ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 49, #49 *December 7, 2018*

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: January 6, 2019

ACCT (Association for Challenge Course Technology)

Revision

BSR/ACCT 03-201x, Challenge Course and Canopy/Zip Line Tours Standards (revision of ANSI/ACCT 03-2016)

Included are standards for facilities used for any purpose including amusement, recreation, team development, therapy, or education. Challenge courses now have three distinct operating methodologies: facilitated (such as traditional Ropes and Challenge Courses), guided (such as Canopy and Zip Line Tours), or self-guided and monitored (such as Aerial Adventure/Trekking Parks).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Scott Andrews; scott.andrews@acctinfo.org

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

Addenda

BSR/ASHRAE Addendum 161d-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2018)

This proposed addendum updates the referenced filter types in Section 6.3.1 (Recirculated Air Quality) and adds/updates the respective references in Section 11 (References).

Click here to view these changes in full

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

BSR/ASHRAE Addendum 161e-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2018)

This proposed addendum removes the hyphen in “high efficiency” in reference to HEPA filters and tempers the statement regarding whether HEPA filters remove bacteria and viruses, all in Section A4.8 (Bacteria and Viruses).

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 50-201x (i145r1), Equipment and Chemicals 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.

Click here to view these changes in full

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

BSR/NSF 170-201x (i22r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

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

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60079-18-201X, Standard for Safety for Explosive Atmospheres - Part 18: Equipment Protection by Encapsulation “m” (national adoption of IEC 60079-18 with modifications and revision of ANSI/UL 60079-18-2018)

This proposal includes correction to the Cable Pull Test Procedure in 8.2.5.1.

Click here to view these changes in full

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

BSR/UL 61724-1-201x, Standard for Photovoltaic System Performance - Part 1: Monitoring (national adoption with modifications of IEC 61724-1)

(1) Revisions to the first edition of the UL IEC-Based Standard for Photovoltaic System Performance - Part 1: Monitoring, UL 61724-1.

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

BSR/UL 61724-3-201x, Standard for Photovoltaic System Performance - Part 3: Energy Evaluation Method (national adoption with modifications of IEC 61724-3)

(1) Revisions to the first edition of the UL IEC-Based Technical Specification for Photovoltaic system performance - Part 3: Energy evaluation method, UL 61724-3.

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 330-201x, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330 -2018)

The following is being proposed: (1) Addition of Check Valve Endurance 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

BSR/UL 746A-201X, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2018)

This proposal is an updated version of a proposal to revise Lab Environment Conditions for Comparative Tracking Index (CTI) Tests in Section 24 that was published by UL for ballot on September 21, 2018.

Click here to view these changes in full

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

BSR/UL 923-201x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2017b)

This proposal for UL 923 covers: (2) Child-resistant microwave oven doors.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

Comment Deadline: January 21, 2019

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB BPR 089-201x, Best Practice Recommendation for Facial Approximation in Forensic Anthropology (new standard)

This best practice recommendation sets forth guidance for facial approximation from skeletal remains. The production and assessment of facial approximations using skeletal remains represents a combination of varied methods of art and anatomical science that continue to evolve. Therefore, recommendations for specific techniques are not addressed. Facial imaging procedures such as composite drawings and postmortem imaging from photographs are not addressed.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

BSR/ASB Std 035-201x, Standard for the Examination of Documents for Alterations (new standard)

This document provides the procedure(s) used by Forensic Document Examiners (FDE) in the examination of documents for alterations.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/

BSR/ASB Std 106-201x, Wildlife Forensic-Protein Serology Method for Taxonomic Identification (new standard)

This document addresses the protocols laboratories are required to have for general protein serology methods for taxonomic identification routinely used in the laboratory. These protocols include: Serology analysis methods routinely used in the laboratory, the validation process, reagents used, and analysis and interpretation of serology results generated in the laboratory. This document also covers the use of quality controls (positive, negative, and comparison samples) and the analysis of results if controls fail. The document explains how differences in expressed proteins can be used to identify animals at family and/or species level using a suite of serology methods.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

ACI (American Concrete Institute)

New Standard

BSR/ACI 562-201x, Code Requirements for Evaluation, Repair, and Rehabilitation of Concrete Buildings (ACI 562-XX) and Commentary (new standard)

ACI 562-XX, "Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures," was developed to provide design professionals involved in the assessment of existing concrete structures a code for the assessment of the damage and deterioration and the design of appropriate repair and rehabilitation strategies. The code provided minimum requirements for assessment, repair, and rehabilitation of existing structural concrete buildings, members, systems, and where applicable, nonbuilding structures. ACI 562-XX was specifically developed to work with the International Existing Building Code (IEBC) or to be adopted as a stand-alone code.

Single copy price: Free

Obtain an electronic copy from: https://www.concrete.org/publications/standards/upcomingstandards.aspx

Order from: shannon.banchero@concrete.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.106-2003/ISO 18245 (R201x), Retail Financial Services - Merchant Category Codes (reaffirm a national adoption ANSI X9.106-2003/ISO 18245 (R2013))

This standard defines code values used to enable the classification of merchants into specific categories based on the type of business, trade, or services supplied. Values are specified only for those merchant categories that are generally expected to originate retail financial transactions. This standard also establishes the procedures for a Registration and Maintenance Management Group (RMMG), which considers requests for new code values, and a Maintenance Agency (MA), which provides the administrative procedures required to maintain an up-to-date list of codes. It is not within the scope of this International Standard to mandate the use of merchant category codes in any given situation.

Single copy price: $100.00

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

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

New Standard

BSR/ASHRAE Standard 221-201x, Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System (new standard)

The purpose of ASHRAE Standard 221P is to prescribe a field evaluation and test method to measure and score the performance, in terms of delivered cooling or heating capacity, or cooling efficiency, of an installed unitary HVAC system.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM D2661-201x, Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM D2665-201x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM D1094-2007 (R201x), Test Method for Water Reaction of Aviation Fuels (reaffirmation of ANSI/ASTM D1094-2007 (R2013))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM D4308-2013 (R201x), Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter (reaffirmation of ANSI/ASTM D4308-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM E29-2013 (R201x), Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications (reaffirmation of ANSI/ASTM E29-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM E1663-2003 (R201x), Classification for Serviceability of an Office Facility for Typical Office Information Technology (reaffirmation of ANSI/ASTM E1663-2003 (R2010))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM E2151-2010 (R201x), Terminology of Guides for Specifying and Evaluating Performance of Single-Family Attached and Detached Dwellings (reaffirmation of ANSI/ASTM E2151-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM F442/F442M-2017 (R201x), Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDRPR) (reaffirmation of ANSI/ASTM F442/F442M-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM E329-201x, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2018)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM F963-201x, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM F1290-201x, Practice for Electrofusion Joining Polyolefin Pipe and Fittings (revision of ANSI/ASTM F1290-2017)
http://www.astm.org/ANSI_SA
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org
Send comments (with copy to psa@ansi.org) to: Same

BSR/ASTM F2165-201x, Specification for Flexible Pre-Insulated Piping (revision of ANSI/ASTM F2165-2017)
http://www.astm.org/ANSI_SA
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org
Send comments (with copy to psa@ansi.org) to: Same

BSR/ASTM F2206-201x, Specification for Fabricated Fittings of Butt-Fused Polyethylene (PE) (revision of ANSI/ASTM F2206-2017)
http://www.astm.org/ANSI_SA
Single copy price: Free
Obtain an electronic copy from: cleonard@astm.org
Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org
Send comments (with copy to psa@ansi.org) to: Same

AWS (American Welding Society)

Revision

BSR/AWS D18.1/D18.1M-201X, Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications (revision of ANSI/AWS D18.1/D18.1M-2009)

This specification provides the requirements for welds in tubing systems in dairy and other food processing plants. The document addresses qualifications, fabrication, extent of visual examination, acceptance criteria, and documentation requirements.

Single copy price: $55.00
Obtain an electronic copy from: pportela@aws.org
Order from: Peter Portela, (800) 443-9353, pportela@aws.org
Send comments (with copy to psa@ansi.org) to: Same

BICSI (Building Industry Consulting Service International)

Revision

BSR/BICSI 002-201x, Data Center Design and Implementation Best Practices (revision of ANSI/BICSI 002-2014)

This is a periodic revision of ANSI/BICSI 002□2014. All content will be reviewed and modified as needed, with new material being created to address developments within data center design.

Single copy price: Free
Obtain an electronic copy from: jsilveira@bicsi.org
Send comments (with copy to psa@ansi.org) to: jsilveira@bicsi.org

FCI (Fluid Controls Institute)

Revision

BSR/FCI 99-3-201x, Back Pressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)

This standard provides a method for establishing and reporting back pressure regulator capacities for use by manufacturers, users, specifiers, and approval bodies in order to promote consistent presentation of back pressure regulator or surplusing valve capacities. This standard does not apply to safety relief valves.

Single copy price: Free
Obtain an electronic copy from: fci@fluidcontrolsinstitute.org
Order from: fci@fluidcontrolsinstitute.org
Send comments (with copy to psa@ansi.org) to: Leslie, Schraff, fci@fluidcontrolsinstitute.org

IIAR (International Institute of Ammonia Refrigeration)

New Standard

BSR/IIAR 6-201x, Standard for Inspection, Testing, and Maintenance of Closed-Circuit Ammonia Refrigeration Systems (new standard)

This standard specifies minimum requirements for inspection, testing, and maintenance for closed-circuit ammonia refrigeration systems. This standard is intended to assist individuals responsible for developing and implementing inspection, testing, and maintenance programs for facilities with stationary closed-circuit ammonia refrigeration systems using recognized and generally accepted good engineering practices (RAGAGEP).

Single copy price: Free of charge until public review period is over

Obtain an electronic copy from: tony_lundell@iiar.org

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

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

BSR/IIAR 9-201x, Standard for Minimum System Safety Requirements for Existing Closed-Circuit Ammonia Refrigeration Systems (new standard)

This standard is to provide the methodology to evaluate, establish, and document the minimum system safety requirements for new and existing closed-circuit ammonia refrigeration systems.

Single copy price: Free of charge until public review period ends

Obtain an electronic copy from: tony_lundell@iiar.org

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

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

NECA (National Electrical Contractors Association)

New Standard

BSR/NECA 781-201X, Recommended Practice for Installing and Maintaining Lightning Protection Systems (new standard)

This standard covers quality and performance criteria and best practices for lightning protection system design and installation for both new construction and existing structures. The basic components of lighting protection systems are covered as well as basic information related to lightning protection system design and system maintenance.

Single copy price: $25.00 (NECA members); $55.00 (nonmembers)

Obtain an electronic copy from: neis@necanet.org

Order from: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

Stabilized Maintenance

BSR C136.5-1989 (S201x), Film Cutouts (stabilized maintenance of ANSI C136.5-1989 (R2013))

This standard covers operating and dimensional features of single-shot film cutouts used with series roadway lighting equipment and circuits, and function by dielectric breakdown and subsequent partial fusing of components to establish a shunting electrical circuit to bypass non-operative series roadway lighting equipment.

Single copy price: $30.00

Obtain an electronic copy from: David.Richmond@nema.org

Order from: David Richmond, (703) 841-3234, David.Richmond@nema.org

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

NEMA (ASC C81) (National Electrical Manufacturers Association)

Revision

BSR C81.61-201X, Standard for Electrical Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61 -2017)

This standard sets forth the specifications for bases (caps) used on electric lamps.

Single copy price: $500.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

BSR C81.62-201X, Electric Lampholders (revision of ANSI C81.62-2017)

This standard sets forth the specifications for lampholders for electric lamps.

Single copy price: $350.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

BSR C81.63-201X, Gauges for Electric Lamp Bases and Lampholders (revision of ANSI C81.63-2007 (R2014))

This standard sets forth the specifications for gauges for bases (caps) and lampholders for electric lamps.

Single copy price: $500.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revision

BSR C82.16-201x, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2015)

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimmable), pulse-width modulation, or programmable (tunable) output power; External (standalone) or internal (enclosed in luminaire).

Single copy price: $152.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, 703-841-3262, Michael.Erbesfeld@nema.org

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

BSR C82.77-10-201X, Lighting Equipment - Harmonic Emission Limits - Related Power - Quality Requirements (revision of ANSI C82.77-10-2014)

This standard specifies harmonic limits, their methods of measurement, and power factor (PF) for lighting equipment. This standard covers all types of lighting equipment that is used for general illumination (typically found in residential, commercial, and industrial applications) and which is connected to commonly distributed 60-Hz alternating current (AC) power line systems.

Single copy price: $77.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, 703-841-3262, Michael.Erbesfeld@nema.org

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

SCTE (Society of Cable Telecommunications Engineers)

New Standard

BSR/SCTE 252-201x, Attenuation of Common Mode Filters (new standard)

All common mode filters or attenuators up to 230 MHz in frequency (limited by the upper frequency cutoff of commercially available coupling-decoupling networks) can be characterized using this test method.

Single copy price: $50.00

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

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

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

TCIA (ASC A300) (Tree Care Industry Association)

Revision

BSR A300 Part 5-201x, Tree, Shrub and Other Woody Plant Management - Standard Practices (Management of Trees and Shrubs during Site Planning, Site Development, and Construction) (revision of ANSI A300 Part 5-2012)

A300 standards are performance standards for the management of trees, shrubs and other woody plants. They are also a guide in the drafting of maintenance specifications for federal, state, municipal and private authorities including property owners, property managers, and utilities. This part of the A300 standards applies to management, and the writing of management plans, for trees during site planning, development, and construction.

Single copy price: Free (Electronic copy); $15.00 (S&H) (Paper copies)

Obtain an electronic copy from: atetreault@tcia.org

Order from: Amy Tetreault; atetreault@tcia.org

Send comments (with copy to psa@ansi.org) to: www.tcia.org/A300comments

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2904-201x, Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers (new standard)

This proposed first edition of the Standard for Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers, UL 2904, presents methodologies for characterizing and quantifying coarse, fine, and ultrafine particles and volatile organic compound (VOC) emissions from operating 3D printers under normal conditions of use.

Single copy price: Free

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

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

BSR/UL 7008-201x, Standard for Sustainability for Household Dehumidifier Appliances (new standard)

This standard covers dehumidifier appliances for households included within the scope of the U.S. Department of Energy (DoE) and Natural Resources Canada (NRCan) minimum energy performance requirements.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Grace Roh, (919) 549-1389, Grace.Roh@ul.com

Comment Deadline: February 5, 2019

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B30.21-2014 (R201x), Lever Hoists (formerly Manually Lever Operated Hoists) (reaffirmation of ANSI/ASME B30.21 -2014)

Volume B30.21 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of ratchet and pawl and friction-brake-type lever chain, rope, and web strap hoists used for lifting, pulling, and tensioning applications.

Single copy price: $60.00

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

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

Send comments (with copy to psa@ansi.org) to: Kathleen Peterson, (800) 843-2763, petersonk@asme.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60335-2-40-201X, Standard for Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers (national adoption of IEC 60335-2-40 with modifications and revision of ANSI/UL 60335-2-40-2017a)

This part of UL/IEC 60335 deals with the safety of electric heat pumps, including hot water heat pumps, air conditioners, dehumidifiers, and hydronic fan coils units, their maximum rated voltages being not more than 300 V for single phase appliances and 15 000 V for all other appliances. Partial units are within the scope of this International Standard. The appliances referenced above may consist of one or more factory-made assemblies. If provided in more than one assembly, the separate assemblies are to be used together, and the requirements are based on the use of matched assemblies. This standard does not take into account refrigerants other than refrigerant safety groups as defined by ISO 817 or ASHRAE 34 as follows: a) A1; b) B1; and c) A2L, A2, and A3, refrigerants.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com

Call for Comment Deadline Extension

BSR/ASHRAE/IES Addendum 90.1bi-201x

New Call for Comment Deadline: December 31, 2018

Due to a typographical error ASHRAE has extended the review period of BSR/ASHRAE/IES Addendum 90.1bi-201x.
The new Call for Comment Deadline is: December 31, 2018

BSR/ASHRAE/IES Addendum 90.1bi-201x
Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)

The addendum updates the reference year for Standard 140 in Sections 11 and 12 as well as Appendix C and G.

Single copy price: $35.00
Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

Click here to view these changes in full.

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 36 ST., #130
Miami, FL 33166

Contact: *Peter Portela*

Phone: (800) 443-9353

E-mail: pportela@aws.org

BSR/AWS D18.1/D18.1M-201X, Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary(Hygienic) Applications (revision of ANSI/AWS D18.1/D18.1M-2009)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: *Leslie Schraff*

Phone: (216) 241-7333

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 99-3-201x, Back Pressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Aga Golriz*

Phone: (301) 215-4549

E-mail: Aga.golriz@necanet.org

BSR/NECA 411-201x, Standard for Installing and Maintaining Uninterruptible Power Supplies (UPS) (revision of ANSI/NECA 411 -2014)

BSR/NECA 412-201x, Standard for Installing and Maintaining Photovoltaic Power Systems (revision of ANSI/NECA 412-2012)

BSR/NECA 781-201X, Recommended Practice for Installing and Maintaining Lightning Protection Systems (new standard)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: *David Richmond*

Phone: (703) 841-3234

E-mail: David.Richmond@nema.org

BSR C136.5-1989 (S201x), Film Cutouts (stabilized maintenance of ANSI C136.5-1989 (R2013))

NEMA (ASC C18) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Rosslyn, VA 22209

Contact: *Khaled Masri*

Phone: (703) 841-3278

E-mail: Khaled.Masri@nema.org

BSR C18.4M-201x, Standard for Portable Cells and Batteries Environmental (revision of ANSI C18.4M-2017)

BSR C18.3M, Part 2-201x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2017)

NEMA (ASC C81) (National Electrical Manufacturers Association)

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

Contact: *Michael Erbesfeld*

Phone: (703) 841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR C81.61-201X, Standard for Electrical Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017)

BSR C81.62-201X, Electric Lampholders (revision of ANSI C81.62 -2017)

BSR C81.63-201X, Gauges for Electric Lamp Bases and Lampholders (revision of ANSI C81.63-2007 (R2014))

NEMA (ASC C82) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: *Michael Erbesfeld*

Phone: 703-841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR C82.16-201x, Light-Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2015)

BSR C82.77-1-201X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) - General Requirements and Criteria (new standard)

BSR C82.77-3-201X, Standard for Lighting Equipment- Electrostatic Discharge (national adoption with modifications of IEC 61000-4-3)

BSR C82.77-4-201X, Standard for Lighting Equipment Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Power Frequency Magnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-8)

BSR C82.77-6-201X, Standard for Lighting Equipment - Limits Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems, for Equipment with Rated Current 16 A per Phase and not Subject to Conditional Connection (national adoption with modifications of IEC 61000-3-3)

BSR C82.77-7-201X, Standard for Lighting Equipment - Testing and Measurement Techniques - Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests (national adoption with modifications of IEC 61000-4-11)

BSR C82.77-8-201X, Standard for Lighting Equipment - Fast Transients (national adoption with modifications of IEC 61000-4-4)

BSR C82.77-9-201X, Standard for Lighting Equipment - Injected Currents (national adoption with modifications of IEC 61000-4-6)

BSR C82.77-10-201X, Lighting Equipment - Harmonic Emission Limits - Related Power - Quality Requirements (revision of ANSI C82.77-10 -2014)

NSF (NSF International)

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

Contact: *Jason Snider*

Phone: (734) 418-6660

E-mail: jsnider@nsf.org

BSR/NSF 50-201x (i145r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

BSR/NSF 170-201x (i22r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

E-mail: standards@tiaonline.org

BSR/TIA J-STD-025-B-3-2013 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 3: Support for BSID or Subnet (reaffirmation of ANSI/TIA J-STD-025-B-3-2013)

Call for Members (ANS Consensus Bodies)

IAPMO Call for Consensus Body Members for the National Adoption of ISO 30500 as an American National Standard

Application Deadline: February 15, 2019

The International Association of Plumbing and Mechanical Officials (IAPMO®) is seeking volunteers with a technical background in non-sewered sanitation systems (NSSS), such as jurisdictional authorities, testing lab and educational facility representatives, and manufacturing experts, to participate on the technical committee for the national adoption of ISO 30500. The standard, *Non-sewered sanitation systems – Prefabricated integrated treatment units – General safety and performance requirements for design and testing*, is an international standard developed by 32 participating economies and 16 observing members. Additional information is available here: http://www.iapmo.org/Press%20Releases/2018-12-05%20IAPMO%20Standards%20ISO%2030500.pdf

Applications may be submitted here: http://forms.iapmo.org/iapmo/committee/app_ps_committee.aspx .

The deadline to apply is February 15, 2019.

Interested parties may also contact Kyle Thompson at 909-230-5534 or by e-mail at kyle.thompson@iapmo.org.

Call for Members (ANS Consensus Bodies)

ASC C80 Raceways for Electrical Wiring Systems – Call for Consensus Body Voting Members in the General Interest and User Categories

NEMA is seeking stakeholders in the General Interest and User categories to join the consensus body (voting group) for ASC C80. The current scope for ASC AC80 is:

- Electrical rigid steel conduit used as a raceway for wires or cables of an electrical system, including conduit couplings, elbows and nipples
- Steel electrical metallic tubing, for use as a raceway for wires or cables of an electrical system, including elbows
- Electrical rigid aluminum conduit for use as a raceway for the wires or cables of an electrical system, including aluminum conduit couplings, elbows, nipples
- Steel electrical intermediate metal conduit used as a raceway for wires or cables of an electrical system, including conduit couplings, elbows and nipples

For more information, please contact: **Muhammad Ali, Astd, Program Manager,** 703.841.3288 or muhammad.ali@nema.org.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

ADA (American Dental Association)

Revision

ANSI/ADA Standard No. 2000.2-2018, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.1-2017): 12/3/2018

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 8.1-2014 (R2018), Nuclear Criticality Safety in Operations with Fissionable Material Outside Reactors (reaffirmation of ANSI/ANS 8.1-2014): 11/29/2018

API (American Petroleum Institute)

Supplement

ANSI/API RP 2EQ-2018, Seismic Design Procedures and Criteria for Offshore Structures (supplement to ANSI/API Recommended Practice 2EQ-2014): 12/3/2018

ANSI/API Spec 7-1/ISO 10424-1-2004-2018, Petroleum and natural gas industries - Rotary drilling equipment - Part 1: Rotary drill stem elements (supplement to ANSI/API Specification 7-1/ISO 10424-1 -2007 (R2015)): 11/29/2018

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASAE EP282.2-1993 (R2018), Design Values for Emergency Ventilation and Care of Livestock and Poultry (reaffirmation of ANSI/ASAE EP282.2-1993 (R2013)): 11/29/2018

ANSI/ASAE S289.2 FEB1998 (R2018), Concrete Slip-Form Canal Linings (reaffirmation of ANSI/ASAE S289.2 FEB1998 (R2013)): 11/29/2018

ASSP (Safety) (American Society of Safety Professionals)

New Standard

ANSI/ASSP Z9.6-2018, Exhaust Systems for Grinding, Polishing and Buffing (new standard): 12/3/2018

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI ATIS 0300216-2013 (R2018), Integrated Services Digital Network (ISDN) Management - Basic Rate Physical Layer (reaffirmation of ANSI ATIS 0300216-2013): 11/29/2018

Revision

ANSI/ATIS 0300220-2018, Structure for the Representation of the Communications Industry Manufacturers, Suppliers, and Related Service Companies for Information Exchange (revision of ANSI/ATIS 0300220-2016): 11/29/2018

AWS (American Welding Society)

Addenda

ANSI/AWS D17.1/D17.1M-2017-AMD2, Specification for Fusion Welding for Aerospace Applications (addenda to ANSI/AWS D17.1/D17.1M-2017a): 11/30/2018

New Standard

ANSI/AWS C3.2M/C3.2-2019, Standard Method for Evaluating the Strength of Brazed Joints (new standard): 11/30/2018

B11 (B11 Standards, Inc.)

New Standard

ANSI B11.26-2018, Functional Safety for Equipment (Electrical/Fluid Power Control Systems) - Application of ISO 13849 - General Principles for Design (new standard): 11/27/2018

CSA (CSA Group)

Revision

ANSI Z21.1-2018/CSA 1.1-2018, Household Cooking Gas Appliances (same as CSA 1.1) (revision of ANSI Z21.1-2016): 11/29/2018

CTA (Consumer Technology Association)

Withdrawal

* ANSI/CTA 775-2-A-2008 (R2013), Service Selection Information for Digital Storage Media Interoperability (withdrawal of ANSI/CEA 775 -2-A-2008 (R2013)): 11/27/2018

* ANSI/CTA 849-B-2008 (R2013), Application Profiles for CEA-775 Compliant DTVs (withdrawal of ANSI/CEA 849-B-2008 (R2013)): 11/27/2018

ESTA (Entertainment Services and Technology Association)

Reaffirmation

ANSI E1.5-2009 (R2018), Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5 -2009 (R2014)): 11/29/2018

Revision

ANSI E1.8-2018, Entertainment Technology - Loudspeaker Enclosures Intended for Overhead Suspension - Classification, Manufacture and Structural Testing (revision of ANSI E1.8-2012): 11/29/2018

HI (Hydraulic Institute)

New Standard

ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard): 11/29/2018

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

Revision

ANSI/ASSE Series 6000-2018, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2015): 11/29/2018

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1149.10-2017, Standard for High-Speed Test Access Port and On-Chip Distribution Architecture (new standard): 11/26/2018

ANSI/IEEE 2030.100-2017, Recommended Practice for Implementing an IEC 61850-Based Substation Communications, Protection, Monitoring, and Control System (new standard): 11/29/2018

ANSI/IEEE 24748-5-2017, ISO/IEC/IEEE International Standard - Systems and Software Engineering - Life Cycle Management - Part 5: Software Development Planning (new standard): 11/26/2018

ISA (International Society of Automation)

Revision

ANSI/ISA 95.00.05-2018, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013): 12/3/2018

MHI (Material Handling Industry)

New Standard

ANSI/MH32.1-2018, Stairs, Ladders, and Open-Edge Guards for Use with Material Handling Structures (new standard): 11/30/2018

Revision

ANSI/MH28.2-2018, Design, Testing and Utilization of Industrial Boltless Metal Shelving (revision of ANSI MH28.2-2012): 11/30/2018

ANSI/MHI ECMA 15-2018, Cable-less Controls for Electric Overhead Traveling Cranes (revision of ANSI/MHI ECMA 15-2010): 11/30/2018

NEMA (ASC C29) (National Electrical Manufacturers Association)

Revision

ANSI C29.13-2018, Composite Insulators - Distribution Deadend Type (revision of ANSI C29.13-2012): 11/29/2018

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revision

* ANSI/ICEA S-106-703-2018, Broadband Aerial Service Wire Aircore, Polyolefin-Insulated Conductor (revision of ANSI/ICEA S-106-703 -2012): 12/3/2018

NSF (NSF International)

Revision

ANSI/NSF 58-2018 (i83r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2017): 11/19/2018

RESNET (Residential Energy Services Network, Inc.)

Addenda

ANSI/RESNET/ICC 301-2014 Addendum T-2018, Thermal Distribution System Efficiency (addenda to ANSI/RESNET/ICC 301-2014): 11/29/2018

ANSI/RESNET/ICC 301-2018 Addendum L-2018, Duct Leakage to Outside Test Exception (addenda to ANSI/RESNET/ICC 301-2014): 12/3/2018

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 2610-2018, Standard for Commercial Premises Security Alarm Units and Systems (new standard): 11/29/2018

Reaffirmation

ANSI/UL 448C-2014 (R2018), Standard for Safety for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service (reaffirmation of ANSI/UL 448C-2014): 11/28/2018

ANSI/UL 1441-2005 (R2018), Standard for Coated Electrical Sleeving (reaffirmation of ANSI/UL 1441-2005 (R2013)): 11/27/2018

ANSI/UL 60745-2-8-2009 (R2018), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-8: Particular Requirements for Shears and Nibblers (reaffirmation of ANSI/UL 60745-2-8-2009 (R2014)): 11/7/2018

Revision

ANSI/UL 242-2018, Standard for Safety for Nonmetallic Containers for Waste Paper (revision of ANSI/UL 242-2004 (R2017)): 11/30/2018

ANSI/UL 360-2018a, Standard for Safety for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2018): 11/27/2018

ANSI/UL 514C-2018, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2014): 11/30/2018

ANSI/UL 588-2018b, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2017): 11/27/2018

ANSI/UL 651-2018, Standard for Safety for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651 -2016): 11/30/2018

ANSI/UL 2196-2018, Standard for Safety for Standard for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables (revision of ANSI/UL 2196-2017): 11/30/2018

Project Initiation Notification System (PINS)

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

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

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

ASTM (ASTM International)

Contact: Corice Leonard, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM F1734-201x, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard)

Stakeholders: Gas industry.

Project Need: Revision could not get approved and now needs to reinstate with revision The squeeze-off process is commonly used on pipe used in various applications such as gas, water, oil gathering, process water, geothermal, and other applications. Recently, state regulators have been pushing back on the use of squeeze-off because these other applications are not stated in the scope of the three ASTM standards that govern squeeze-off.

http://www.astm.org/ANSI_SA

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9696, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK65955-201x, New Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials (new standard)

Stakeholders: Surface Burning industry.

Project Need: Fire testing of products and materials is inherently hazardous, and adequate safeguards for personnel and property shall be employed in conducting these tests.

This practice describes procedures for specimen preparation and mounting when testing fenestration profiles to assess flame spread and smoke development as surface burning characteristics using Test Method E84.

BSR/ASTM WK65987-201x, New Test Method for Determining Fire Resistance of a Building Joint System between a Rated Wall Assembly and a Non-Rated Exterior Wall (new standard)

Stakeholders: Fire Resistance industry.

Project Need: This standard addresses the integrity of building compartmentation between adjacent rooms (compartments) that use the non-rated exterior wall as one of its walls. This proposed standard may be used by industry and building officials.

This test method describes criteria and test methods used to determine the fire resistance of a building joint system between a rated wall assembly and a non-rated exterior wall when subjected to standard fire exposure conditions.

AWC (American Wood Council)

Contact: Bradford Douglas, (202) 463-2770, bdouglas@awc.org
222 Catoctin Circle , Suite 201, Leesburg, VA 20175

Revision

BSR/AWC PWF-201x, Permanent Wood Foundation Design Specification (revision and redesignation of ANSI/AWC PWF-2015)

Stakeholders: Engineers, architects, builders, and regulators.

Project Need: The basic design and construction requirements for the Permanent Wood Foundation (PWF) system are set forth in this publication. Included are criteria for materials, preservative treatment, soil characteristics, environmental control, design loads, and structural design. Provisions need to be updated to latest reference standards including the NDS and SDPWS.

Update to specification covering the engineered design of Permanent Wood Foundations.

AWS (American Welding Society)

Contact: Kevin Bulger, (800) 443-9353 xt306, kbulger@aws.org
8669 Doral Blvd, Suite 130, Doral, FL 33166

New Standard

BSR/AWS C3.13M/C3.13-201x, Specification for Controlled Atmosphere Brazing (CAB) of Aluminum (new standard)

Stakeholders: This publication will provide requirements to the industries that are currently manufacturing or are considering conversion to aluminum products manufactured using the CAB process. It will be particularly relevant to manufacturers of aluminum heat exchanger products used in transportation and to those considering conversion to aluminum in HVAC&R systems. The publication will be used by engineers, technicians, and operators who are involved in the design and manufacturing of aluminum products using the CAB process.

Project Need: Since the early 1980s, controlled atmosphere brazing has been very successfully used in manufacturing automotive aluminum heat exchangers. The process is cost effective and environmentally friendly compared to the traditional vacuum brazing and dip brazing processes and can be readily extended to other applications in addition to automotive heat exchangers. Recently, great interest has been shown by the Heating, Ventilating, Air-Conditioning and Refrigerating (HVAC&R) industry in replacing their traditional copper heat exchanger products with CAB brazed, aluminum heat exchangers. Existing publications provide very limited information relating to this state-of-the-art process for aluminum brazing. A specification devoted to CAB aluminum brazing is needed to provide requirements to those manufacturers considering and/or adopting this process.

This specification provides the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the controlled atmosphere brazing (CAB) of aluminum. This specification provides criteria for classifying CAB brazed aluminum joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. The specification defines acceptable CAB aluminum brazing equipment, materials, and procedures, as well as the required inspection for each class of joint.

AWS (American Welding Society)

Contact: Stephen Borrero, (305) 443-9353, sborrero@aws.org
8669 NW 36th Street, Suite 130, Doral, FL 33166

New Standard

BSR/AWS D10.8M/D10.8-201x, Guide for Welding of Chromium-Molybdenum Steel Piping and Tubing (new standard)

Stakeholders: Manufacturers and contractors who use Cr-Mo piping in their machinery or installations.

Project Need: Revisions are required for various sections of this standard. Because some of the advanced materials included in the previous edition require special welding guidelines, they will be removed and a separate guide will be published for them. This edition has also been changed from a Recommended Practice to a Guide.

This document presents recommendations for welding chromium-molybdenum steel pipe and tubing to itself and to various other materials. Advanced chromium-molybdenum pipe and tubing such as 9 CrMoV are not included in this document. Subjects covered in detail are filler metal selection, joint design, preheating, and postheating. Particular emphasis is placed on the importance of maintaining interpass temperature and dangers inherent in interrupted heating cycles.

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

Contact: Kyle Thompson, (909) 230-5534, standards@iapmostandards.org
5001 East Philadelphia Street, Ontario, CA 91761

New National Adoption

BSR/IAPMO 30500/ISO 30500-201x, Non-sewered sanitation systems - Prefabricated integrated treatment units - General safety and performance requirements for design and testing (identical national adoption of ISO 30500)

Stakeholders: Manufacturers, users, consumers, and regulatory authorities.

Project Need: National adoption of an existing ISO standard for non-sewered sanitation systems that will benefit stakeholders across North America.

National adoption of ISO 30500, which covers general safety and performance requirements for design and testing as well as sustainability considerations for non-sewered sanitation systems (NSSS). An NSSS, for the purposes of this document, is a prefabricated integrated treatment unit, comprising front-end (toilet facility) and back-end (treatment facility) components that (a) collects, conveys, and fully treats the specific input within the system, to allow for safe reuse or disposal of the generated solid, liquid, and gaseous output, and (b) is not connected to networked sewers or networked drainage systems.

NECA (National Electrical Contractors Association)

Contact: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org
3 Bethesda Metro Center, Suite 1100, Bethesda, MD 20814

Revision

BSR/NECA 411-201x, Standard for Installing and Maintaining Uninterruptible Power Supplies (UPS) (revision of ANSI/NECA 411 -2014)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard describes installation and maintenance procedures for permanently installed, static, three-phase Uninterruptible Power Supplies (UPSs) rated 30 kVA or more and rated 600 Volts or less, and related battery systems installed indoors or outdoors for commercial and industrial applications. UPSs described in this standard are solid-state power systems that provide continuous regulated AC power at the output terminals, while operating from either an AC power source or from a battery system.

BSR/NECA 412-201x, Standard for Installing and Maintaining Photovoltaic Power Systems (revision of ANSI/NECA 412-2012)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard addresses the need for standardized installation requirements and methods associated with installing and maintaining of photovoltaic power systems. Specific needs related to photovoltaic equipment and details about interconnected electrical wiring for PV systems is included in the standard.

NEMA (ASC C18) (National Electrical Manufacturers Association)

Contact: Khaled Masri, (703) 841-3278, Khaled.Masri@nema.org
1300 North 17th Street, Rosslyn, VA 22209

Revision

BSR C18.4M-201x, Standard for Portable Cells and Batteries Environmental (revision of ANSI C18.4M-2017)

Stakeholders: Battery manufactures, users, recycling organizations.

Project Need: Consolidate new environmental requirements and regulations regarding batteries including: Cobalt in the REACH directive, TSCA, and NORDIC SWAN

This standard applies to all chemistries of portable primary cells and batteries standardized in the 216 ANSI C18 series.

BSR C18.3M, Part 2-201x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2017)

Stakeholders: Consumer electronics, manufacturers, testing labs.

Project Need: New safety requirements.

This American National Standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse. For reference, the chemical systems standardized in ANSI C18.3M, Part 1, are: Lithium carbon monofluoride, Lithium manganese dioxide, and Lithium iron disulfide

NEMA (ASC C82) (National Electrical Manufacturers Association)

Contact: Michael Erbesfeld, 703-841-3262, Michael.Erbesfeld@nema.org
1300 N 17th St, Rosslyn, VA 22209

New National Adoption

BSR C82.77-3-201X, Standard for Lighting Equipment - Electrostatic Discharge (national adoption with modifications of IEC 61000 -4-3)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify details about radiated, radio-frequency electromagnetic field immunity testing for lighting products. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-4-3 with regional deviations.

BSR C82.77-4-201X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Power Frequency Magnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-8)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify details about power frequency magnetic field immunity testing for lighting products. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-4-8 with regional deviations.

BSR C82.77-6-201X, Standard for Lighting Equipment - Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection (national adoption with modifications of IEC 61000-3-3)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify the limitation for lighting products of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-3-3 with regional deviations.

BSR C82.77-7-201X, Standard for Lighting Equipment - Testing and Measurement Techniques - Voltage Dips, Short Interruptions and Voltage Variations - Immunity Tests (national adoption with modifications of IEC 61000-4-11)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify details about voltage dips, short interruptions, and voltage variations immunity testing for lighting products. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-4-11 with regional deviations.

BSR C82.77-8-201X, Standard for Lighting Equipment - Fast Transients (national adoption with modifications of IEC 61000-4-4)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify details about fast transients testing for lighting products. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-4-4 with regional deviations.

BSR C82.77-9-201X, Standard for Lighting Equipment - Injected Currents (national adoption with modifications of IEC 61000-4-6)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to specify details about injected currents testing for lighting products. This new standard will form a part of the C82.77-X EMC series under development.

This standard is a Nationally Acknowledged International Standard (NAIS) of IEC 61000-4-6 with regional deviations.

New Standard

BSR C82.77-1-201X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) - General Requirements and Criteria (new standard)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to define the Electromagnetic Compatibility 'EMC' (immunity and Interference) performance levels, testing methods, and performance criteria for lighting products in a frequency range from 0 to 400 GHz.

This standard defines the Electromagnetic Compatibility 'EMC' (immunity and Interference) performance levels, testing methods, and performance criteria for lighting products in a frequency range from 0 to 400 GHz. This standard applies to lighting products intended to be directly connected to the mains (up to 600V), dc (up to 250Vdc), battery-operated or to a non-public, low-voltage power distribution system.

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org
1320 North Courthouse Road, Suite 200, Arlington, VA 22201

Reaffirmation

BSR/TIA J-STD-025-B-3-2013 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 3: Support for BSID or Subnet (reaffirmation of ANSI/TIA J-STD-025-B-3-2013)

Stakeholders: Manufacturers and users of Mobile Equipment IDentifier.

Project Need: Reaffirm standard.

This addendum consists of additions and modifications to ANSI/J-STD-025-B for supporting BSID or Subnet information in the Location Information parameter type of the cdma2000® Abstract Syntax for Packet Data CII Delivery.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

ACCT
Association for Challenge Course Technology
P.O. Box 19797
Boulder, CO 80308
Phone: (206) 818-1838
Web: www.acctinfo.org

ACI
American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
Phone: (248) 848-3728
Web: www.concrete.org

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

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

API
American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8056
Web: www.api.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7027
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

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

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

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

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 662-8654
Web: www.atis.org

AWC
American Wood Council
222 Catoctin Circle
Suite 201
Leesburg, VA 20175
Phone: (202) 463-2770
Web: www.awc.org

AWS
American Welding Society
8669 Doral Blvd
Suite 130
Doral, FL 33166
Phone: (800) 443-9353 xt306
Web: www.aws.org

B11
B11 Standards, Inc.
P.O. Box 690905
Houston, TX 77269
Phone: (832) 446-6999

BICSI
Building Industry Consulting Service International
8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712
Web: www.bicsi.org

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

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

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

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
Phone: (216) 241-7333
Web: www.fluidcontrolsinstitute.org

HI
Hydraulic Institute
6 Campus Drive
Parsippany, NJ 07054
Phone: (973) 267-9700 EXT 115
Web: www.pumps.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015
Web: www.asse-plumbing.org

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

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

ISA (Organization)
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9213
Web: www.isa.org

MHI
Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
Phone: (704) 714-8755
Web: www.mhi.org

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

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NEMA (ASC C29)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231

Web: www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association

1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3278

Web: www.nema.org

NEMA (ASC C81)
National Electrical Manufacturers Association

1300 N 17th St Ste. 900
Rosslyn, VA 22209
Phone: (703) 841-3262

Web: www.nema.org

NEMA (ASC C82)
National Electrical Manufacturers Association

1300 N 17th St
Rosslyn, VA 22209
Phone: 703-841-3262

Web: www.nema.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817

Web: www.nsf.org

RESNET
Residential Energy Services Network, Inc.

4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860

Web: www.resnet.us.com

SCTE
Society of Cable Telecommunications Engineers

140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040

Web: www.scte.org

TCIA (ASC A300)
Tree Care Industry Association

136 Harvey Rd # 101
Londonderry, NH 03053
Phone: (603) 314-5380

Web: www.treecareindustry.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706

Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851

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 21572, Foodstuffs - Molecular biomarker analysis - Protein-based methods - 2/17/2019, $88.00

IMPLANTS FOR SURGERY (TC 150)

ISO 7207-2/DAmd2, Implants for surgery - Components for partial and total knee joint prostheses - Part 2: Articulating surfaces made of metal, ceramic and plastics materials - Amendment 2 - 2/17/2019, $33.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 22915-17, Industrial trucks - Verification of stability - Part 17: Towing tractors, burden and personnel carriers - 2/17/2019, $40.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 16175-1, Information and documentation - Processes and functional requirements for software for managing records - Part 1: Functional requirements and associated guidance for any applications that manage digital records - 2/14/2019, $107.00

ISO/DIS 16175-2, Information and documentation - Processes and functional requirements for designing and implementing records systems - Part 2: Functional requirements and associated guidance for any applications that manage digital records - 2/14/2019, $88.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 21466, Microbeam analysis - Scanning electron microscopy - Method for evaluating critical dimensions by CD-SEM - 12/24/2018, $102.00

OTHER

ISO/DIS 3376, Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension - 2/16/2019, $33.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16073-1, Wildland firefighting personal protective equipment - Requirements and test methods - Part 1: General - 2/17/2019, $67.00

ISO/DIS 16073-2, Wildland firefighting personal protective equipment - Requirements and test methods - Part 2: Compatibility - 2/16/2019, $40.00

ISO/DIS 16073-3, Wildland firefighting personal protective equipment - Requirements and test methods - Part 3: Clothing - 2/16/2019, $40.00

ISO/DIS 16073-7, Wildland firefighting personal protective equipment - Requirements and test methods - Part 7: Face and eye protection - 2/17/2019, $82.00

ISO/DIS 16073-8, Wildland firefighting personal protective equipment - Requirements and test methods - Part 8: Hearing - 2/16/2019, $40.00

PLASTICS (TC 61)

ISO/DIS 20028-1, Plastics - Thermoplastic polyester (TP) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 12/20/2018, $58.00

ROAD VEHICLES (TC 22)

ISO/DIS 21111-4, Road vehicles - In-vehicle Ethernet - Part 4: General requirements and test methods of optical Gigabit Ethernet components - 2/14/2019, $125.00

ISO/DIS 20766-18, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 18: Hose - 2/14/2019, $46.00

STEEL (TC 17)

ISO/DIS 4992-1, Steel castings - Ultrasonic testing - Part 1: Steel castings for general purposes - 12/24/2018, $93.00

ISO/DIS 4992-2, Steel castings - Ultrasonic testing - Part 2: Steel castings for highly stressed components - 12/24/2018, $93.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37123, Sustainable cities and communities - Indicators for resilient cities - 12/23/2018, $155.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 26162-1, Management of terminology resources - Terminology databases - Part 1: Design - 12/20/2018, $71.00

ISO/DIS 26162-2, Management of terminology resources - Terminology databases - Part 2: Software - 12/20/2018, $58.00

TEXTILES (TC 38)

ISO/DIS 21701, Textiles -Test method for accelerated hydrolysis of textile materials and biodegradation under controlled composting conditions of the resulting hydrolysate - 12/21/2018, $53.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 11783-9, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 9: Tractor ECU - 12/20/2018, $71.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 21634, Rubber flaps for automotive vehicles - Technical requirements and test methods - 12/24/2018, $40.00

VACUUM TECHNOLOGY (TC 112)

ISO/DIS 3529-2, Vacuum technology - Vocabulary - Part 2: Vacuum pumps and related terms - 12/24/2018, $58.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 21904-4, Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 4: Determination of the minimum air volume flow rate of capture devices - 2/14/2019, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 19516, Information technology - Object management group - Interface definition language (IDL) 4.2 - 12/23/2018, $175.00

ISO/IEC DIS 23736-1, Information technology - Digital publishing - EPUB 3.0.1 - Part 1: Overview - 12/23/2018, $71.00

ISO/IEC DIS 23736-2, Information technology - Digital publishing - EPUB 3.0.1 - Part 2: Publications - 12/23/2018, $146.00

ISO/IEC DIS 23736-3, Information technology - Digital publishing - EPUB 3.0.1 - Part 3: Content documents - 12/23/2018, $125.00

ISO/IEC DIS 23736-4, Information technology - Digital publishing - EPUB 3.0.1 - Part 4: Open container format - 12/23/2018, $98.00

ISO/IEC DIS 23736-5, Information technology - Digital publishing - EPUB 3.0.1 - Part 5: Media overlay - 12/23/2018, $102.00

ISO/IEC DIS 23736-6, Information technology - Digital publishing - EPUB 3.0.1 - Part 6: Canonical fragment identifier - 12/23/2018, $77.00

IEC Standards

AC/33/2018, JCGM 103 CD [constitutes draft ISO/IEC Guide 98-3-SP3: Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995) - Supplement 3: Developing and using measurement models], 2019/2/22

SMB/6597/QP, NL NC nomination to ACEE (restricted), /2018/12/2

10/1073/CD, IEC 60296 ED5: Fluids for electrotechnical applications - Mineral insulating oils for electrical equipment, 2019/2/22

26/668/CDV, IEC 62135-2 ED3: Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements, 2019/2/22

31G/290/NP, PNW TS 31G-290: Explosive atmospheres - Part XX: Equipment protection by 2-Wire Intrinsically Safe Ethernet concept (2-WISE), 2019/2/22

38/598/NP, PNW 38-598: Instrument Transformers - Part 202: Additional requirements for Current Instrument Transformers for Low Voltage Applications, 2019/2/22

38/597/CD, IEC 61869-201: Instrument transformers - Part 201: General requirements for Instrument Transformers for low voltage applications, 2019/2/22

38/594/CD, IEC 61869-220: Instrument transformers - Part 220: Safety requirements for Instrument Transformers for low voltage applications, 2019/2/22

45/863/Q, Proposed technical corrigendum to IEC 63047 ED1 (published 2018-10-11), Nuclear instrumentation - Data format for list mode digital data acquisition used in radiation detection and measurement, 2019/1/11

46F/437/CD, IEC 61169-54 ED2: Radio frequency connectors - Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ohms, Series 4.3-10, 2019/2/22

47/2526/CD, IEC 62830-7 ED1: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 7- linear sliding mode triboelectric energy harvesting, 2019/2/22

47F/324/CD, IEC 62047-37 ED1: Semiconductor devices - Micro-electromechanical devices - Part 37: Environmental test methods of MEMS piezoelectric thin films for sensor application, 2019/2/22

51/1262/FDIS, IEC 63093-13 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 13: PQ-cores, 2019/1/11

59C/232/NP, PNW 59C-232: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-18: Particular requirements for electric water heaters, 2019/2/22

64/2353/FDIS, IEC 60364-8-1 ED2: Low-Voltage electrical installations - Part 8-1: Energy efficiency, 2019/1/11

65/731/DTS, IEC TS 62872 ED2: Industrial-process measurement, control and automation system interface between industrial facilities and the smart grid, 2019/2/22

65B/1142/FDIS, IEC 60534-3-1 ED2: Industrial-process control valves - Part 3-1: Dimensions - Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves, 2019/1/11

77A/1018/CD, IEC 61000-3-2/AMD1/FRAG1 ED5: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase), 2019/1/25

86B/4162/CD, IEC 61755-2-1 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 2-1: Connection parameters of non-dispersion shifted single-mode physically contacting fibres - Non-angled, 2019/2/22

86B/4161/CD, IEC 61300-3-35 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers, 2019/2/22

86B/4163/CD, IEC 61755-2-2 ED2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 2-2: Connection parameters of non-dispersion shifted single-mode physically contacting fibres - Angled, 2019/2/22

86C/1568/CD, IEC TR 62343-6-11 ED1: Dynamic Modules - Part 6-11: Design guide - Software and hardware interface for multicast optical switches, 2019/2/22

86C/1569/CD, IEC 62149-3 ED3: Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems, 2019/2/22

94/443/CD, IEC 62314 ED2: Solid-state relays, 2019/1/25

100/3186/DTR, IEC TR 63231 ED1: Consideration of energy efficiency in wireless power transfer technology, 2019/1/25

100/3188/NP, PNW 100-3188: Configurable Car Infotainment Service (CCIS): Part 1 - General, 2019/2/22

100/3185/CD, IEC 61937-1 ED3: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General (TA 20), 2019/1/25

121A/248(F)/CDV, IEC 60947-3 ED4: Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units, 2019/2/15

CIS/H/384/CD, CISPR TR 16-4-4/AMD2/FRAG1 ED2: Fragment 1: Model for estimation of radiation from photovoltaic (PV) power generating systems and installations., 2019/2/22

CIS/H/385/CD, CISPR TR 16-4-4/AMD2/FRAG2 ED2: Fragment 2: Model for the estimation of radiation from in-house extra low voltage (ELV) lighting installations, 2019/2/22

CIS/H/383/CD, IEC 61000-6-3 ED3: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential locations, 2019/2/22

JTC1-SC25/2849/FDIS, ISO/IEC 30129/AMD1 ED1: Information technology - Telecommunications bonding networks for buildings and other structures, 2019/1/25

JTC1-SC25/2833/CDV, ISO/IEC 14776-224 ED1: Information technology - Small Computer System Interface (SCSI) - Part 224: Fibre Channel Protocol for SCSI, Fourth Version (FCP-4), 2019/2/22

JTC1-SC41/75/FDIS, ISO/IEC 21823-1 ED1: Internet of Things (IoT) - Interoperability for IoT systems - Part 1: Framework, 2019/1/25

Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

ISO 17201-1:2018, Acoustics - Noise from shooting ranges - Part 1: Determination of muzzle blast by measurement, $185.00

AIR QUALITY (TC 146)

ISO 16000-23:2018, Indoor air - Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials, $162.00

ISO 16000-24:2018, Indoor air - Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials, $138.00

ANALYSIS OF GASES (TC 158)

ISO 6145-7:2018, Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 7: Thermal mass-flow controllers, $103.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO 20166-1:2018, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for formalin-fixed and paraffin-embedded (FFPE) tissue - Part 1: Isolated RNA, $138.00

ISO 20166-2:2018, Molecular in vitro diagnostic examinations - Specifications for pre-examinations processes for formalin-fixed and paraffin-embedded (FFPE) tissue - Part 2: Isolated proteins, $138.00

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

ISO 21022:2018, Test method for fibre-reinforced cementitious composites - Load-deflection curve using circular plates, $103.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 14978:2018, Geometrical product specifications (GPS) - General concepts and requirements for GPS measuring equipment, $185.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 21927-2:2018, Smoke and heat control systems - Part 2: Specifications for natural smoke and heat exhaust ventilators, $209.00

ISO 21927-5:2018, Smoke and heat control systems - Part 5: Powered smoke exhaust systems - Requirements and design, $103.00

ERGONOMICS (TC 159)

ISO 9241-500:2018, Ergonomics of human-system interaction - Part 500: Ergonomic principles for the design and evaluation of environments of interactive systems, $68.00

FIRE SAFETY (TC 92)

ISO 21925-1:2018, Fire resistance tests - Fire dampers for air distribution systems - Part 1: Mechanical dampers, $185.00

FLUID POWER SYSTEMS (TC 131)

ISO 16889/Amd1:2018, Hydraulic fluid power - Filters - Multi-pass method for evaluating filtration performance of a filter element - Amendment 1, $19.00

GEOSYNTHETICS (TC 221)

ISO 13438:2018, Geosynthetics - Screening test method for determining the resistance of geotextiles and geotextile-related products to oxidation, $68.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO 19882:2018, Gaseous hydrogen - Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers, $162.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 3211:2018, Anodizing of aluminium and its alloys - Assessment of resistance of anodic oxidation coatings to cracking by deformation, $45.00

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

ISO 19277:2018, Petroleum, petrochemical and natural gas industries - Qualification testing and acceptance criteria for protective coating systems under insulation, $162.00

MINING (TC 82)

ISO 19296:2018, Mining - Mobile machines working underground - Machine safety, $185.00

NUCLEAR ENERGY (TC 85)

ISO 18315:2018, Nuclear energy - Guidance to the evaluation of measurement uncertainties of impurity in uranium solution by linear regression analysis, $103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 12123:2018, Optics and photonics - Specification of raw optical glass, $138.00

ISO 17123-9:2018, Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 9: Terrestrial laser scanners, $185.00

OTHER

ISO 18785-2:2018, Friction stir spot welding - Aluminium - Part 2: Design of weld joints, $45.00

ISO 18785-3:2018, Friction stir spot welding - Aluminium - Part 3: Qualification of welding personnel, $68.00

ISO 18785-4:2018, Friction stir spot welding - Aluminium - Part 4: Specification and qualification of welding procedures, $68.00

ISO 18785-5:2018, Friction stir spot welding - Aluminium - Part 5: Quality and inspection requirements, $68.00

PACKAGING (TC 122)

ISO 20848-3:2018, Packaging - Plastics drums - Part 3: Plug bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l, $138.00

PLASTICS (TC 61)

ISO 4612:2018, Plastics - Preparation of PVC pastes for test purposes - Planetary-mixer method, $45.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 21183-2:2018, Light conveyor belts - Part 2: List of equivalent terms, $103.00

ROAD VEHICLES (TC 22)

ISO 17949/Amd2:2018, Impact test procedures for road vehicles - Seating and positioning procedures for anthropomorphic test devices - Procedure for the WorldSID 5Oth percentile male side-impact dummy in front outboard seating positions - Amendment 2, $19.00

ISO 19825:2018, Road vehicles - Liquefied petroleum gas (LPG) refuelling connector, $138.00

ISO 16750-1:2018, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 1: General, $103.00

ISO 19206-1:2018, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 1: Requirements for passenger vehicle rear-end targets, $138.00

ISO 19206-2:2018, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 2: Requirements for pedestrian targets, $162.00

ISO 20766-1:2018, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 1: General requirements and definitions, $68.00

ISO 20766-2:2018, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 2: Performance and general test methods, $68.00

ISO 20766-3:2018, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 3: 80% stop valve, $45.00

ISO 20766-4:2018, Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 4: Level indicator, $45.00

SAFETY DEVICES FOR PROTECTION AGAINST EXCESSIVE PRESSURE (TC 185)

ISO 4126-2:2018, Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices, $138.00

SOIL QUALITY (TC 190)

ISO 15175:2018, Soil quality - Characterization of contaminated soil related to groundwater protection, $185.00

ISO 16133:2018, Soil quality - Guidance on the establishment and maintenance of monitoring programmes, $68.00

TEXTILES (TC 38)

ISO 1833-20:2018, Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane with certain other fibres (method using dimethylacetamide), $45.00

ISO 18692-1:2018, Fibre ropes for offshore stationkeeping - Part 1: General specification, $185.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 4254-16:2018, Agricultural machinery - Safety - Part 16: Portable agricultural grain augers, $103.00

ISO Technical Reports

PLASTICS (TC 61)

ISO/TR 18486:2018, Plastics - Parameters comparing the spectral irradiance of a laboratory light source for weathering applications to a reference solar spectral irradiance, $68.00

ROAD VEHICLES (TC 22)

ISO/TR 21959-1:2018, Road vehicles - Human performance and state in the context of automated driving - Part 1: Common underlying concepts, $138.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

ISO/TS 22835:2018, Health informatics - Information model of combination of decoction pieces in Chinese medicines, $45.00

SMALL TOOLS (TC 29)

ISO/TS 13399-403:2018, Cutting tool data representation and exchange - Part 403: Creation and exchange of 3D models - Modelling of driven tool units, $162.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21219-26:2018, Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) - Part 26: Vigilance location information (TPEG2-VLI), $138.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 1539-1:2018, Information technology - Programming languages - Fortran - Part 1: Base language, $232.00

ISO/IEC 29101:2018, Information technology - Security techniques - Privacy architecture framework, $185.00

ISO/IEC/IEEE 29148:2018, Systems and software engineering - Life cycle processes - Requirements engineering, $232.00

ISO/IEC/IEEE 90003:2018, Software engineering - Guidelines for the application of ISO 9001:2015 to computer software, $209.00

IEC Standards

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

IEC 60286-5 Ed. 3.0 b:2018, Packaging of components for automatic handling - Part 5: Matrix trays, $235.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC 80601-2-71 Ed. 1.0 b:2015, Medical electrical equipment - Part 2 -71: Particular requirements for the basic safety and essential performance of functional near-infrared spectroscopy (NIRS) equipment, $235.00

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 111)

IEC 62474 Ed. 2.0 b:2018, Material declaration for products of and for the electrotechnical industry, $235.00

S+ IEC 62474 Ed. 2.0 en:2018 (Redline version), Material declaration for products of and for the electrotechnical industry, $305.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC 62908-12-10 Ed. 1.0 en cor.1:2018, Corrigendum 1 - Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, $0.00

MAGNETIC ALLOYS AND STEELS (TC 68)

IEC 60404-6 Ed. 3.0 b cor.1:2018, Corrigendum 1 - Magnetic materials - Part 6: Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100 kHz by the use of ring specimens, $0.00

IEC 60404-16 Ed. 1.0 b cor.1:2018, Corrigendum 1 - Magnetic materials - Part 16: Methods of measurement of the magnetic properties of Fe-based amorphous strip by means of a single sheet tester, $0.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 34/SC 18 – Cocoa

ANSI has been informed that American Oil Chemists Society (AOCS), the ANSI-accredited U.S. TAG Administrator for ISO/TC 34/SC 18, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 34/SC 18 operates under the following scope:

> Standardization in the field of cocoa, including, but not limited to, terminology, sampling, product specifications, test methods, and requirements and verification criteria for determination of the sustainability and traceability of cocoa respectively.

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

New Secretariats

ISO/TC 215 – Health informatics

Comment Deadline: December 7, 2018

The U.S. TAG to ISO/TC 215 has requested to delegate the responsibilities of the administration of the ISO/TC 215 secretariat to ANSI. The secretariat was previously held by the American Health Information Management Association (AHIMA) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 215 operates under the following scope:

> Standardization in the field of health informatics, to facilitate capture, interchange and use of health-related data, information, and knowledge to support and enable all aspects of the health system.

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

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrators
TC 114 – *Horology*

There is currently no ANSI-accredited U.S. TAG Administrator for TC 114, TC 114/SC 3, TC 114/SC 12, TC 114/SC 13, TC 114/SC 14, and therefore ANSI is not a member of these committees. The Secretariats for these committees are currently held by Switzerland (SNV) for TC 114, TC 114,SC 3, TC 114/SC 13; by Japan (JISC) for TC 114/SC 12; and by China (SAC) for TC 114/SC 14.

TC 114 operates under the following scope:

Standardization in the field of instruments of small and large size intended for measuring time and time keeping :

- *terminology;*
- *technical definitions;*
- *standardization of overall dimensions;*
- *any other questions which may be proposed in the future*

TC 114/SC 3 operates under the following scope:

Water-resistant watches

TC 114/SC 12 operates under the following scope:

Antimagnetism

TC 114/SC 13 operates under the following scope:

Watch-glasses

TC 114/SC 14 operates under the following scope:

Table and wall clocks

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

Note to Reviewers:
This document contains proposed changes to the ANSI/ACCT 03-2016 Standards. Additions are underlined and shown in RED TEXT, deletions are shown with a double strikethrough. Additional notes and explanatory material are italicized and shown in *GREEN TEXT*. Only the standards listed below are open for review and comment at this time. Explanatory material is supporting material to the standards, not for review and comment.

Chapter 2:
OPERATION STANDARDS

B.3.7. The organization shall ~~have a staff assessment system in place addressing~~ conduct annual or more frequent staff assessments on core, technical, and ~~facilitation~~ interpersonal ~~and~~/program management competencies necessary to conduct course operations.

C. STAFF COMPETENCIES

C.1.2. ~~The organization's~~ Staff shall operate within the limits of their technical and ~~facilitation~~ interpersonal/program management skill level.

C.2.1.16 Staff shall ~~respond to non-routine situations, and~~ perform appropriate interventions and/or technical rescues ~~in a timely manner.~~

C.2.5. Self-Guided ~~and Monitored~~ Courses: Aerial Adventure/Trekking Parks

C.2.5.2. Staff shall ~~manage~~monitor and/or supervise use of appropriate belay systems.

C.2.5.4. Staff shall respond ~~in a timely manner~~ to participants needing assistance.

BSR/ASHRAE Addendum d to
ANSI/ASHRAE Standard 161-2018

Public Review Draft

Proposed Addendum d to Standard 161-2018, Air Quality within Commercial Aircraft

Second Public Review (November 2018)
(Draft shows Proposed Changes to Current Standard)

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

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

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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

FOREWORD

This proposed addendum updates the referenced filter types in Section 6.3.1 (Recirculated Air Quality) and adds/updates the respective references in Section 11 (References).

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum d to Standard 161-2018

Revise Section 6.3.1(Recirculated Air Quality) as shown below.

6.3.1 Recirculated Air Quality. All air that is recirculated through the aircraft systems shall pass through a high efficiency particulate air (HEPA) filter before it is supplied to the cabin. HEPA filters used for this purpose shall meet or exceed the requirements for Filter Type "A" as defined by ~~of~~ Institute of Environmental Science and Technology IEST-RP-CC001.6~~7~~.21[6] ~~Filter Type "A," or MERV 17 or H13 according to EN 1822-1[7] and shall provide a minimum of 99.97% collection efficiency for 0.3 micron particles.~~ Alternatively, the filters shall meet or exceed the requirements for filter class H13 ~~may be tested~~ according to EN1822-1[7] or ISO35H according to ISO29463.[26] ~~and shall provide a minimum of 99.95% overall collection efficiency at the most penetrating particle size~~. These filters and their mountings shall be designed, installed, and maintained or replaced according to manufacturer recommendations to prevent bypassing of unfiltered air due to media failure, improper installation, or other causes, and to prevent overloading. Alternative technology may be used to meet this requirement if it provides the same removal efficiency as required above for HEPA filters and is so demonstrated by a test method approved by a cognizant authority.

Revise Section 11 (References) as shown below. The rest of Section 11 is unchanged.

11. REFERENCES

6. IEST. 2016 ~~2007~~ IEST-RP-CC001.6~~7.2~~, 6th Edition, *HEPA and ULPA Filters ~~Testing ULPA Filters~~*, Mt. Prospect, IL: Institute of Environmental Science and Technology.

26. ISO (2011) "High-efficiency filters and filter media for removing particles in air — Part 1: Classification, performance testing and marking," ISO 29463-1: 2011(E), First Edition. International Organization for Standardization, Geneva, Switzerland, 2011

BSR/ASHRAE Addendum e to
ANSI/ASHRAE Standard 161-2018

Public Review Draft

Proposed Addendum e to Standard 161-2018, Air Quality within Commercial Aircraft

Second Public Review (November 2018)
(Draft shows Proposed Changes to Current Standard)

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

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

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

FOREWORD

This proposed addendum removes the hyphen in "high efficiency" in reference to HEPA filters and tempers the statement regarding whether HEPA filters remove bacteria and viruses, all in Section A4.8 (Bacteria and Viruses).

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum e to Standard 161-2018

Revise Section A4.8 (Bacteria and Viruses) in Informative Appendix A as shown below. The remainder of Appendix A in unchanged.

Informative Appendix A
Additional Information on Measures to Address Contamination of the Cabin and Flight Deck during Episodic or Nonepisodic Events

A4.8 Bacteria and Viruses. Aircraft air distribution system design is intended to minimize the spread of people-generated contaminants, including bacteria and viruses, by minimizing the airflow in the fore and aft directions, while providing ventilation to the airplane occupants. In addition, ~~high-efficiency~~ high efficiency particulate air filters (HEPA) on the recirculated air component are standard on most large, new production aircraft but are uncommon on the regional fleet. These filters ~~are designed to~~ may remove bacteria and viruses. Aircraft occupants may be infected by several routes of transmission: proximity, including direct contact (contact with an infected person) and indirect contact (touching an infected surface such as a cup or lavatory door handle and then touching one's mouth or eyes); exposure to aerosols due to proximity (aerosols generated by an infected person that land within a short distance); and, potentially, exposure to smaller airborne particles that are affected by airflow patterns in the cabin. The relative contributions of these transmission routes within the aircraft have not yet been quantified, but an important transmission route is believed to be close proximity. Other variables include pathogen type (i.e., clinically relevant dose) and individual susceptibility to infection. For both routes, the exposure potential, and therefore the risk of infection, will increase relative to the duration of the flight. For the contact route, regular hand washing and avoidance of touching one's face is expected to reduce the risk of infection. For the airborne route, the residency time of infectious agents in the passenger cabin air will be influenced by the total ventilation rate. That is, the greater the per-person total ventilation rate, the shorter the residency time, everything else being the same. Properly installed and maintained HEPA filters are designed to be effective at removing small particulate in the size range of single viruses and clusters and bacteria, which makes the total ventilation flow effective for dilution of particulates. Seating configuration and occupant activity will affect the degree of overlap between occupants' microenvironments. The relative contributions from contact with infected surfaces and airborne exposure should be assessed by a cognizant health organization.

Tracking #50i145r1 **Revision to NSF/ANSI 50-2017**
 Draft 1, Issue 145 (November 2018)

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

NSF/ANSI Standard

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

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

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Annex O
(normative)

Water quality testing devices

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O.12.1 Accuracy levels for pH (range of operation 5 to 10)

L1	between 6.7 and ~~7.7~~ 7.6	± 0.2 pH
	between ~~7.8~~ 7.7 and 8.5	± 0.2 pH
L2	between 6.7 and ~~7.7~~ 7.6	± 0.4 pH
	between ~~7.8~~ 7.7 and 8.5	± 0.4 pH
L3	between 6.7 and ~~7.7~~ 7.6	± 0.5 pH
	between ~~7.8~~ 7.7 and 8.5	± 0.5 pH
	strip or comparator	within 1 increment of the expected value

•
•
•

O.12.6 Accuracy levels for cyanuric acid (range of operation 0 to 240 mg/L)

L1	between 0 and ~~30~~ 35	± 15%
	between ~~31~~ 36 and ~~50~~ 80	± 12%
	between ~~51~~ 81 and ~~70~~ 120	± 10%
	~~between 71 and 100~~	~~± 10%~~
	between ~~101~~ 121 and 240	± 15%

L2	~~between 0 and 200~~ all solutions	± 20%
L3	~~between 0 and 200~~ all solutions	± 50%
	strip or comparator	within 1 increment of the expected value

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

NSF International Standard/
American National Standard –

Food Equipment Materials

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•
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3.xxx Heated Organic Coating: An organic coating applied to a surface where operating temperatures of the appliance may result in blistering, softening, or other heat-related degradation of the coating.

***Rationale**: the creation of a definition to support the newly created term for Heated Organic Coating in section 6.2.2.4 of Standard 51.*

BSR/UL 60079-18, Standard for Safety for *Explosive Atmospheres - Part 18: Equipment Protection by Encapsulation "m"*

1. Correction to the Cable Pull Test Procedure in 8.2.5.1

PROPOSAL

Cable pull test

Test procedure

8.2.5.1DV DR Modification of Clause 8.2.5.1 to replace with the following:

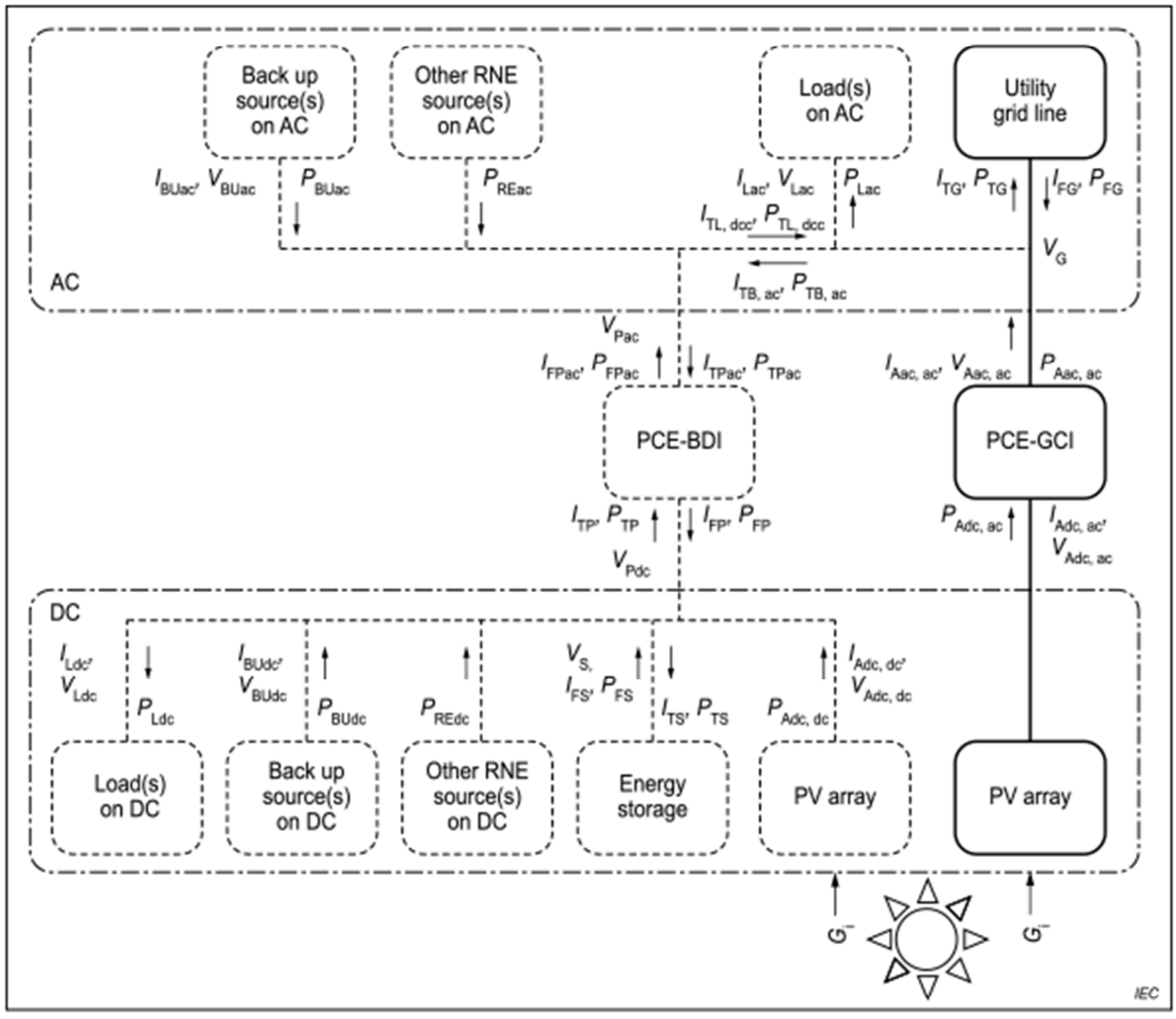
The test shall be carried out on one sample, previously unstressed and at (21 ~~°C~~ ± 2 °C).

A further test sample shall be subjected to the cable pull test after conditioning according to 8.2.3.1 at the maximum temperature at the cable entry point.

The tensile force (in Newton) applied shall either be 20 times the value in millimetres of the diameter of the cable or ~~5~~ 50 times the mass (in kilograms) of the "m" equipment, whichever is the lower value. This value can be reduced to 25 % of the required value in the case of permanent installations. The minimum tensile force shall be 1 N and the minimum duration shall be 1 h. The force shall be applied in the least favourable direction.

BSR/UL 61724-1, Standard for Photovoltaic System Performance - Part 1: Monitoring

1. Revisions to the First Edition of the UL IEC-Based Standard for Photovoltaic System Performance - Part 1: Monitoring, UL 61724-1.



su2743

Key

RNE renewable energy

PCE power conditioning equipment

BDI bi-directional inverter

GCI grid-connected inverter

Bold lines denote simple grid-connected system without local loads, energy storage, or auxiliary sources.

Figure 1 - Possible elements of PV systems

Figure 1DV DR Modification in accordance with the following:

Wherever the term "bidirectional inverter" is used, replace with the term "multimode inverter".

2DV DC Addition of the following standards that are also available for use:

ANSI C12.1, Electric Meters - Code for Electricity Metering

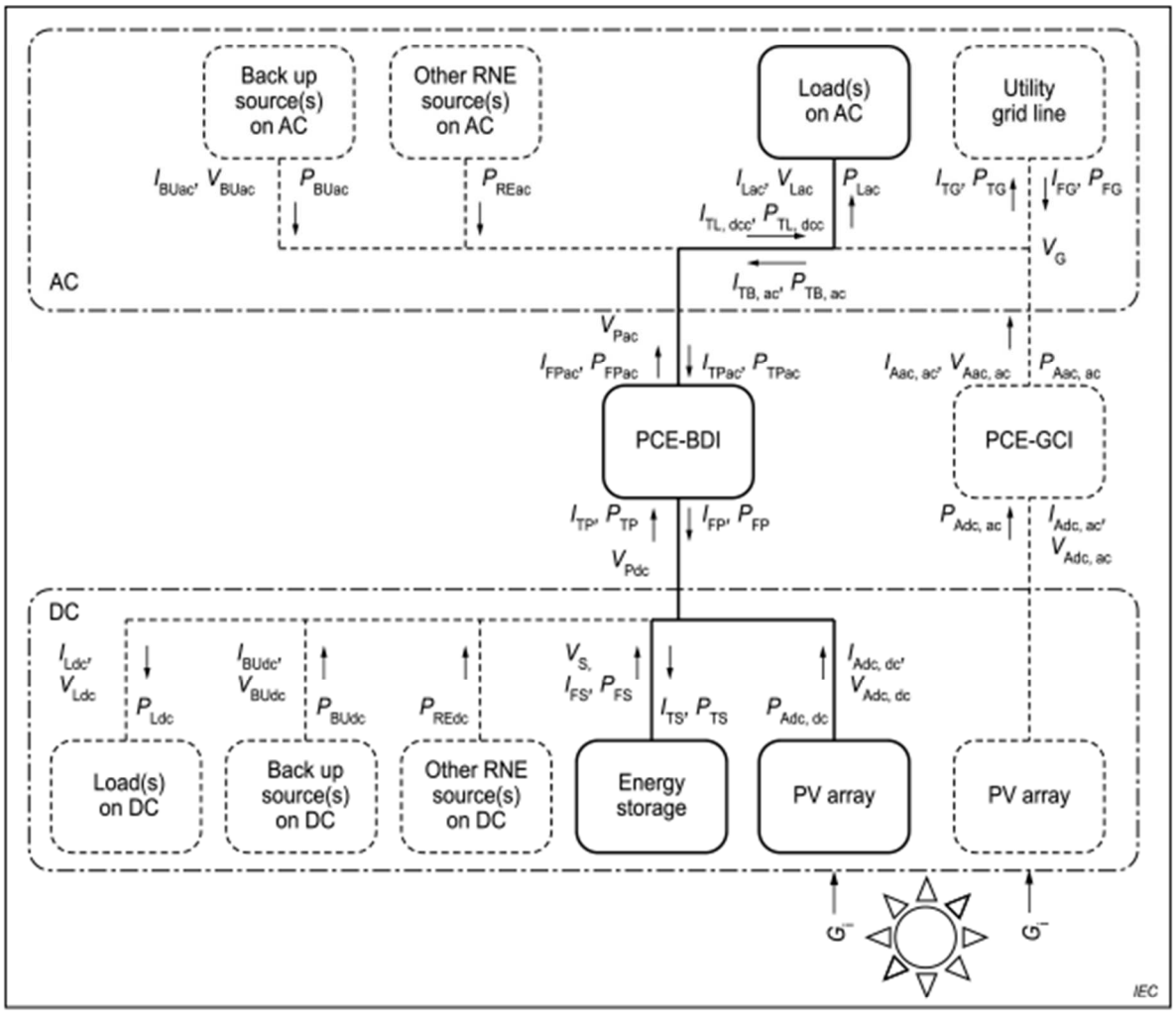
ANSI C12.20, Electricity Meters 0.1, 0.2 and 0.5 Accuracy Classes

8.1 Daylight hours

Processed data for irradiance and PV-generated power should be restricted to the daylight hours of each day (sunrise to sunset, irradiance ≥ 20 W/m^2) to avoid extraneous night-time data values that introduce errors in analyses, unless such errors have been demonstrated to be negligible.

8.1DV DE Addition of the following note:

NOTE: Owners may wish to gather data at night to verify system losses and as a system diagnostic measure.



su2743a

Key

RNE renewable energy

PCE power conditioning equipment

BDI bi-directional inverter

GCI grid-connected inverter

Figure D.1 - Energy flow between possible elements of different PV system types

Figure D.1DV DR Modification in accordance with the following:

Wherever the term "bi-directional inverter" is used, replace with the term "multi-mode inverter".

BSR/UL 61724-3, Standard for Photovoltaic system performance - Part 3: Energy evaluation method

1. Revisions to the First Edition of the UL IEC-Based Technical Specification for Photovoltaic System Performance - Part 3: Energy Evaluation Method, UL 61724-3.

NATIONAL DIFFERENCES

National Differences from the text of International Electrotechnical Commission (IEC) Publication IEC 61724-3 are indicated by notations (differences) and are presented in bold text. The national difference type is included in the body.

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

D1 - These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

D2 - These are National Differences based on **safety practices**. These are differences for IEC requirements that may be acceptable, but adopting the IEC requirements would require considerable retesting or redesign on the manufacturer's part.

DC - These are National Differences based on the **component standards** and will not be deleted until a particular component standard is harmonized with the IEC component standard.

DE - These are National Differences based on **editorial comments or corrections**.

DR - These are National Differences based on the **national regulatory requirements**.

Each national difference contains a description of what the national difference entails. Typically one of the following words is used to explain how the text of the national difference is to be applied to the base IEC text:

Addition / Add - An addition entails adding a complete new numbered clause, subclause, table, figure, or annex. Addition is not meant to include adding select words to the base IEC text.

Deletion / Delete - A deletion entails complete deletion of an entire numbered clause, subclause, table, figure, or annex without any replacement text.

Modification / Modify - A modification is an altering of the existing base IEC text such as the addition, replacement or deletion of certain words or the replacement of an entire clause, subclause, table, figure, or annex of the base IEC text.

6 Procedure

6.5 Identification of erroneous data and replacement or adjustment of such data and preparation of model input dataset

6.5.12 Inverter clipping (constrained operation)

In the case of inverter clipping because the inverter has reached its output capability, it is assumed that the model originally quantified the output assuming this clipping. The expected energy should be calculated in the same way.

6.5.12DV DE Addition of the following note:

NOTE: Inverter limiting may occur due to operational limits being reached such as maximum rated output power or temperature de-rating. Power limits are often readily available; however temperature limits may result from higher than expected ambient temperature, solar gain on the inverter enclosure or both that are site-specific. The ac power output from each inverter should automatically be compared to the dc power input and the user should consider limiting factors in the event that the ratio of these values differs more than would be accounted for by the inverter power conversion efficiency.

BSR/UL 330, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

1. Addition of Check Valve Endurance Test

PROPOSAL

PERFORMANCE

18A Check Valve Endurance Test

18A.1 A check valve, whose failure would allow leakage from the liquid portion of the hose to the vapor portion of the hose of a vapor recovery hose, shall perform in its intended manner when tested as described in 18A.2 - 18A.3. There shall be no external leakage before and after the endurance test. There shall be no sticking of the valve, nor shall the valve become inoperative after the endurance test.

18A.2 The check valve is to be operated for 100,000 cycles. One cycle is completed by applying an aerostatic pressure sufficient to unseat the valve and then releasing the pressure.

18A.3 Following the completion of the endurance test, the sample shall not leak when subjected to an appropriate liquid or aerostatic pressure of 1-1/2 times its maximum design pressure.

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

1. Revision of Lab Environment Conditions for Comparative Tracking Index (CTI) Tests in Section 24

24.3 ~~For the ASTM method, all specimens are to be tested in a laboratory atmosphere of 20.0 ±5.0°C. All specimens are to be maintained at 23 ±2°C and 50 ±10 percent relative humidity for a minimum of 48 hours prior to testing.~~ Reference to be made to the Standard Test Method for Comparative Tracking Index of Electrical Insulating Materials, ASTM D3638 for the temperature and humidity requirements for sample conditioning prior to testing and for the lab ambient condition while performing the test. The test method for determination of the Comparative Tracking Index per ASTM D3638 is to be supplemented by the procedure indicated in Figure 24.1.

24.6 ~~For the IEC method, all specimens are to be tested in a laboratory atmosphere of 23.0 ±5.0°C. All specimens are to be maintained at 23 ±5°C and 50 ±10 percent relative humidity for a minimum of 24 hours prior to testing.~~ Reference to be made to the Method for the determination of the proof and the comparative tracking indices of solid insulating materials, IEC 60112 for the temperature and humidity requirements for sample conditioning prior to testing and for the lab ambient condition while performing the test.

BSR/UL 923, Standard for Household Microwave Ovens

2. Child-Resistant Microwave Oven Doors

RATIONALE

Responses to comments have been posted within the UL 923 Proposal Review Work Area dated August 3, 2018.

PROPOSAL

36A.1.1 The user shall be required to perform two distinct actions to open a door that provides access to the oven cavity. Actions such as slide and pull or twist and push are examples of actions which generally comply with the intent of the requirement. For touch-type controls, touching two different touch pads but not the same touch pad twice meets the intent of the requirement.

Exception: This section does not apply on the following product types:

a) Over-the-cooktop or under-cabinet mounted ovens provided the manufacturer's installation instructions is marked in accordance with 74.6.

b) Built-in or wall-mounted ovens provided either:

1) The manufacturer's installation instructions are marked in accordance with 74.7;

2) The product has a bottom-hinged door; or

3) The product is a drawer microwave.

c) Microwave ovens intended for commercial use only, and marked in accordance with 71.1.3(f).

~~*d) Microwaves where biometric verification is used to open the door. If the model has alternative methods of opening the door manually this exception does not apply.*~~

36A.1.2 ~~The Exception to 36A.1.1 does not apply if the model has alternative methods of opening the door manually.~~ Microwave ovens where there is more than one method (sequence of actions) to open the door shall have each method evaluated separately for compliance with 36A.1.1.

BSR/ASHRAE/IES Addendum bi
to ANSI/ASHRAE/IES Standard 90.1-2016

Public Review Draft

Proposed Addendum bi to Standard 90.1-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings

First Public Review (November 2018)
(Draft Shows Proposed Changes to Current Standard)

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

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

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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

FOREWORD

The addendum updates the reference year for Standard 140 in Sections 11 and 12 as well as Appendix C and G. ANSI/ASHRAE Standard 140-2017 adds test cases for building energy simulation models of airside HVAC mechanical equipment, provided with new Sections 5.5 and 6.5 of Standard 140. These test cases are added to the existing test cases of Standard 140-2014, which are also included in Standard 140-2017. The new test cases were adapted from Airside HVAC BESTEST: Adaptation of ASHRAE RP 865 Airside HVAC Equipment Modeling Test Cases for ASHRAE Standard 140, Volume 1 Cases AE101 – AE445, developed by the National Renewable Energy Laboratory in collaboration with ASHRAE SSPC 140 and several international software developers.

In addition, the addendum adds more specific requirements about what Standard 140 test results are to be provided and how the engineer provides the results. The informative note clarifies that no pass or fail criteria are established in either Standard 140 or in 90.1.

This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

Note to Reviewers: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum bi to 90.1-2016

Revise the Standard as follows (IP/SI Units)

11.4 Simulation General Requirements

11.4.1 Simulation Program

11.4.1.4 The *simulation program* shall be tested according to ASHRAE Standard 140, except for Sections 7 and 8 of Standard 140~~,~~. ~~and the results shall be furnished by the software provider.~~ The test results and modeler reports shall be posted on a publicly available website and shall include the test results of the simulation program alongside the results of the other simulation programs included in ASHRAE Standard 140 Annexes B8 and B16. The modeler report in Standard 140 Annex A2

Attachment A2.7 shall be completed for results exceeding the maximum or falling below the minimum of the reference values or for missing results.

Informative note: There are no pass/fail criteria established by this requirement.

11.7 Documentation Requirements

f. The version of the software and the link to the website that contains the ASHRAE Standard 140 results for the version used in accordance with Section 11.4.1.4.

12 Normative References

ANSI/ASHRAE Standard 140-~~2014~~2017 Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs

C2 Output Requirements

C2.9 The version of the software and the link to the website that contains the ASHRAE Standard 140 results for the version used in accordance with Section C3.1.4.

C3 SIMULATION GENERAL REQUIREMENTS

C3.1 Simulation Program

C3.1.4 The *simulation program* shall be tested according to ASHRAE Standard 140, except for Sections 7 and 8 of Standard 140~~,~~. ~~and the results shall be furnished by the software provider.~~ The test results and modeler reports shall be posted on a publicly available website and shall include the test results of the simulation program alongside the results of the other simulation programs included in ASHRAE Standard 140 Annexes B8 and B16. The modeler report in Standard 140 Annex A2 Attachment A2.7 shall be completed for results exceeding the maximum or falling below the minimum of the reference values or for missing results.

Informative note: There are no pass/fail criteria established by this requirement.

G1.3 Documentation Requirements

q. The version of the software and the link to the website that contains the ASHRAE Standard 140 results for the version used in accordance with Section G2.2.4.

G2 SIMULATION GENERAL REQUIREMENTS

G2.2 Simulation Program

G2.2.4 The *simulation program* shall be tested according to ASHRAE Standard 140, except for Sections 7 and 8 of Standard 140.~~,~~ ~~and the results shall be furnished by the software provider.~~ The test results and modeler reports shall be posted on a publicly available website and shall include the test results of the simulation program alongside the results of the other simulation programs included in ASHRAE Standard 140 Annexes B8 and B16. The modeler report in Standard 140 Annex A2 Attachment A2.7 shall be completed for results exceeding the maximum or falling below the minimum of the reference values or for missing results.

Informative note: There are no pass/fail criteria established by this requirement.

==========

Section 11.7 and G1.3 are also modified by addendum O which is not yet published. If addendum O and this addendum are published, the section will be appear as follows. Text that did not appear in addendum O or in the previous sections of this draft, are shown below in strikethrough/underline:

11.7.2 Permit Application Documentation

f. The version of the software and the link to the website that contains the ASHRAE Standard 140 results for the version used in accordance with Section 11.4.1.4.

G1.3.2 Application Documentation

q. The version of the software and the link to the website that contains the ASHRAE Standard 140 results for the version used in accordance with Section G2.2.4.

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*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

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The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/18/2018	12/24/2018	Jan-4	2/3/2019	2/18/2019	3/5/2019
2	12/25/2018	12/31/2018	Jan-11	2/10/2019	2/25/2019	3/12/2019
3	1/1/2019	1/7/2019	Jan-18	2/17/2019	3/4/2019	3/19/2019
4	1/8/2019	1/14/2019	Jan-25	2/24/2019	3/11/2019	3/26/2019
5	1/15/2019	1/21/2019	Feb-1	3/3/2019	3/18/2019	4/2/2019
6	1/22/2019	1/28/2019	Feb-8	3/10/2019	3/25/2019	4/9/2019
7	1/29/2019	2/4/2019	Feb-15	3/17/2019	4/1/2019	4/16/2019
8	2/5/2019	2/11/2019	Feb-22	3/24/2019	4/8/2019	4/23/2019
9	2/12/2019	2/18/2019	Mar-1	3/31/2019	4/15/2019	4/30/2019
10	2/19/2019	2/25/2019	Mar-8	4/7/2019	4/22/2019	5/7/2019
11	2/26/2019	3/4/2019	Mar-15	4/14/2019	4/29/2019	5/14/2019
12	3/5/2019	3/11/2019	Mar-22	4/21/2019	5/6/2019	5/21/2019
13	3/12/2019	3/18/2019	Mar-29	4/28/2019	5/13/2019	5/28/2019
14	3/19/2019	3/25/2019	Apr-5	5/5/2019	5/20/2019	6/4/2019
15	3/26/2019	4/1/2019	Apr-12	5/12/2019	5/27/2019	6/11/2019
16	4/2/2019	4/8/2019	Apr-19	5/19/2019	6/3/2019	6/18/2019
17	4/9/2019	4/15/2019	Apr-26	5/26/2019	6/10/2019	6/25/2019
18	4/16/2019	4/22/2019	May-3	6/2/2019	6/17/2019	7/2/2019
19	4/23/2019	4/29/2019	May-10	6/9/2019	6/24/2019	7/9/2019
20	4/30/2019	5/6/2019	May-17	6/16/2019	7/1/2019	7/16/2019
21	5/7/2019	5/13/2019	May-24	6/23/2019	7/8/2019	7/23/2019
22	5/14/2019	5/20/2019	May-31	6/30/2019	7/15/2019	7/30/2019
23	5/21/2019	5/27/2019	Jun-7	7/7/2019	7/22/2019	8/6/2019
24	5/28/2019	6/3/2019	Jun-14	7/14/2019	7/29/2019	8/13/2019
25	6/4/2019	6/10/2019	Jun-21	7/21/2019	8/5/2019	8/20/2019
26	6/11/2019	6/17/2019	Jun-28	7/28/2019	8/12/2019	8/27/2019
27	6/18/2019	6/24/2019	Jul-5	8/4/2019	8/19/2019	9/3/2019
28	6/25/2019	7/1/2019	Jul-12	8/11/2019	8/26/2019	9/10/2019
29	7/2/2019	7/8/2019	Jul-19	8/18/2019	9/2/2019	9/17/2019

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31	7/16/2019	7/22/2019	Aug-2	9/1/2019	9/16/2019	10/1/2019
32	7/23/2019	7/29/2019	Aug-9	9/8/2019	9/23/2019	10/8/2019
33	7/30/2019	8/5/2019	Aug-16	9/15/2019	9/30/2019	10/15/2019
34	8/6/2019	8/12/2019	Aug-23	9/22/2019	10/7/2019	10/22/2019
35	8/13/2019	8/19/2019	Aug-30	9/29/2019	10/14/2019	10/29/2019
36	8/20/2019	8/26/2019	Sep-6	10/6/2019	10/21/2019	11/5/2019
37	8/27/2019	9/2/2019	Sep-13	10/13/2019	10/28/2019	11/12/2019
38	9/3/2019	9/9/2019	Sep-20	10/20/2019	11/4/2019	11/19/2019
39	9/10/2019	9/16/2019	Sep-27	10/27/2019	11/11/2019	11/26/2019
40	9/17/2019	9/23/2019	Oct-4	11/3/2019	11/18/2019	12/3/2019
41	9/24/2019	9/30/2019	Oct-11	11/10/2019	11/25/2019	12/10/2019
42	10/1/2019	10/7/2019	Oct-18	11/17/2019	12/2/2019	12/17/2019
43	10/8/2019	10/14/2019	Oct-25	11/24/2019	12/9/2019	12/24/2019
44	10/15/2019	10/21/2019	Nov-1	12/1/2019	12/16/2019	12/31/2019
45	10/22/2019	10/28/2019	Nov-8	12/8/2019	12/23/2019	1/7/2020
46	10/29/2019	11/4/2019	Nov-15	12/15/2019	12/30/2019	1/14/2020
47	11/5/2019	11/11/2019	Nov-22	12/22/2019	1/6/2020	1/21/2020
48	11/12/2019	11/18/2019	Nov-29	12/29/2019	1/13/2020	1/28/2020
49	11/19/2019	11/25/2019	Dec-6	1/5/2020	1/20/2020	2/4/2020
50	11/26/2019	12/2/2019	Dec-13	1/12/2020	1/27/2020	2/11/2020
51	12/3/2019	12/9/2019	Dec-20	1/19/2020	2/3/2020	2/18/2020
52	12/10/2019	12/16/2019	Dec-27	1/26/2020	2/10/2020	2/25/2020