintain the shaft speed within ±1% of the speed specified in the test plan.

9.5.3 Where power input is determined by the load setting on a variable-speed compressor or on a pulse-width modulated compressor, set and maintain the load within ±1% of the load specified in the test plan.

9.5.4 Set and maintain the compressor ambient air temperature within ±4 ºC (±7 ºF) of the value specified in the test plan.

9.5.5 Unless otherwise specified in the test plan or required for ambient air temperature control in Section 9.5.4, airflow from a fan that is not integral to the UUT shall not be directed onto the compressor.

***Informative Note*:** Air circulation specifications in the test plan may include volumetric airflow rate, air velocity, temperature, or airflow orientation with respect to the compressor.

9.5.6 Set and maintain the compressor suction pressure within ±1% of the absolute compressor suction pressure specified in the test plan.

9.5.7 Set and maintain the superheat within ±1 K (±1.8 ºR) of the superheat specified in the test plan.

9.5.8. Vapor or liquid injection shall be performed according to the manufacturer's instructions with respect to pressure, temperature, quality, and refrigerant mass flow rate at the injection location.

9.5.9 Set and maintain the compressor discharge pressure within ±1% of the absolute compressor discharge pressure specified in the test plan.

9.5.10 The UUT manufacturer's requirements for the compressor break-in procedure shall be performed prior to any test data recording unless otherwise specified in the test plan.

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Revision to NSF/ANSI 49-2016
Issue 47, Draft 5 (September 2017)

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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3 Definitions

3.4 biosafety cabinet nominal width: The interior sidewall to sidewall width. The cabinet nominal width is expressed in 1 foot increments for cabinets with an interior sidewall to sidewall width greater than 33 inches. Cabinets with an interior sidewall to sidewall width of 33 inches or less are classified to the nearest half-foot. This definition is provided for the purpose of determining the required downflow velocity grid spacing requirements, ~~and~~ personnel protection slit sampler positioning, and cross contamination test requirements.

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Annex A
(normative)

Performance tests

A.6.5 Cross-contamination test (system challenged by 1 x 10^4 to 8 x 10^4 *B. subtilis* spores for 5 min)

A.6.5.1 Method

A.6.5.1.1~~a~~) Set the cabinet at the nominal set point airflow velocities. Tests are completed from one side wall and the center or from both side walls, depending on biosafety cabinet nominal width. The center test is completed on cabinets with a biosafety cabinet nominal width greater than 3 feet. Both side walls are tested on cabinets with a biosafety cabinet nominal width of 3 feet or less.

A.6.5.1.2 For cabinets with a biosafety cabinet nominal width greater than 3 feet, determine the worst-case side wall using a visible medium (i.e. cold smoke). At the side being tested, position the smoke source on front-to-back centerline of the work surface at the side wall, 6 inches (150 mm) above the work surface, with the smoke directed downward. Slowly move the smoke source towards the geometric center of the work surface. Note the point at which approximately half of the smoke is not directly recaptured at the side wall. Compare this point to the one obtained from the other side wall. The side with the shorter distance from the sidewall to its respective point is deemed the worst case. For cabinets with a biosafety cabinet nominal width of 3 feet or less, start against the left side wall.

A.6.5.1.3 Side wall test

~~b~~a) Position the horizontal spray axis of the nebulizer containing 55 ml of 5 x 10^4 to 8 x 10^4 spores/ml 3.0 – 5.0 inches (76 – 130 mm) above the work surface, with the back of the nebulizer located against the midpoint of the ~~left~~ interior side wall selected in A.6.5.1.2. The spray axis shall be parallel to the work surface and directed toward the opposite sidewall.

~~c~~b) Place open agar settling plates (100 x 15 mm) on the work surface in the following manner (see Annex A, figure A10):

— two rows of control plates with the centerline under the outlet of the nebulizer;

— one row of plates with their centers on a line drawn front to back 14 inches (360 mm) from the side wall being tested; and

— at least one more row of plates nested beyond the 14 inches (360 mm) row; two rows when there is room.

~~d~~c) Start the nebulizer. After 5 min, stop the nebulizer.

~~e~~d) After ~~1~~5 min, place the covers on the open agar plates. Incubate the plates at 97.0 ± 2°F (36.1 ± 1°C) and read at 44 – 48 h. If plates are overgrown with a contaminant other than the challenge organism, the test shall be considered invalid and retested.

Rationale: 15 minutes is much longer than needed. If spores will remain circulating within the work area after only a few minutes, the cabinet will fail the Airflow Smoke Patterns test. 5 minutes is more than long enough to wait after turning off the nebulizer. This seems like a good time to change this.

f) For cabinets with a biosafety cabinet nominal width of 3 feet or less, ~~P~~perform the same procedure [a) to e)], but place the nebulizer against the midpoint of the right interior wall.

A.6.5.1.4 Center test

a) The center test is completed only on cabinets with a biosafety cabinet nominal width of greater than 3 feet. Reposition the nebulizer used in A.6.5.1.3 such that the axis of the reservoir is positioned over the geometric center of the work surface with the nebulizer facing the left side wall. The center of the nebulizer barrel shall be positioned at the same height as the top of the cabinet access opening. Either start with fresh suspension or top off the nebulizer used in A.6.5.1.3. Top off by adding approximately 5 mL of additional suspension and uniformly mix the suspension in the reservoir. After moving and topping off the nebulizer, perform a thorough surface decontamination of the entire work surface and side wall used for the side wall test. The axis of a 2.5 inch (63 mm) outside diameter cylinder, with closed ends, shall be centered side to side in the work area with the axis of the cylinder 2.75 inches (70 mm) above the work surface. One end shall butt against the back wall of the work area and the other end shall extend at least 6.0 inches (150 mm) into the room through the front opening of the cabinet.

b) Place open agar settling plates (100 x 15 mm) on the work surface in rows. Center one row under the nebulizer along the cabinet front to rear center line. Place two rows to the left side of the center row of plates. The stand for the nebulizer may interfere with plates in the middle. It is acceptable to leave plates out in the middle where this happens since these are control plates used to demonstrate recovery only. If the manufacturer or test agency is aware that adequate control recovery cannot be demonstrated from these three rows of plates alone, additional plates may be added, as instructed by the manufacturer. Placement of additional positive control plates shall be limited to the area directly above the 3 rows of control plates and the area under the front intake

grille near the center of the cabinet (similar to personnel and product protection control plate placement). Apparatus used to suspend plates higher within this zone shall be installed in a manner that minimizes any disturbances to airflow. Place a row of plates with the edge of the plates 14 inches (360 mm) from the cabinet center line. Place additional rows of plates behind these, as cabinet size will allow, up to a maximum of 4 rows total. When the size of the cabinet does not allow for 4 rows on each side, place as many rows as will fit. Each row of plates shall be centered from front to rear on the work surface. Rows of plates shall touch each other but not be nested, as they are for the side wall cross contamination test.

c) Start the nebulizer. After 5 min, stop the nebulizer.

d) After 5 min, place the covers on the open agar plates. Incubate the plates at 98.6 °F (37.0 °C) and examine them at 44 – 48 h.

e) Three replicate tests shall be completed.

f) Repeat steps a) through e) but with the nebulizer facing the right sidewall of the cabinet and plates positioned on the right side of the cabinet. After repositioning, top off the nebulizer as in step a) and then perform a thorough surface decontamination of the entire work surface before placing any fresh plates.

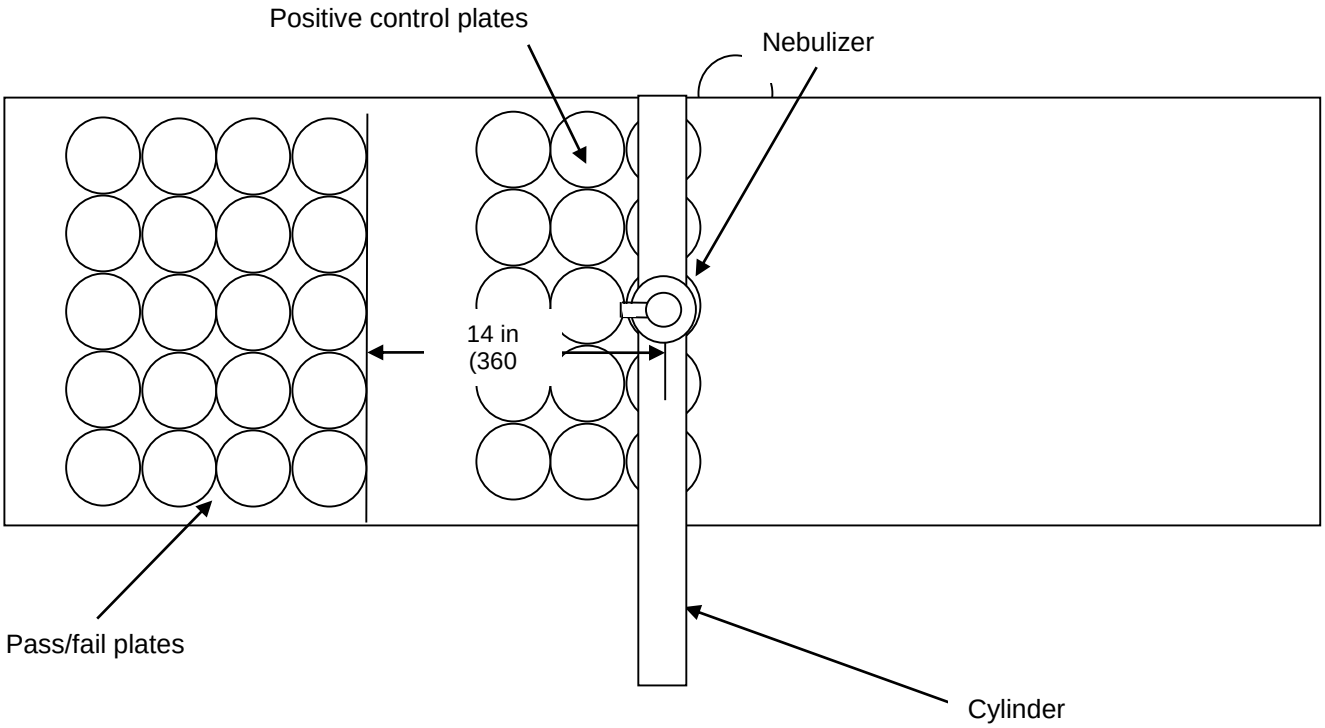
A.6.5.2 Acceptance

A.6.5.2.1 Side wall test

Some agar plates, from the challenge sidewall to 14 inches (360 mm) from the sidewall, will recover *B. subtilis* CFU and shall be used as positive controls. The total number of CFU recovered on agar plates with centers greater than 14 inches (360 mm) shall not exceed 2 CFU per test. ~~Three replicates each shall be performed from the left and right sides of the cabinet.~~

A.6.5.2.2 Center test

Some agar plates, from the three rows positioned under the nebulizer, will recover *B. subtilis* CFU and shall be used as positive controls. The total number of CFU recovered on agar plates greater than 14 inches (360 mm) from the cabinet center line shall not exceed 5 CFU per test.



[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed revised text. ONLY the highlighted text and strikeout text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication].

NSF International Standard
for Food Equipment —

Glossary of food equipment terminology

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3 Definitions

3.2 air gap: The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device and the flood level rim of that receptacle.

3.3 air curtain: A device that delivers a vertical stream of air across an opening for the purpose of keeping tempered air from moving out of the building and insects from moving into the building.

3.4 air curtain protected openings:

3.4.1 customer entry: Exterior passage for entrance into an establishment primarily intended for customers

3.4.2 service entry: an exterior passage for entrance into an establishment primarily intended for employees and the delivery of supplies.

3.4.3 service window: an exterior opening in the wall of an establishment primarily intended to pass finished goods to customers.

3.5 airstream: The directed flow of air generated by an air curtain assembly

3.6 airstream discharge nozzle: The slot from which the airstream exits the air curtain assembly

3.~~3~~7 ambient temperature: The temperature of a surrounding medium such as air, gas, or a liquid that comes into contact with items such as equipment, devices, instruments, and food.

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3.121 manual cleaning: Cleaning by hand with appropriate cleaning tools.

3.122 maximum effective airstream height: Manufacturer specified value indicating the maximum height of the airstream in compliance with the applicable performance test protocol in section 6. This value is measured from the bottom of the airstream discharge nozzle.

3.123 maximum effective airstream width: Manufacturer specified value indicating the maximum width of the airstream in compliance with the applicable performance test protocol in section 6.

3.1224 mechanical sanitization: The process of sanitizing product contact surfaces by circulating or passing sanitizing solutions throughout a system that has previously been disassembled and manually cleaned and sanitized.

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Rationale: These definitions were approved in the 2017 publication of Standard 37 *Air Curtains for Entranceways in Food and Food Service Establishments* and are now being added to the *Glossary for Food Equipment Terminology Standard* for consistency. No changes are being made to the language itself; only the location of the definitions. Pending approval of this ballot, a later ballot will remove the terms from Standard 37.

Subsequent definitions alphabetically positioned after the added terms will have their respective reference numbers increased accordingly.

NSF International Standard
for Dietary Supplements —

Dietary supplements

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2 Normative references

The following documents contain provisions that, through reference in this text, constitute provisions of this Standard. At the time this Standard was written, the editions indicated were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the most recent edition of the document indicated below.

AHP, American Herbal Pharmacopoeia and Therapeutic Compendium, *St. John's Wort*, July 1997[4]

AHP, American Herbal Pharmacopoeia and Therapeutic Compendium, *Schisandra Berry*, October 1999[4]

AHP, American Herbal Pharmacopoeia and Therapeutic Compendium, *Valerian Root*, April 1999[4]

AHP, American Herbal Pharmacopoeia and Therapeutic Compendium, *Willow Bark*, December 1999[4]

AHPA, *Herbs of Commerce*, 2nd Edition, 2000[1]

AOAC, *Official Methods of Analysis*, ~~18th edition (2005)~~ 20th edition (2016)[2]

AOAC Guidelines for Single Laboratory Validation of Chemical Methods for Dietary Supplements and Botanicals, 2002[2]

AOAC/FDA, *Bacteriological Analytical Manual*, (BAM) 8th edition, 1998[2]

AOCS Official Method Cd 18-90, *p-Anisidine Value*, *Sampling and Analysis of Commercial Fats and Oils*, 1997[3]

BHMA, *British Herbal Pharmacopeia* (BHP), 1996[4]

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[1] American Herbal Products Association, 8630 Fenton St., Suite 918, Silver Spring, MD 20910 <www.ahpa.org>.

[2] AOAC International, 481 N. Frederick Avenue, Suite 500, Gaithersburg, MD 20877 <www.aoac.org>.

[3] American Oil Chemists' Society, 2710 S. Boulder, Urbana, IL 61802 <www.aocs.org>.

[4] British Herbal Medicine Association, P.O. Box 583, Exeter EXI 96X UK <www.bhma.info>.

NSF/ANSI 350 - 2017
Onsite Residential and Commercial Water Reuse Treatment Systems

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8 Performance testing and evaluation

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8.1.2.1.1 Graywater challenge water: Systems treating bathing source water

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The 30-d average concentration of the bathing water delivered to the system shall be as follows:

Parameter	Required range
TSS	50 – 100 mg/L
BOD_5	100 – ~~180~~ 200 mg/L
temperature	25 – 35 °C
pH	6.0 –7.5
turbidity	30 – 70 NTU
total phosphorous – P	1.0 – 4.0 mg/L
total Kjeldahl nitrogen – N	3.0 – 5.0 mg/L
COD	200 – 400 mg/L
~~TOC~~	~~30 – 60 mg/L~~
total coliforms	10^3 – 10^4 cfu/100 mL
E. coli (Escherichia coli – ATCC[1] 11775)	10^2 – 10^3 cfu/100 mL

8.1.2.1.2 Graywater challenge water: Systems treating laundry source water

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The 30-d average concentration of the laundry water delivered to the system shall be as follows:

Parameter	Required range
TSS	50 – 100 mg/L
BOD_5	220 – ~~300~~ 370 mg/L
temperature	25 – 35 °C
pH	7.0 – 8.5

turbidity	50 – 90 NTU
total phosphorous – P	< 2 mg/L
total Kjeldahl nitrogen – N	4.0 – 6.0 mg/L
COD	300 – 500 mg/L
~~TOC~~	~~50 – 100 mg/L~~
total coliforms	10^3 – 10^4 cfu/100 mL
E. coli	10^2 – 10^3 cfu/100 mL

8.1.2.1.3 Graywater challenge water: Systems treating bathing and laundry source waters combined

Each 100 L challenge water shall be prepared using 53 L of 8.1.2.1.1 and 47 L of 8.1.2.1.2. The 30-d average concentration of the graywater delivered to the system shall be as follows:

Parameter	Required range
TSS	80 – 160 mg/L
BOD_5	130 – ~~180~~ 210 mg/L
temperature	25 – 35 °C
pH	6.5 – 8.0
turbidity	50 – 100 NTU
total phosphorous – P	1.0 – 3.0 mg/L
total Kjeldahl nitrogen – N	3.0 – 5.0 mg/L
COD	250 – 400 mg/L
~~TOC~~	~~50 – 100 mg/L~~
total coliforms	10^3 – 10^4 cfu/100 mL
E. coli	10^2 – 10^3 cfu/100 mL

Draft PDS-01 BSR/RESNET/ICC 301-2014 Addendum L-20xx

Exception to Duct Leakage to Outside Testing

Revise Table 4.2.2(1) table note (m) as follows:

(m) ~~Tested duct leakage shall be determined and documented by an Approved Tester using the protocols equivalent to those specified in~~ Duct leakage shall be tested by an Approved Tester in accordance with requirements of Standard ANSI/RESNET/ICC 380-2016 ~~to Section 803 of the Mortgage Industry National Home Energy Rating Systems Standards~~.

Exception: Duct leakage to outside testing is not required, and duct leakage to outside may be deemed to be half of the measured total leakage when all of the following conditions are documented:

- 100% of the ductwork and air handler shall be visually verified and documented to be contained inside the Infiltration Volume.

- The duct system is 100% fully ducted. No building cavities shall be used as supply or return ducts.

- Airtightness of the duct system shall be tested in accordance with requirements of Standard ANSI/RESNET/ICC 380-2016 Total Duct Leakage Test (Section 4.4.1). The total leakage shall be less than or equal to the greater of: 4 cfm per 100 ft^2 of Conditioned Floor Area served by the duct system being tested, or 40 cfm.

- Airtightness of the building enclosure shall be less than 0.15 CFM50 per square foot of enclosure area, when tested in accordance with requirements of Standard ANSI/RESNET/ICC 380-2016. The enclosure area is the sum of the areas of the surfaces that bound the Infiltration Volume.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Revise proposal for battery update

35A Button or Coin Cell Batteries of Lithium Technologies

35A.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory:

a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and

b) The appliance is intended for household use.

~~*Exception: UL 4200A is not applicable to appliances and accessories intended for use where the battery is not intended to be replaced and is not referenced in instructions and markings.*~~

Exception No. 1: UL 4200A is not applicable in pumps and accessories that meet the following:

a) The battery is not intended to be replaced.

b) The battery is not referenced in the instructions or markings.

c) A battery access door or cover is not provided.

d) The appliance or accessory is not intended to be handheld during normal operation.

Exception No. 2: UL 4200A is not applicable if the enclosure or other means of making the battery inaccessible complies with the requirements of the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

BSR/UL 842, Standard for Safety for Valves for Flammable Fluids

1. **Clarification of valves subjected to the fire test**

2. **Clarification of time required for the external leakage test**

PERFORMANCE

11 General

11.8 A valve provided with a fusible element or other device that will close the valve automatically when subjected to heat or fire shall be subjected to the Fire Test.

13 External Leakage Test

13.1 Fuel gas valves

13.1.4 All external leakage tests employing a gas as the test medium are to be maintained for at least 1 minute.

13.2 Fuel gas valves intended to discharge to atmosphere

13.2.3 All external leakage tests employing a gas as the test medium are to be maintained for at least 1 minute.

13.4 Liquid handling valves

13.4.3 All external leakage tests employing a liquid as the test medium are to be maintained for at least 5 minutes.

BSR/UL 842A, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)

1. Clarification of valves subjected to the fire test

PERFORMANCE

11 General

11.9 A valve provided with a fusible element or other device that will close the valve automatically when subjected to heat or fire shall be subjected to the Fire Test.

BSR/UL 842B, Standard for Safety for Valves for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil

1. Clarification of valves subjected to the fire test

PERFORMANCE

11 General

11.9 A valve provided with a fusible element or other device that will close the valve automatically when subjected to heat or fire shall be subjected to the Fire Test.

BSR/UL 1081, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators

1. Revise proposal for battery update

25.3 Button or coin cell batteries of lithium technologies

25.3.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory:

a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and

b) The appliance is intended for household use.

Exception No. 1: UL 4200A is not applicable in appliances and accessories that meet the following:

a) The battery is not intended to be replaced.

b) The battery is not referenced in the instructions or markings.

c) A battery access door or cover is not provided.

d) The appliance or accessory is not intended to be handheld during normal operation.

Exception No. 2: UL 4200A is not applicable if the enclosure or other means of making the battery inaccessible complies with the requirements of the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

BSR/UL 1563, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment

1. Revise proposal for battery update

37.9 Button or coin cell batteries of lithium technologies

37.9.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory:

a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and

b) The appliance is intended for household use.

Exception: UL 4200A is not appliances and accessories under the scope of UL 1563 that meet the following:

a) The battery is not intended to be replaced.

b) The battery is not referenced in the instructions or markings.

c) A battery access door or cover is not provided.

d) The appliance or accessory is not intended to be handheld during normal operation.

BSR/UL 2251, Standard for Safety for *Plugs, Receptacles, and Couplers for Electric Vehicles*

10. Revision to the Temperature Rise Test

PROPOSAL

45 Temperature Rise Test

45.3 The temperatures shall be monitored on the components or locations indicated in Table 15B and the maximum temperature observed shall not exceed the indicated limits. For devices with wiring terminals, ~~T~~the temperature measurement shall be made on the wiring terminals of the device at the crimp area. ~~, if they are accessible for mounting thermocouples.~~ If the device has no wiring terminals or they are not accessible, temperatures shall be measured as close as possible to the point where the wires are mated to the terminals or contacts. Contact temperatures shall be measured on the contact, or if inaccessible on the face of the device, as close as possible to the contact. If other components exist in the connector, and those components have temperature ratings, then they shall also be monitored to insure that those temperature ratings are not exceeded. ~~face of the equipment on the male contacts inserted in the mating device.~~

Table 15B

Temperature locations and maximum temperature

Location	Maximum Temperature ℃ (℉)
Contacts	90 (194)
Wiring terminals	90 (194)
Internal wiring	a
Cable at entry to connector body	b
[a]Maximum temperature shall not exceed the rating of the wiring used.	
[b]Maximum temperature shall be in accordance with Table 15A.	

BSR/UL 61730-1, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction

1. Proposed Addition of References to Components Standards for Application in the U.S.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2DV DR Addition of the following:

UL 790
Standard Test Methods for Fire Tests of Roof Coverings

UL 969
Marking and Labeling Systems

UL 2703
Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels

UL 3730
Photovoltaic Junction Boxes

UL 6703
Connectors for Use in Photovoltaic Systems

ANSI/NFPA 70,
National Electrical Code

5.3 Electrical components and insulation

5.3.4 Connectors

External DC connectors shall fulfil the requirements of IEC 62852. Connectors shall be marked in accordance with 5.2.2.

5.3.4DV DR Modification by ~~adding the following to the end of the Clause~~ replacing the Clause with the following:

~~In the US, non-locking connectors are not authorized for use in readily accessible PV systems with voltages above 30 volts.~~ External DC connectors shall fulfil the requirements of UL 6703. Connectors shall be marked in accordance with 5.2.2.

5.3.5 Junction boxes for PV modules

Junction boxes for PV modules shall fulfil the requirements of IEC 62790.

5.3.5DV D2 Modification by replacing the Clause with the following:

Junction boxes for PV modules shall fulfil the requirements of UL 3730. ~~IEC 62790 with the following exceptions:~~

~~1) The pull force used in the cord anchorage test (Sections 5.3.21.1 and 5.3.21.2 in IEC 62790) shall be either the value given in Table 6 (of IEC 62790) or 89 N, whichever is higher.~~

~~2) The pull force used in the retention on mounting surface test (Section 5.3.22.2 and 5.3.22.3 in IEC 62790) shall be 156 N.~~

5.3.8 Electrical connections

5.3.8.2 Terminals for external cables and PV connector ribbons

Terminals for electrical connections shall be suitable for the type and range of conductor cross-sectional areas according to specification of the manufacturer. They shall meet the requirements of IEC 62790.

Insulated terminals shall be designed in a manner where a possible displacement that may result in a reduction of clearances and creepage distances is prevented.

5.3.8.2DV DR Modification by replacing the first paragraph of the Clause with the following:

Terminals for electrical connections shall be suitable for the type and range of conductor cross-sectional areas according to specification of the manufacturer. They shall meet the requirements of UL 3730.