ANSI STANDARDS ACTION

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

VOL. 47, #3 *January 15, 2016*

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: February 14, 2016

SPRI (Single Ply Roofing Institute)

Revision

BSR/SPRI GT-1-201x, Test Standard for Gutter Systems (revision and redesignation of ANSI/SPRI GD-1-2010)

This standard provides methodology for the testing of gutters. This standard is applicable to roof gutters of all material types and installation methods. This standard specifies a laboratory method for static testing external gutters. Testing of gutters with a circular cross-section is not addressed in this standard. This standard does not address water removal or the water-carrying capability of the gutter, and does not consider downspouts or leaders.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Linda King, (781) 647-7026, info@spri.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 9-201x, Standard for Safety for Fire Tests of Window Assemblies (revision of ANSI/UL 9-2015)

(1) Radiant heat flux.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1236-201X, Standard for Safety for Battery Chargers for Charging Engine-Starter Batteries (Proposal dated 1/15/16) (revision of ANSI/UL 1236 -2011)

(1) Modify Supplement SC to allow a communication interface to take the place of physical meters and alarms. (2) Modify Supplement SE to allow a communication interface to take the place of physical meters and alarms.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549 -1053, Joshua.Johnson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1310-201X, Standard for Safety for Class 2 Power Units (Proposal dated 1-15-16) (revision of ANSI/UL 1310-2014a)

Addition of requirements for a power unit with an external battery pack.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jonette Herman, (919) 549 -1479, Jonette.A.Herman@ul.com

Comment Deadline: February 29, 2016

ASA (ASC S1) (Acoustical Society of America)

Reaffirmation

BSR/ASA S1.15-1997/Part 1 (R201x), Measurement Microphones - Part 1: Specifications for Laboratory Standard Microphones (reaffirmation of ANSI/ASA S1.15-1997/Part 1 (R2011))

This Standard specifies mechanical dimensions and certain electroacoustical characteristics for capacitor (condenser) microphones used as laboratory standards for sound pressure measurements of the highest attainable accuracy. The specifications are intended to ensure that primary calibration by the reciprocity method can be readily carried out. This Standard establishes a system to classify laboratory standard microphones into a number of types according to their dimensions and properties.

Single copy price: $90.00

Obtain an electronic copy from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

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

ASA (ASC S1) (Acoustical Society of America)

Reaffirmation

BSR/ASA S1.42-2001 (R201x), Design Response of Weighting Networks for Acoustical Measurements (reaffirmation of ANSI/ASA S1.42-2001 (R2011))

Provides the design criteria for both the frequency-domain response (amplitude and phase) and time-domain of the A- and C-weighting networks used in acoustical measurements. The poles and zeros for each weighting network are given, along with equations for computing the amplitude and phase responses as functions of frequency and impulse and step responses as functions of time. B-, D-, and E-weightings are listed in the Annexes for reference.

Single copy price: $130.00

Obtain an electronic copy from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

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

ASA (ASC S1) (Acoustical Society of America)

Revision

BSR/ASA S1.8-201X, Reference Values for Levels Used in Acoustics and Vibrations (revision of ANSI/ASA S1.8-1989 (R2011))

This Standard provides reference values for commonly used levels in acoustics, electroacoustics, and mechanical vibrations. The use of levels to describe acoustical or vibratory quantities is not made mandatory by this Standard. Reference values are provided for use when levels are employed.

Single copy price: $90.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: asastds@acousticalsociety.org

Send comments (with copy to psa@ansi.org) to: Susan Blaeser, asastds@acousticalsociety.org

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

BSR/ASA S2.24-2001 (R201x), Graphical Presentation of the Complex Modulus of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.24-2001 (R2011))

The mechanical properties of most viscoelastic materials depend on frequency, temperature, and strain amplitude at large strains. This Standard is restricted to small total strain and linear behavior. It does not cover the effects of static pre-strain or of dynamic strain amplitude. This Standard applies to presentation of modulus and loss factor data of viscoelastic materials as functions of temperature and frequency.

Single copy price: $90.00

Obtain an electronic copy from: asastds@acousticalsociety.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S276.8 MONYEAR-201x, Slow-Moving Vehicle Identification Emblem (SMV Emblem) (revision of ANSI/ASAE S276.7 W/Corr.1 SEP2010 (R2014))

Establishes specs that define a unique identification emblem, the Slow-Moving Vehicle Emblem (SMV), to be used only for slow-moving machines (vehicles), when operated or traveling on public roads. Requirements and applications of the standard are defined in the standard. The purpose is to communicate to third parties the slower speed capabilities of the slow-moving vehicle to other vehicle(s) using public roads. Primary application of the SMV emblem will be with implements of husbandry but may be used with other machines or vehicles that travel at speeds less than 40 km/h (25 mile/h).

Single copy price: $58.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

ECIA (Electronic Components Industry Association)

New Standard

BSR/EIA 364-115-201x, Current Overload Test Procedure for Electrical Connectors and Sockets (new standard)

This document outlines the general requirements for families of high-density/high-performance electrical connectors, intended for printed circuit board attachment and connection, utilizing through-hole (solder and compliant pin), surface-mount, or wire-harness termination techniques. The connectors may include low-level signal-logic-type contacts, power contacts, shielded contacts, and optical termini. These connectors may also offer severe operating environment performance capability, such as protective hoods, contact sealing, interfacial seals, electrostatic shielding, or other advanced capabilities.

Single copy price: $72.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

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

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

FM (FM Approvals)

New Standard

BSR/FM 4477-201x, Vegetative Roof Systems (new standard)

This test standard provides a procedure for evaluating vegetative roof systems for their performance in regard to fire from above and below the structural deck, foot traffic, puncture resistance and water leakage.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmapprovals.com

Order from: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

Send comments (with copy to psa@ansi.org) to: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 130-201X, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010)

This standard describes the installation and maintenance procedures for wiring devices.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 169-201X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010)

This standard describes the installation and maintenance procedures for arc-fault circuit interrupters (AFCIs) and ground-fault circuit interrupters (GFCIs).

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 230-201X, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010)

This standard describes recommended procedures for selecting and installing stationary electric motors and motor controllers rated 1000 volts or less. It also covers routine maintenance procedures to be followed after the installation is complete.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 430-201X, Standard for Installing and Maintaining Medium-Voltage Switchgear (revision of ANSI/NECA 430-2006)

This standard describes site preparation, installation, and maintenance procedures for medium-voltage switchgear nominally rated 5 kV and 15 kV AC. Medium-voltage switchgear may be classified as either metal-clad switchgear or metal-enclosed switchgear.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 700-201X, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)

This standard describes the application procedures for selecting and adjusting low-voltage overcurrent protective devices to achieve selective coordination.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NISO (National Information Standards Organization)

Reaffirmation

BSR/NISO Z39.2-1994 (R201x), Information Interchange Format (reaffirmation of ANSI/NISO Z39.2-1994 (R2009))

The basis for the MARC (Machine Readable Catalog) record, this standard specifies the requirements for a generalized interchange format that can be used for the communication of records in any media.

Single copy price: $89.00

Obtain an electronic copy from: http://www.niso.org/apps/group_public/download.php/12590/z39-2-1994%28r2009%29.pdf

Order from: Nettie Lagace, (301) 654-2512, nlagace@niso.org

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

NISO (National Information Standards Organization)

Withdrawal

BSR/NISO/ISO 12083-1995 (R2009), Electronic Manuscript Preparation and Markup (withdrawal of ANSI/NISO/ISO 12083-1995 (R2009))

This was a national adoption of an international ISO standard. In complete conformance with ISO 8879 (SGML - Standard Generalized Markup Language), 12083 provides a toolkit for developing customized SGML applications. Four document-type definitions are specified for books, serials, articles, and mathematics. Instructions for the preparation of text for the near-automatic conversion to grade-2 braille and for publication in large-print and computer-voice editions are included.

Single copy price: $200.00

Order from: http://www.niso.org/contact/

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 82-201X, Standard for Safety for Electric Gardening Appliances (Proposal dated 10-10-2014) (revision of ANSI/UL 82-2015)

The proposal is to add the following: (1) New and revised requirements for extended-reach pole pruners; (2) New and revised requirements for cordless brushcutters.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 06/19/15) (revision of ANSI/UL 498-2014a)

This proposal includes: (1) Alternative markings added to free up surface area in order to accommodate the increasing number of required markings and features on receptacle products; (2) Additional safety requirements addressing a receptacle with integral power supply with one or more Class 2 outputs which employ a separable face assembly; (3) Additional exemption added to address Horsepower Overload Testing for specific configurations; (4) Clarification of wording in SF3.4s; (5) Supplement SG, Use of Nonmetallic Sheathed Cable Interconnects.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1610-201X, Standard for Safety for Central-Station Burglar-Alarm Units (revision of ANSI/UL 1610-2015)

Revisions based on comments received on the proposal for remote access to alarm panels, via smart devices and/or the internet.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

VITA (VMEbus International Trade Association (VITA))

Revision

BSR/VITA 51.2-201x, Physics of Failure Reliability Predictions (revision of ANSI/VITA 51.2-2011)

Establish uniform practices, take advantage of current developments, and clarify reliability prediction expectations using physics of failure methodologies. Revision 2015: Include Arrhenius Equation, Revise Boltzmann's constant usage, and other editorial edits.

Single copy price: $25.00

Obtain an electronic copy from: admin@workspace.vita.com

Order from: Jing Kwok, (602) 281-4497, jing.kwok@vita.com

Send comments (with copy to psa@ansi.org) to: admin@workspace.vita.com

Comment Deadline: March 15, 2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 4.2-1969 (R201x), Coal Pulverizers (reaffirmation of ANSI/ASME PTC 4.2-1969 (R2009))

The purpose of this code is to establish procedures for conducting performance tests to determine: Capacity, fineness of product, raw coal feed, grindability, moisture, sizing, power consumption and effect of changes in raw coal, characteristics on product fineness, pulverizer capacity, and power consumption, effect of changes in pulverizer component settings on product fineness, pulverizer capacity, and power consumption. This Code applies to the pulverizing system as a whole, including all the component parts necessary to take the raw coal, hot air, and tempering air at the system inlet and deliver pulverized coal in proper mixture with air and/or flue gas at the desired temperature at the outlet of the system.

Single copy price: $80.00

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

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

Send comments (with copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 6.2-2011 (R201x), Steam Turbines in Combined Cycles (reaffirmation of ANSI/ASME PTC 6.2-2011)

ASME PTC 6.2 is a performance test code for testing steam turbines in combined cycles with or without supplementary firing and in cogeneration applications. It addresses the testing and calculating of turbine-generator output performance corrected to reference conditions as a measure of overall turbine performance. This Code contains rules and procedures for the conduct and reporting of steam turbine testing, including requirements for pretest arrangements, testing techniques, instrumentation, methods of measurement, and methods for calculating test results and uncertainty.

Single copy price: $135.00

Obtain an electronic copy from: http://www.asme.org/kb/standards

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

Send comments (with copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 6A-2000 (R201x), Appendix A to PTC 6, the Test Code for Steam Turbines (reaffirmation of ANSI/ASME PTC 6A-2000 (R2009))

This appendix has been prepared to facilitate the calculation and correction of turbine test results by furnishing numerical examples of the procedures outlined in PTC 6, the Performance Test Code on Steam Turbines. The feedwater heating cycles and gland leak-off systems have been simplified by avoiding unnecessarily long or repetitive calculations while still demonstrating the basic principles involved. The general guidelines for making these calculations and comparisons to specified performance are given.

Single copy price: $120.00

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

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

Send comments (with copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME V&V 20-2009 (R201x), Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer (reaffirmation of ANSI/ASME V&V 20-2009)

This Standard addresses verification and validation (V&V) in computational fluid dynamics and heat transfer, to assess the accuracy of computational simulations in engineering and scientific modeling problems.

Single copy price: $72.00

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

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

Send comments (with copy to psa@ansi.org) to: Marian Heller, (212) 491 -8514, hellerme@asme.org

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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/IEC 60601-1-12, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (identical national adoption of IEC 60601-1-12:2014)

ASA (ASC S1) (Acoustical Society of America)

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

Contact: *Susan Blaeser*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S1.8-201X, Reference Values for Levels Used in Acoustics and Vibrations (revision of ANSI/ASA S1.8-1989 (R2011))

Obtain an electronic copy from: asastds@acousticalsociety.org

BSR/ASA S1.15-1997/Part 1 (R201x), Measurement Microphones - Part 1: Specifications for Laboratory Standard Microphones (reaffirmation of ANSI/ASA S1.15-1997/Part 1 (R2011))

Obtain an electronic copy from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

BSR/ASA S1.42-2001 (R2011), Design Response of Weighting Networks for Acoustical Measurements (reaffirmation of ANSI/ASA S1.42-2001 (R2011))

Obtain an electronic copy from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

INMM (ASC N15) (Institute of Nuclear Materials Management)

Office: 9800 S. Cass Avenue
Argonne, IL 60439

Contact: *Chino Srinivasan*

Phone: 630-252-1985

E-mail: b.srinivasan@science.doe.gov

BSR N15.36-201x, Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay Measurement Control and Assurance (revision of ANSI N15.36-2010)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Contact: *Casey Granata*

Phone: (919) 549-1054

E-mail: Casey.Granata@UL.Com

BSR/UL 82-201X, Standard for Safety for Electric Gardening Appliances (Proposal dated 10-10-2014) (revision of ANSI/UL 82-2015)

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

BSR/UL 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 06/19/15) (revision of ANSI/UL 498 -2014a)

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

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 51.2-201x, Physics of Failure Reliability Predictions (revision of ANSI/VITA 51.2-2011)

Obtain an electronic copy from: admin@workspace.vita.com

Call for Members (ANS Consensus Bodies)

UL Standards Committees

Underwriters Laboratories (UL) seeks to have STPs in which an interest category does not make up more than one-third of the overall voting membership. UL is seeking representatives from the following interest categories to serve on STP 38, Manual Signaling Boxes for Fire Alarm Systems:

AHJ / Regulator: Those involved in the regulation or enforcement of the requirements of codes and standards at a regional (e.g., state or province) and/or local level. The authority having jurisdiction may be a regional or local department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, state department of insurance official, labor department, or health department; building official; electrical inspector; or others having statutory authority.

Commercial/Industrial User: Organizations that use the product, systems, or service covered by the applicable standards under the STP in a commercial or industrial setting. Examples include a restaurant owner/operator serving on an STP for commercial cooking equipment, or a gas station owner/operator serving on an STP for flammable liquid storage tanks. Representative of organizations that produce products, systems, or services covered by the standard, whose organization also use the product, system, or services, are not eligible for STP membership under this category.

General Interest: Consultants, members of academia, scientists, special experts, representatives of professional societies, trade associations, non-governmental organizations, or representatives of companies that only private-brand label products (made by another manufacturer) covered by the STP, and other individuals etc. that are not covered by the other participation categories.

Supply Chain: Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components, installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by STP 38 but solely use contract manufacturers to make those products are considered part of the Supply Chain interest category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the Supply Chain interest category.

Testing and Standards Organization: Organizations that test and/or certify products, services, or systems covered by the standard, or that develop standards/codes related to the products, services, or systems covered by the Standard.

Inquiries regarding membership should be sent to:

Paul Lloret
Underwriters Laboratories Inc.
455 East Trimble Road
San Jose, CA 95131-1230
Phone: (408) 754-6618
E-mail: paul.e.lloret@ul.com

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI EC12-2010 (R2015), Disposable ECG electrodes (reaffirmation of ANSI/AAMI EC12-2000 (R2010)): 12/30/2015

ANSI/AAMI/IEC 60601-2-4-2010 (R2015), Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators (reaffirmation of ANSI/AAMI/IEC 60601-2-4-2010): 12/30/2015

Withdrawal

ANSI/AAMI EC71-2001 (R2013), Standard communications protocol - Computer assisted electrocardiography (withdrawal of ANSI/AAMI EC71-2001 (R2013)): 12/23/2015

ABYC (American Boat and Yacht Council)

New Standard

* ANSI/ABYC A-14-2015, Gasoline and Propane Gas Detection Systems (new standard): 12/30/2015

* ANSI/ABYC A-24-2015, Carbon Monoxide Detection Systems on Boats (new standard): 12/30/2015

* ANSI/ABYC H-4-2015, Cockpit Drainage Systems (new standard): 12/30/2015

* ANSI/ABYC H-31-2015, Seat Structures (new standard): 12/30/2015

Revision

* ANSI/ABYC A-31-2015, Battery Chargers and Inverters (revision of ANSI/ABYC A-31-2010): 12/30/2015

* ANSI/ABYC E-11-2015, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2012): 12/30/2015

* ANSI/ABYC S-7-2015, Boat Capacity Labels (revision of ANSI/ABYC S-7-2010): 12/30/2015

ACCT (Association for Challenge Course Technology)

New Standard

ANSI/ACCT 03-2016, Challenge Course and Canopy/Zip Line Tour Standards (new standard): 1/11/2016

ADA (American Dental Association)

New National Adoption

ANSI/ADA Standard No. 41-2015, Evaluation of Biocompatibility of Medical Devices Used in Dentistry (national adoption of ISO 7405:2008 with modifications and revision of ANSI/ADA Specification No. 41-2005): 12/23/2015

Reaffirmation

ANSI/ADA Standard No. 3950-2015, Designation System for Teeth and Areas of the Oral Cavity (reaffirmation and redesignation of ANSI/ADA/ISO No. 3950-2010): 12/30/2015

AGA (ASC Z380) (American Gas Association)

Addenda

ANSI/GPTC Z380.1-2015 Edition, Addendum No. 3, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition): 12/23/2015

ASA (ASC S3) (Acoustical Society of America)

New Standard

ANSI/ASA S3.52-2016, Measurements of the Threshold of Hearing and Signal Detectability in a Sound Field (new standard): 1/6/2016

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASABE AD6690-2007 JAN2011 (R2015), Milking machine installations - Mechanical tests (reaffirmation of ANSI/ASABE AD6690-2011): 12/30/2015

ANSI/ASABE S596-2006 (R2015), Recycling Plastic Containers from Pesticides and Pesticide-Related Products (reaffirmation of ANSI/ASABE S596-2006 (R2011)): 12/30/2015

ANSI/ASABE S618 DEC2010 (R2016), Post Frame Building System Nomenclature (reaffirmation of ANSI/ASABE S618-2010): 1/7/2016

ANSI/ASAE EP433 DEC1988 (R2015), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE EP433-SEP91 (R2011)): 12/30/2015

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

Reaffirmation

ANSI/ASHRAE Standard 25-2001 (R2016), Methods of Testing Forced Convection and Natural Convection Air Coolers for Refrigeration (reaffirmation of ANSI/ASHRAE Standard 25-2001 (R2006)): 12/31/2015

ANSI/ASHRAE Standard 164.1-2012 (R2016), Method of Test for Residential Central-System Humidifiers (reaffirmation of ANSI/ASHRAE Standard 164.1-2012): 12/31/2015

ANSI/ASHRAE Standard 173-2012 (R2016), Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors (reaffirmation of ANSI/ASHRAE Standard 173-2012): 12/31/2015

Revision

ANSI/ASHRAE Standard 125-2016, Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems (revision of ANSI/ASHRAE Standard 125-1992 (R2011)): 12/31/2015

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME A17.8-2016/CSA B44.8-2016, Standard for Wind Turbine Elevators (new standard): 1/8/2016

Revision

ANSI/ASME MFC-7-2016, Measurement of Gas Flow by Means of Critical Flow Venturi Nozzles (revision and redesignation of ANSI/ASME MFC-7M-1987 (R2014)): 1/6/2016

* ANSI/ASME PTC 19.3TW-2016, Thermowells (revision of ANSI/ASME PTC 19.3-2010): 1/5/2016

ANSI/ASME PVHO-2-2016, Safety Standard for Pressure Vessels for Human Occupancy In-Service Guidelines (revision of ANSI/ASME PVHO-2-2012): 1/6/2016

ASSE (ASC A10) (American Society of Safety Engineers)

Revision

ANSI/ASSE A10.4-2016, Personnel Hoists and Employee Elevators on Construction and Demolition Sites (revision of ANSI/ASSE A10.4 -2007): 1/6/2016

ASSE (ASC Z9) (American Society of Safety Engineers)

Revision

ANSI/ASSE Z9.11-2016, Laboratory Decommissioning (revision and redesignation of ANSI/AIHA Z9.11-2008): 12/23/2015

ASTM (ASTM International)

Reaffirmation

ANSI/ASTM F1799-2009 (R2015), Guide for Shipboard Generated Waste Management Audits (reaffirmation of ANSI/ASTM F1799 -1997 (R2009)): 12/22/2015

ANSI/ASTM F1936-2010 (R2015), Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field (reaffirmation of ANSI/ASTM F1936-2010): 12/22/2015

Revision

ANSI/ASTM C581-2015, Practice for Determining Chemical Resistance of Thermosetting Resins Used in Glass-Fiber-Reinforced Structures Intended for Liquid Service (revision of ANSI/ASTM C581-2003 (R2008)): 12/22/2015

ANSI/ASTM C769-2015, Test Method for Sonic Velocity in Manufactured Carbon and Graphite Materials for Use in Obtaining Youngs Modulus (revision of ANSI/ASTM C769-2009): 12/22/2015

ANSI/ASTM D4167-2015, Specification for Fiber-Reinforced Plastic Fans and Blowers (revision of ANSI/ASTM D4167-1997 (R2007)): 12/22/2015

ANSI/ASTM E23-2016, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2012c): 1/1/2016

ANSI/ASTM F963-2016, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2011): 1/1/2016

ANSI/ASTM F2810-2015, Specification for Elliptical Trainers (revision of ANSI/ASTM F2810-2010): 12/22/2015

ANSI/ASTM F2811-2015, Test Methods for Evaluating Design and Performance Characteristics of Elliptical Trainers (revision of ANSI/ASTM F2811-2010): 12/22/2015

ATCC (American Type Culture Collection)

New Standard

ANSI/ATCC ASN-0003-2015, Species-Level Identification of Animal Cells through Mitochondrial Cytochrome c Oxidase Subunit 1 (CO1) DNA Barcodes (new standard): 12/22/2015

AWWA (American Water Works Association)

New Standard

ANSI/AWWA C751-2015, Magnetic Inductive Flowmeters (new standard): 12/23/2015

Revision

ANSI/AWWA C217-2016, Microcrystalline Wax and Petrolatum Tape Coating Systems for Steel Water Pipe and Fittings (revision of ANSI/AWWA C217-2009): 1/8/2016

ANSI/AWWA C541-2016, Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves and Slide Gates (revision of ANSI/AWWA C541-2008): 1/8/2016

BHMA (Builders Hardware Manufacturers Association)

Revision

* ANSI/BHMA A156.6-2015, Architectural Door Trim (revision of ANSI/BHMA A156.6-2010): 12/23/2015

* ANSI/BHMA A156.15-2015, Release Devices - Closer Holder, Electromagnetic and Electromechanical (revision of ANSI/BHMA A156.15-2011): 12/23/2015

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revision

ANSI/BIFMA X5.6-2016, Panel Systems - Tests (revision of ANSI/BIFMA X5.6-2010): 1/8/2016

CSA (CSA Group)

New Standard

* ANSI/CSA C448-2016, Design and installation of ground source heat pump systems for commercial and residential buildings (new standard): 1/6/2016

Revision

* ANSI Z21.1-2016, Standard for Household Cooking Gas Appliances (same as CSA 1.1) (revision, redesignation and consolidation of ANSI Z21.1-2010, ANSI Z21.1a-2011, and ANSI Z21.1b-2012): 1/6/2016

EOS/ESD (ESD Association, Inc.)

New Standard

ANSI/ESD S13.1-2015, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Electrical Soldering/Desoldering Hand Tools (new standard): 12/23/2015

HI (Hydraulic Institute)

Reaffirmation

ANSI/HI 10.1-10.5-2010 (R2016), Air-Operated Pumps for Nomenclature, Definitions, Application, and Operation (reaffirmation of ANSI/HI 10.1-10.5-2010): 1/8/2016

ANSI/HI 10.6-2010 (R2016), Air-Operated Pump Tests (reaffirmation of ANSI/HI 10.6-2010): 1/8/2016

ISA (International Society of Automation)

Revision

ANSI/ISA 75.08.08-2015, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-1999 (R2007)): 12/30/2015

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

New National Adoption

INCITS/ISO/IEC 2382-36:2013[2015], Information technology - Vocabulary - Part 36: Learning, education and training (identical national adoption of and revision of INCITS/ISO/IEC 2382-36:2008 [2010]): 12/30/2015

INCITS/ISO/IEC 18092:2013[2015], Information technology - Telecommunications and information exchange between systems - Near Field Communication - Interface and Protocol (NFCIP-1) (identical national adoption of ISO/IEC 18092:2013 and revision of INCITS/ISO/IEC 18092:2004[2010]): 12/23/2015

Reaffirmation

INCITS 83:1995 [R2015], Information Systems - ISO Registration According to ISO 2375 - ANSI Sponsorship Procedures (reaffirmation of INCITS 83:1995 [R2010]): 12/23/2015

INCITS/ISO 19111-2:2009 [R2015], Geographic information - Spatial referencing by coordinates - Part 2: Extension for parametric values (reaffirmation of INCITS/ISO 19111-2:2009 [2010]): 12/23/2015

INCITS/ISO 19125-1:2004 [R2015], Geographic information - Simple feature access - Part 1: Common architecture (reaffirmation of INCITS/ISO 19125-1:2004 [R2010]): 12/23/2015

INCITS/ISO 19125-2:2004 [R2015], Geographic information - Simple feature access - Part 2: SQL option (reaffirmation of INCITS/ISO 19125-2:2004 [R2010]): 12/23/2015

INCITS/ISO 19144-1:2009 [R2015], Geographic information - Classification systems - Part 1: Classification system structure (reaffirmation of INCITS/ISO 19144-1:2009 [2010]): 12/23/2015

INCITS/ISO 19106:2004 [R2015], Geographic information - Profiles (reaffirmation of INCITS/ISO 19106:2004 [R2010]): 12/23/2015

INCITS/ISO 19110:2005 [R2015], Geographic information - Methodology for feature cataloguing (reaffirmation of INCITS/ISO 19110:2005 [R2010]): 12/23/2015

INCITS/ISO 19116:2004 [R2015], Geographic information - Positioning services (reaffirmation of INCITS/ISO 19116:2004 [R2010]): 12/23/2015

INCITS/ISO 19119:2005 [R2015], Geographic information - Services (reaffirmation of INCITS/ISO 19119:2005 [R2010]): 12/23/2015

INCITS/ISO 19128:2005 [R2015], Geographic information - Web map server interface (reaffirmation of INCITS/ISO 19128:2005 [2010]): 12/23/2015

INCITS/ISO 6709:2008/COR 1:2009 [R2015], Standard representation of geographic point location by coordinates - Technical Corrigendum 1 (reaffirmation of INCITS/ISO 6709:2008/COR 1:2010): 12/23/2015

INCITS/ISO 19108:2002/COR 1:2006 [R2015], Geographic information - Temporal schema
Technical Corrigendum 1 (reaffirmation of INCITS/ISO 19108:2002/COR 1:2006): 12/23/2015

INCITS/ISO/IEC 8859-3:1999 [R2015], Information technology - 8-bit single-byte coded graphic character sets - Part 3: Latin alphabet No. 3 (reaffirmation of INCITS/ISO/IEC 8859-3:1999 [R2010]): 12/23/2015

INCITS/ISO/IEC 8859-5:1999 [R2015], Information technology - 8-bit single-byte coded graphic character sets - Part 5: Latin/Cyrillic alphabet (reaffirmation of INCITS/ISO/IEC 8859-5:1999 [R2010]): 12/23/2015

INCITS/ISO/IEC 8859-6:1999 [R2015], Information technology - 8-bit single-byte coded graphic character sets - Part 6: Latin/Arabic alphabet (reaffirmation of INCITS/ISO/IEC 8859-6:1999 [R2010]): 12/23/2015

INCITS/ISO/IEC 8859-8:1999 [R2015], Information technology - 8-bit single-byte coded graphic character sets - Part 8: Latin/Hebrew alphabet (reaffirmation of INCITS/ISO/IEC 8859-8:1999 [R2010]): 12/23/2015

INCITS/ISO/IEC 8859-16:2001 [R2015], Information technology - 8-bit single-byte coded graphic character sets - Part 16: Latin alphabet No. 10 (reaffirmation of INCITS/ISO/IEC 8859-16:2001 [2008]): 12/23/2015

INCITS/ISO/IEC 9593-1:1990/COR 2:1994 [R2015], Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 1: FORTRAN - Technical Corrigendum 2 (reaffirmation of INCITS/ISO/IEC 9593-1:1990/Cor 2:2010): 12/23/2015

INCITS/ISO/IEC 9593-3:1990/COR 1:1993 [R2015], Information technology - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 3: ADA - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 9593-3:1990/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 9593-3:1990/COR 2:1994 [R2015], Information technology - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 3: ADA - Technical Corrigendum 2 (reaffirmation of INCITS/ISO/IEC 9593-3:1990/Cor 2:1994): 12/23/2015

INCITS/ISO/IEC 9593-4:1991/COR1:1994 [R2015], Information technology - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 4: C - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 9593 -4:1991/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 9798-2:2008 [R2015], Information technology - Security techniques - Entity authentication - Part 2: Mechanisms using symmetric encipherment algorithms (reaffirmation of INCITS/ISO/IEC 9798-2-1999 [2000]): 12/23/2015

INCITS/ISO/IEC 9798-5:2009 [R2015], Information technology - Security techniques - Entity authentication - Part 5: Mechanisms using zero-knowledge techniques (reaffirmation of INCITS/ISO/IEC 9798-5:2009 [2010]): 12/23/2015

INCITS/ISO/IEC 11179-6:2005 [R2015], Information technology - Metadata registries (MDR) - Part 6: Registration (reaffirmation of INCITS/ISO/IEC 11179-6:2005 [R2010]): 12/23/2015

INCITS/ISO/IEC 12087-2:1994/COR 1:1997 [R2015], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 2: Programmer's imaging kernel system application programme interface - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 12087-2:1994/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 12087-5:1998/COR 1:2001 [R2015], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 5: Basic Image Interchange Format (BIIF) - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 12087-5:1998/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 12087-5:1998/COR 2:2002 [R2015], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 5: Basic Image Interchange Format (BIIF) - Technical Corrigendum 2 (reaffirmation of INCITS/ISO/IEC 12087-5:1998/Cor 2:2010): 12/23/2015

INCITS/ISO/IEC 13888-3:2009 [R2015], Information technology - Security techniques - Non-repudiation - Part 3: Mechanisms using asymmetric techniques (reaffirmation of INCITS/ISO/IEC 13888 -3:2009 [2010]): 12/23/2015

INCITS/ISO/IEC 14888-1:2008 [R2015], Information technology - Security techniques - Digital signatures with appendix - Part 1: General (reaffirmation of INCITS/ISO/IEC 14888-1:2008 [2010]): 12/23/2015

INCITS/ISO/IEC 15444-1:2004 [R2015], Information technology - JPEG 2000 image coding system: Core coding system (reaffirmation of INCITS/ISO/IEC 15444-1:2004 [R2010]): 12/23/2015

INCITS/ISO/IEC 18014-1:2008 [R2015], Information technology - Security techniques - Time-stamping services - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 18014-1:2008 [2009]): 12/23/2015

INCITS/ISO/IEC 18014-2:2009 [R2015], Information technology - Security techniques - Time-stamping services - Part 2: Mechanisms producing independent tokens (reaffirmation of INCITS/ISO/IEC 18014-2:2009 [2010]): 12/23/2015

INCITS/ISO/IEC 18014-3:2009 [R2015], Information technology - Security techniques - Time-stamping services - Part 3: Mechanisms producing linked tokens (reaffirmation of INCITS/ISO/IEC 18014 -3:2009 [2010]): 12/23/2015

INCITS/ISO/IEC 19757-4:2006/COR 1:2008 [R2015], Information technology - Document Schema Definition Languages (DSDL) - Part 4: Namespace-based Validation Dispatching Language (NVDL) - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19757 -4:2006/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 19778-2:2008 [R2015], Information technology for Learning, Education and Training - Collaborative Technology - Collaborative workplace - Part 2: Collaborative Environmental Data Model (reaffirmation of INCITS/ISO/IEC 19778-2:2008 [2010]): 12/30/2015

INCITS/ISO/IEC 19778-3:2008 [R2015], Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 3: Collaborative group data model (reaffirmation of INCITS/ISO/IEC 19778-3:2008 [2010]): 12/30/2015

* INCITS/ISO/IEC 19796-3:2009 [R2015], Information technology - Learning, education and training - Quality management, assurance and metrics - Part 3: Reference methods and metrics (reaffirmation of INCITS/ISO/IEC 19796-3:2009 [2010]): 12/30/2015

INCITS/ISO/IEC 21000-7:2007 [R2015], Information technology - Multimedia framework (MPEG-21) - Part 7: Digital Item Adaptation (reaffirmation of INCITS/ISO/IEC 21000-7:2007 [2009]): 12/23/2015

INCITS/ISO/IEC 3561:1976 [R2015], Information processing - Interchangeable magnetic six-disk pack - Track format (reaffirmation and redesignation of INCITS/ISO 3561:1976 [2010]): 12/30/2015

INCITS/ISO/IEC 3564:1976 [R2015], Information processing - Interchangeable magnetic eleven-disk pack - Physical and magnetic characteristics (reaffirmation of INCITS/ISO 3564:1976 [2010]): 12/30/2015

INCITS/ISO/IEC 10744:1997 [R2015], Information technology - Hypermedia/Time-based Structuring Language (HyTime) (reaffirmation of INCITS/ISO/IEC 10744:1997 [2010]): 12/23/2015

INCITS/ISO/IEC 13673:2000 [R2015], Information technology - Document processing and related communication - Conformance testing for Standard Generalized Markup Language (SGML) systems (reaffirmation of INCITS/ISO/IEC 13673:2000 [2010]): 12/23/2015

INCITS/ISO/IEC 15445:2000 [R2015], Information technology - Document description and processing languages - HyperText Markup Language (HTML) (reaffirmation of INCITS/ISO/IEC 15445:2000 [2010]): 12/23/2015

INCITS/ISO/IEC 15718:1998 [R2015], Information technology - Data interchange on 8 mm wide magnetic tape cartridge - Helical scan recording - HH-1 format (reaffirmation of INCITS/ISO/IEC 15718:1998 [2010]): 12/30/2015

INCITS/ISO/IEC 15896:1999 [R2015], Information technology - Data interchange on 12,7 mm 208-track magnetic tape cartridges - DLT 5 format (reaffirmation of INCITS/ISO/IEC 15896:1999 [2010]): 12/30/2015

INCITS/ISO/IEC 16382:2000 [R2015], Information technology - Data interchange on 12,7 mm 208-track magnetic tape cartridges - DLT 6 format (reaffirmation of INCITS/ISO/IEC 16382:2000 [2010]): 12/30/2015

INCITS/ISO/IEC 16824:1999 [R2015], Information technology - 120 mm DVD rewritable disk (DVD-RAM) (reaffirmation of INCITS/ISO/IEC 16824:1999 [2010]): 12/23/2015

INCITS/ISO/IEC 17592:2004 [R2015], Information technology - 120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD rewritable disk (DVD-RAM) (reaffirmation of INCITS/ISO/IEC 17592:2004 [2010]): 12/23/2015

INCITS/ISO/IEC 17594:2004 [R2015], Information technology - Cases for 120 mm and 80 mm DVD-RAM disks (reaffirmation of INCITS/ISO/IEC 17594:2004 [2010]): 12/23/2015

INCITS/ISO/IEC 17913:2000 [R2015], Information technology - 12,7mm 128-track magnetic tape cartridge for information interchange - Parallel serpentine format (reaffirmation of INCITS/ISO/IEC 17913:2000 [2000]): 12/30/2015

INCITS/ISO/IEC 18026:2009 [R2015], Information technology - Spatial Reference Model (SRM) (reaffirmation of INCITS/ISO/IEC 18026:2009 [2010]): 12/23/2015

INCITS/ISO/IEC 19136:2007 [R2015], Geographic information - Geography Markup Language (GML) (reaffirmation and redesignation of INCITS/ISO 19136:2007 [2010]): 12/23/2015

INCITS/ISO/IEC 8879:1986/AM 1:1988 [R2015], Information processing - Text and office systems - Standard Generalized Markup Language (SGML) - Amendment 1 (reaffirmation of INCITS/ISO 8879:1986/Amd 1:2010): 12/23/2015

INCITS/ISO/IEC 8879:1986/COR 1:1996 [R2015], Information processing - Text and office systems - Standard Generalized Markup Language (SGML) - Technical Corrigendum 1 (reaffirmation of INCITS/ISO 8879:1986/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 8879:1986/COR 2:1999 [R2015], Information processing - Text and office systems - Standard Generalized Markup Language (SGML) - Technical Corrigendum 2 (reaffirmation of INCITS/ISO 8879:1986/Cor 2:2010): 12/23/2015

INCITS/ISO/IEC 10036:1996/COR 1:2001 [R2015], Information technology - Font information interchange - Procedures for registration of font-related identifiers - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 10036:1996/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 10036:1996/COR 2:2002 [R2015], Information technology - Font information interchange - Procedures for registration of font-related identifiers - Technical Corrigendum 2 (reaffirmation of INCITS/ISO/IEC 10036:1996/Cor 2:2010): 12/23/2015

INCITS/ISO/IEC 10179:1996/COR 1:2001 [R2015], Information technology - Processing languages - Document Style Semantics and Specification Language (DSSSL) - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 10179:1996/Cor 1:2010): 12/23/2015

INCITS/ISO/IEC 10179:1996/AM 2:2005 [R2015], Information technology - Processing languages - Document Style Semantics and Specification Language (DSSSL) - Amendment 2 (reaffirmation of INCITS/ISO/IEC 10179:1996/Amd 2:2010): 12/23/2015

INCITS/ISO/IEC 10180:1995/COR 1:2001 [R2015], Information technology - Processing languages - Standard Page Description Language (SPDL) - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 10180:1995/Cor 1:2010): 12/23/2015

MHI (ASC MHC) (Material Handling Industry)

New Standard

ANSI MH1.14-2016, Pallets - Molded, Wood-Based Composite (new standard): 1/8/2016

Revision

ANSI MH1-2016, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision and redesignation of ANSI ASME MH1-2005): 1/8/2016

NEMA (ASC C78) (National Electrical Manufacturers Association)

Reaffirmation

* ANSI C78.391-2004 (R2016), Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (reaffirmation of ANSI C78.391-2009): 1/6/2016

ANSI C78.1401-2004 (R2016), Dimensions for Projection Lamps - Double-Contact, Medium Ring (Special B), Base-up Type (reaffirmation of ANSI C78.1401-2004 (R2009)): 1/6/2016

NSF (NSF International)

Revision

* ANSI/NSF 61-2016 (i128), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2014a): 1/5/2016

* ANSI/NSF 61-2016 (i129), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2015 (i125)): 1/6/2016

* ANSI/NSF 173-2015 (i50r3), Dietary Supplements (revision of ANSI/NSF 173-2013 (i48)): 12/28/2015

* ANSI/NSF 173-2015 (i57r1), Dietary Supplements (revision of ANSI/NSF 173-2012): 12/28/2015

* ANSI/NSF 173-2015 (i58r1), Dietary Supplements (revision of ANSI/NSF 173-2012): 12/28/2015

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

New National Adoption

ANSI/OEOSC OP1.0110-5:2015, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 5: Surface Form Tolerances (national adoption with modifications of ISO 10110-5:2007): 12/30/2015

ANSI/OEOSC OP1.0110-9-2015, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 9: Surface treatment and coatings (national adoption with modifications of ISO 10110-9): 12/30/2015

SDI (ASC A250) (Steel Door Institute)

Revision

ANSI A250.6-2015, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6 -2003 (R2009)): 12/30/2015

TIA (Telecommunications Industry Association)

Addenda

ANSI/TIA 606-B-1-2015, Administration Standard for Commercial Telecommunications Infrastructure - Automated Infrastructure Management Systems (addenda to ANSI/TIA 606-B-2012): 12/23/2015

UL (Underwriters Laboratories, Inc.)

New National Adoption

* ANSI/UL 12402-5-2015, Standard for Safety for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety requirements (national adoption with modifications of ISO 12402-5): 12/31/2015

New Standard

ANSI/UL 203A-2015, Standard for Safety for Sway Brace Devices for Sprinkler System Piping (new standard): 12/18/2015

ANSI/UL 203A-2015a, Standard for Safety for Sway Brace Devices for Sprinkler System Piping (new standard): 12/18/2015

Reaffirmation

ANSI/UL 452-2011 (R2015), Standard for Safety for Antenna-Discharge Units (reaffirmation of ANSI/UL 452-2011): 12/23/2015

ANSI/UL 972-2005 (R2015), Standard for Safety for Burglary Resisting Glazing Material (Proposal dated 9/25/15) (reaffirmation of ANSI/UL 972-2006 (R2011)): 12/23/2015

Revision

* ANSI/UL 817-2016, Standard for Safety for Cord Sets and Power-Supply Cords (Proposal dated 07-10-15) (revision of ANSI/UL 817 -2015d): 1/5/2016

* ANSI/UL 817-2016a, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2015d): 1/5/2016

ANSI/UL 817-2016b, Standard for Safety for Cord Sets and Power-Supply Cords (Proposal dated 11-06-15) (revision of ANSI/UL 817 -2015): 1/5/2016

ANSI/UL 962-2016, Standard for the Safety of Household and Commercial Furnishings (Proposal dated 11/27/2015) (revision of ANSI/UL 962-2014): 1/11/2016

ANSI/UL 1581-2015, Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2015): 12/30/2015

Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI/IEC 60601-1-12, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (identical national adoption of IEC 60601-1-12:2014)

Stakeholders: Manufacturers, regulators, users.

Project Need: Medical practice is increasingly using medical electrical equipment and system for monitoring, treatment, or diagnosis of patients in the EMS environment.

Applies to basic safety and essential performance of medical electrical equipment and medical electrical systems which are intended for use by their manufacturers for use in the EMS environment. Does not apply to equipment and systems intended for use solely in home healthcare environment or professional healthcare facilities.

ABMA (ASC B3) (American Bearing Manufacturers Association)

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BSR/ABMA/ISO 15242-1-201x, Rolling bearings - Measuring methods for vibration - Part 1: Fundamentals (identical national adoption of ISO 15242-1:2015)

Stakeholders: U.S. bearing producers and users.

Project Need: To keep U.S. adoption current with ISO.

This part of ISO 15242 specifies measuring methods for vibration of rotating rolling bearings under established measuring conditions, together with calibration of the related measuring systems.

BSR/ABMA/ISO 15242-2-201x, Methods for Vibration - Part 2: Radial Ball Bearings with Cylindrical Bore and Outside Surface (identical national adoption of ISO 15242-2:2015)

Stakeholders: U.S. bearing producers and users.

Project Need: To keep U.S. adoption current with ISO.

This part of ISO 15242 specifies vibration measuring methods for single-row and double-row radial ball bearings, with a contact angle up to and including 45°. It covers radial ball bearings with cylindrical bore and outside surface, except bearings with filling slots and three- and four-point-contact ball bearings.

IEEE (ASC C2) (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331

Contact: *Susan Vogel*

Fax: (732) 796-6966

E-mail: s.vogel@ieee.org

BSR C2 NESC-2017, National Electrical Safety Code (revision of ANSI ASC C2 NESC-2012)

Stakeholders: Utilities (private and public), telecommunication industry, municipalities, regulators.

Project Need: The NESC is revised every 5 years.

These rules cover supply and communication lines, equipment, and associated work practices employed by a public or private electric supply, communications, railway, or similar utility in the exercise of its function as a utility. They cover similar systems under the control of qualified persons, such as those associated with an industrial complex or utility interactive system.

INMM (ASC N15) (Institute of Nuclear Materials Management)

Office: 9800 S. Cass Avenue
Argonne, Illinois 60439

Contact: *Chino Srinivasan*

E-mail: b.srinivasan@science.doe.gov

BSR N15.36-201x, Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay Measurement Control and Assurance (revision of ANSI N15.36 -2010)

Stakeholders: The federal government, federal contractors, and licensees of the U.S. Nuclear Regulatory Commission.

Project Need: To update and reissue a current ANS.

This standard is directed to the scientist or engineer, with appropriate technical training, who is responsible for establishing, maintaining, or supervising a measurement control program for nondestructive assay of nuclear materials. The measurement control program provides administration, evaluation, and control of the measurement process and ensures that the measurement process provides results of sufficient quality for facility operations.

NISO (National Information Standards Organization)

Office: 3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211

Contact: *Nettie Lagace*

Fax: (410) 685-5278

E-mail: nlagace@niso.org

BSR/NISO Z39.18-201x, Scientific and Technical Reports - Preparation, Presentation, and Preservation (revision of ANSI/NISO Z39.18-2005 (R2010))

Stakeholders: Researchers, scientists, academics; writers, editors, publishers; information specialists.

Project Need: To further address digital formats for documents, as electronic is now the primary means for publishing scientific and technical reports.

This Standard will guide individuals and organizations in preparing reports. It is generally couched in terms of the traditional printed report because that medium is the most concrete and common example for readers to consider and visualize. However, the Standard is expressed in such as way that adapting to other means of publication (for example, electronic formats on the Web and CD-ROMs) is recognized. Further revision will bring the standard more up to date in terms of the use of electronic publication as the primary means for publishing scientific and technical reports.

BSR/NISO Z39.19-201x, Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabularies (revision of ANSI/NISO Z39.19-2005 (R2010))

Stakeholders: Creators and maintainers of controlled vocabularies, including those used in information storage and retrieval systems and web navigation systems; librarians and information professionals; systems designers.

Project Need: This Standard is to be updated to address issues of currency, such as references to cataloging tools and resources and standards in use as well as replacing obsolete terminology and clarifying wording and recommendations.

This Standard presents guidelines and conventions for the contents, display, construction, testing, maintenance, and management of controlled vocabularies. It covers all aspects of constructing controlled vocabularies including extensive rules and guidelines for term selection and format, the use of compound terms, and establishing and displaying various types of relationships among terms. This Standard focuses on controlled vocabularies that are used for the representation of content objects. Controlled vocabularies covered by this Standard include lists of controlled terms, synonym rings, taxonomies, and thesauri. The guidelines apply to all four types unless noted otherwise. This Standard should be regarded as a set of recommendations based on preferred techniques and procedures. Optional procedures are, however, sometimes described, e.g., for the display of terms in a controlled vocabulary.

BSR/NISO Z39.29-201x, Bibliographic References (revision of ANSI/NISO Z39.29-2005 (R2010))

Stakeholders: Librarians; editors and publishers; researchers and other users of scholarly and other bibliographic references.

Project Need: This standard is to be updated to bring it up to date with current cataloging practice and other industry best practices, including use of electronic identifiers, and international standards such as ISO 690.

This standard provides rules, guidelines, and examples for the creation of bibliographic references to numerous types of print, audiovisual, and electronic materials, both published and unpublished, arranged in fifteen broad categories. The bibliographic references should result in the unique identification of most print and non-print materials. This standard is intended for a broad audience, including the creators of bibliographic references, the processors who publish and otherwise display references, and the ultimate users of the references.

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

Office: 1899 Preston White Drive
Reston, VA 20191

Contact: *Debra Orf*

Fax: (703) 620-0994

E-mail: dorf@npes.org

BSR/CGATS/ISO 12646-201x, Graphic technology - Displays for colour proofing - Characteristics (identical national adoption of ISO 12646-2015 and revision of ANSI/CGATS/ISO 12646-2008)

Stakeholders: Manufacturers and users of displays used for soft proofing.

Project Need: Needed for the characterization of displays used for soft proofing in the graphic technology industry

This International Standard specifies requirements for two conformance levels for the characteristics of displays to be used for soft proofing of colour images. Included are requirements for uniformity and variations of electro-optical properties with viewing direction for different driving signals.

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: *Megan Sepper*

Fax: (847) 664-3411

E-mail: Megan.M.Sepper@ul.com

BSR/UL 2610-201X, Standard for Safety for Commercial Premises Security Alarm Units and Systems (new standard)

Stakeholders: Manufacturers and users of commercial premises security alarm units and systems.

Project Need: To obtain national recognition of a standard covering commercial premises security alarm units and systems.

Covers construction, performance, operation, and maintenance of: central station burglar alarm systems, police-station-connected burglar alarm units and systems, and local burglar alarm units and systems; proprietary burglar alarm units and systems; holdup alarm systems of the remote-station type; digital alarm communicator system units, interconnected to or integral, for use with central station burglar alarm systems, proprietary burglar alarm systems, police-station-connected burglar alarm systems, and holdup alarm systems; and power supplies used to provide electrical power and standby power for burglar-alarm equipment.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
Association for the Advancement of Medical Instrumentation
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8274
Fax: (703) 276-0793
Web: www.aami.org

ABMA (ASC B3)
American Bearing Manufacturers Association
2025 M Street, NW
Suite 800
Washington, DC 20036-3309
Phone: (919) 481-2852
Fax: (919) 827-4587
Web: www.americanbearings.org

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

ACCT
Association for Challenge Course Technology
P.O. Box 47
Deerfield, IL 60015
Phone: (800) 991-0286 Ext 913
Fax: (800) 991-0287
Web: www.acctinfo.org

ADA (Organization)
American Dental Association
211 E. Chicago Ave
Chicago, IL 60611
Phone: (312) 440-2533
Fax: (312) 440-2529
Web: www.ada.org

AGA (ASC Z380)
American Gas Association
400 North Capitol Street, NW
Washington, DC 20001
Phone: (202) 824-7183
Web: www.aga.org

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Rd
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 923-2875
Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-1111
Fax: (678) 539-2111
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASSE (Safety)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

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

ATCC
American Type Culture Collection
10801 University Boulevard
Manassas, VA 20110
Phone: (703) 365-2802
Fax: (703) 334-2944
Web: www.atcc.org

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

BHMA
Builders Hardware Manufacturers Association
355 Lexington Avenue
15th Floor
New York, NY 10017
Phone: (212) 297-2126
Fax: (212) 370-9047
Web: www.buildershardware.com

BIFMA
Business and Institutional Furniture Manufacturers Association
678 Front Ave. NW
Grand Rapids, MI 49504
Phone: (616) 285-3963
Fax: (616) 285-3765
Web: www.bifma.org

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

ECIA
Electronic Components Industry Association
2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

EOS/ESD
ESD Association
7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Fax: (315) 339-6793
Web: www.esda.org

FM
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062
Phone: (781) 255-4813
Fax: (781) 762-9375
Web: www.fmglobal.com

HI
Hydraulic Institute
6 Campus Drive
Parsippany, NJ 07054
Phone: (973) 267-9700 x115
Web: www.pumps.org

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
Phone: (732) 562-3817
Fax: (732) 796-6966
Web: www.ieee.org

INMM (ASC N15)
Institute of Nuclear Materials Management
9800 S. Cass Avenue
Argonne, Illinois 60439
Phone: 630-252-1985
Web: www.inmm.org

ISA (Organization)
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Fax: (919) 549-8288
Web: www.isa.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5746
Fax: (202) 638-4922
Web: www.incits.org

MHI (ASC MHC)
Material Handling Industry
8720 Red Oak Blvd. - Ste. 201
Charlotte, NC 28217
Phone: (704) 676-1190
Fax: 704-676-1199
Web: www.mhia.org

NECA
National Electrical Contractors Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Fax: (301) 215-4500
Web: www.neca-neis.org

NEMA (ASC C78)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
Phone: 703-841-3262
Web: www.nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7210
Web: www.nfpa.org

NISO
National Information Standards Organization
3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Phone: (301) 654-2512
Fax: (410) 685-5278
Web: www.niso.org

NPES (ASC CGATS)
NPES
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Fax: (703) 620-0994
Web: www.npes.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-6866
Web: www.nsf.org

OEOSC (ASC OP)
Optics and Electro-Optics Standards Council

35 Gilbert Hill Rd.
Chester, CT 06412
Phone: (860) 878-0722
Fax: (860) 555-1212
Web: www.optstd.org

SDI (ASC A250)
Steel Door Institute

30200 Detroit Road
Westlake, OH 44145
Phone: (440) 899-0010
Fax: (440) 892-1404
Web: www.wherryassocsteeldoor.org

SPRI
Single Ply Roofing Institute

411 Waverley Oaks Road
Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7497
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3411
Fax: (847) 664-3411
Web: www.ul.com

VITA
VMEbus International Trade Association (VITA)

929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.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); 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

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 20333, Traditional chinese medicine - Coding rules for chinese medicines in supply chain management - 4/8/2016

IEC Standards

2/1807/NP, PNW 2-1807: Rotating electrical machines - Off-line partial discharge tests on winding insulation of rotating electrical machines during repetitive impulse voltage excitation (proposed IEC TS 60034 -27-5), 04/01/2016

9/2121/CD, IEC 62236-1 Ed.3: Railway applications - Electromagnetic compatibility - Part 1: General, 04/01/2016

9/2122/CD, IEC 62236-2 Ed.3: Railway applications - Electromagnetic compatibility - Part 2: Emission of the whole railway system to the outside world, 04/01/2016

9/2123/CD, IEC 62236-3-1 Ed.3: Railway applications - Electromagnetic compatibility - Part 3-1: Rolling stock - Train and complete vehicle, 04/01/2016

9/2124/CD, IEC 62236-3-2 Ed.3: Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus, 04/01/2016

9/2125/CD, IEC 62236-4 Ed.3: Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus, 04/01/2016

9/2126/CD, IEC 62236-5 Ed.3: Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus, 04/01/2016

14/844/CD, IEC/IEEE 60076-57-129: Convertor transformers - Part 57 -129: Transformers for HVDC applications, 03/04/2016

20/1605/CDV, IEC 62895: High Voltage Direct Current (HVDC) power transmission cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications - Test methods and requirements, 04/08/2016

26/585/NP, PNW 26-585: Arc welding equipment - Part 15: Stud welding, 02/05/2016

26/586/NP, PNW 26-586: Arc welding equipment - Part 16: Measuring energy consumption and energy labeling, 04/01/2016

31/1237/DTS, IEC 60079-32-1/TS/A1/Ed1: Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance, 04/08/2016

46C/1031/NP, IEC 61156-11: Multicore and symmetrical pair/quad cables for digital communications - cables for 1 Gbps over one pair - Sectional specification, 04/01/2016

48D/606/CD, IEC 60297-3-110/Ed1: Mechanical structures for electrical and electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) Series - Part 110: residential racks and cabinets for smart houses, 04/08/2016

48D/607/CD, IEC 62966-1/Ed1: Mechanical structures for electrical and electronic equipment - Aisle containment for IT cabinets - Part 1: Dimensions and mechanical requirements, 04/08/2016

48D/608/CD, IEC 61587-6/Ed1: Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 6: Security aspects for indoor cabinets, 04/08/2016

51/1131/DC, Technical corrigendum for IEC 62317-4, 2005 (E), 02/26/2016

62D/1312/NP, ISO 81060-3: Non-invasive sphygmomanometers: Part 3: Clinical investigation of continuous non-invasive automated measurement type, 04/01/2016

64/2097/CD, IEC 60364-8-2: Low voltage electrical installation -Part 8 -2: Prosuming low-voltage electrical installations, 04/01/2016

77C/253/CDV, IEC 61000-4-23: Testing and measurement techniques - Test methods for protective devices for HEMP and other radiated disturbances, 04/08/2016

82/1059/DTS, IEC/TS 62916 Ed.1: Bypass diode electrostatic discharge susceptibility testing for photovoltaic modules, 04/01/2016

82/1060/NP, PNW 82-1060: Testing of PV modules to differentiate performance in multiple climates and applications - Part 3: Test Procedure for encapsulant transmittance (proposed IEC 62892-3), 04/01/2016

82/1061/NP, PNW 82-1061: Photovoltaic system performance - Part 4: Degradation rate evaluation method (proposed IEC TS 61724-4), 04/01/2016

86B/3974/CD, IEC 61300-3-54/Ed1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-54: Examinations and measurements - Angular misalignment between ferrule bore axis and ferrule axes for cylindrical ferrules, 04/01/2016

88/577/CD, IEC 61400-6 Ed.1: Wind turbines - Part 6: Tower and foundation design requirements, 04/01/2016

94/400/CD, IEC 62246-1-1 Ed.2: Reed switches - Part 1-1: Detail specification - Quality assessment, 04/01/2016

100/2595/CDV, IEC 63002 Ed.1.0: Identification and communication interoperability method for external power supplies used with portable computing devices (TA 14), 04/08/2016

100/2596/NP, MIDI (Musical Instrument Digital Interface) Specification 1.0 (abridged edition, 2015), 04/08/2016

100/2597/CDV, MIDI (Musical Instrument Digital Interface) Specification 1.0 (abridged edition, 2015), 04/08/2016

110/716/CDV, IEC 62629-22-1 Ed.2: 3D display devices- Part 22-1: Measuring methods for autostereoscopic displays - Optical, 04/08/2016

110/731/FDIS, IEC 62595-2-1 Ed.2: Display lighting unit - Part 2-1: Electro-optical measuring methods of LED backlight unit, 02/19/2016

CABPUB/120/NP, New Proposal for new part to ISO/IEC 17021-1 on Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part ?: Competence requirements for auditing and certification of occupational health and safety management systems: document for vote (and comments), 04/08/2016

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 389-3:2016, Acoustics - Reference zero for the calibration of audiometric equipment - Part 3: Reference equivalent threshold vibratory force levels for pure tones and bone vibrators, $123.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 9667:2016, Aircraft ground support equipment - Tow bars, $51.00

BUILDING CONSTRUCTION (TC 59)

ISO 19863:2016, Buildings and civil engineering works - Sealants - Determination of tear resistance, $51.00

INDUSTRIAL TRUCKS (TC 110)

ISO 3691-2:2016, Industrial trucks - Safety requirements and verification - Part 2: Self-propelled variable-reach trucks, $200.00

LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)

ISO 4796-1:2016, Laboratory glassware - Bottles - Part 1: Screw-neck bottles, $51.00

MECHANICAL TESTING OF METALS (TC 164)

ISO 7438:2016, Metallic materials - Bend test, $88.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 28765:2016, Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges, $149.00

ISO 28706-4:2016, Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel, $88.00

NUCLEAR ENERGY (TC 85)

ISO 8769:2016, Reference sources - Calibration of surface contamination monitors - Alpha-, beta- and photon emitters, $123.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 11999-9:2016, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 9: Fire hoods, $88.00

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

ISO 9967:2016, Thermoplastics pipes - Determination of creep ratio, $88.00

ISO 9969:2016, Thermoplastics pipes - Determination of ring stiffness, $88.00

ROAD VEHICLES (TC 22)

ISO 23013:2016, Road vehicles - Determination of resistance to forced entry of security glass constructions used in vehicle glazing - Test of glazing systems, $149.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4665:2016, Rubber, vulcanized or thermoplastic - Resistance to weathering, $88.00

ISO 11235:2016, Rubber compounding ingredients - Sulfenamide accelerators - Test methods, $149.00

ISO 13363:2016, Rubber and plastics hoses for marine-engine wet-exhaust systems - Specification, $88.00

ISO 19013-2:2016, Rubber hoses and tubing for fuel circuits for internal combustion engines - Specification - Part 2: Gasoline fuels, $149.00

STEEL (TC 17)

ISO 17577:2016, Steel - Ultrasonic testing of steel flat products of thickness equal to or greater than 6 mm, $123.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO 17966:2016, Assistive products for personal hygiene that support users - Requirements and test methods, $265.00

ISO 19027:2016, Design principles for communication support board using pictorial symbols, $173.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 11850/Amd1:2016, Machinery for forestry - General safety requirements - Amendment 1, $22.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 17438-1:2016, Intelligent transport systems - Indoor navigation for personal and vehicle ITS station - Part 1: General information and use case definition, $149.00

WOOD-BASED PANELS (TC 89)

ISO 16893:2016, Wood-based panels - Particleboard, $123.00

ISO Technical Specifications

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/TS 19163-1:2016, Geographic information - Content components and encoding rules for imagery and gridded data - Part 1: Content model, $200.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 17825:2016, Information technology - Security techniques - Testing methods for the mitigation of non-invasive attack classes against cryptographic modules, $200.00

ISO/IEC 15149-3:2016, Information technology - Telecommunications and information exchange between systems - Magnetic field area network (MFAN) - Part 3: Relay Protocol for Extended Range, $88.00

ISO/IEC 15149-4:2016, Information technology - Telecommunications and information exchange between systems - Magnetic field area network (MFAN) - Part 4: Security Protocol for Authentication, $88.00

ISO/IEC 29794-1:2016, Information technology - Biometric sample quality - Part 1: Framework, $149.00

IEC Standards

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

IEC 61196-11 Ed. 1.0 en:2016, Coaxial communication cables - Part 11: Sectional specification for semi-rigid cables with polyethylene (PE) dielectric, $61.00

IEC 61196-4-1 Ed. 1.0 en:2016, Coaxial communication cables - Part 4-1: Blank detail specification for radiating cables, $36.00

IEC 61196-11-1 Ed. 1.0 en:2016, Coaxial communication cables - Part 11-1: Blank detail specification for semi-rigid cables with polyethylene (PE) dielectric, $43.00

IEC 61196-1-110 Ed. 1.0 en:2016, Coaxial communication cables - Part 1-110: Electrical test methods - Test for continuity, $24.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 61140 Ed. 4.0 b:2016, Protection against electric shock - Common aspects for installation and equipment, $303.00

ELECTROACOUSTICS (TC 29)

IEC 60118-13 Ed. 4.0 b:2016, Electroacoustics - Hearing aids - Part 13: Electromagnetic compatibility (EMC), $206.00

FIBRE OPTICS (TC 86)

IEC 61753-381-2 Ed. 1.0 b:2016, Fibre optic interconnecting devices and passive components - Performance standard - Part 381-2: Cyclic arrayed waveguide grating - Category C (controlled environment), $121.00

IEC 61753-381-6 Ed. 1.0 b:2016, Fibre optic interconnecting devices and passive components - Performance standard - Part 381-6: Cyclic arrayed waveguide grating - Category O (uncontrolled environment), $121.00

SAFETY OF ELECTRONIC EQUIPMENT WITHIN THE FIELD OF AUDIO/VIDEO, INFORMATION TECHNOLOGY AND COMMUNICATION TECHNOLOGY (TC 108)

IEC 62911 Ed. 1.0 b:2016, Audio, video and information technology equipment - Routine electrical safety testing in production, $48.00

IEC 60950-22 Ed. 2.0 b:2016, Information technology equipment - Safety - Part 22: Equipment to be installed outdoors, $230.00

IEC 60950-22 Ed. 2.0 en:2016, Information technology equipment - Safety - Part 22: Equipment to be installed outdoors, $276.00

SEMICONDUCTOR DEVICES (TC 47)

IEC 62047-1 Ed. 2.0 b:2016, Semiconductor devices - Micro-electromechanical devices - Part 1: Terms and definitions, $230.00

IEC 62047-26 Ed. 1.0 b:2016, Semiconductor devices - Micro-electromechanical devices - Part 26: Description and measurement methods for micro trench and needle structures, $206.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

IEC 61189-3-719 Ed. 1.0 b:2016, Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 3-719: Test methods for interconnection structures (printed boards) - Monitoring of single plated-through hole (PTH) resistance change during temperature cycling, $55.00

IEC 61189-3-913 Ed. 1.0 b:2016, Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 3-913: Test method for thermal conductivity of electronic circuit boards for high-brightness LEDs, $206.00

IEC Technical Reports

ELECTROMAGNETIC COMPATIBILITY (TC 77)

IEC/TR 61000-4-37 Ed. 1.0 en:2016, Electromagnetic compatibility (EMC) - Calibration and verification protocol for harmonic emission compliance test systems, $303.00

FIBRE OPTICS (TC 86)

IEC/TR 61282-14 Ed. 1.0 en:2016, Fibre optic communication system design guides - Part 14: Determination of the uncertainties of attenuation measurements in fibre plants, $254.00

IEC/TR 62627-08 Ed. 1.0 en:2016, Fibre optic interconnecting devices and passive components - Part 08: Study of optical power blocking measurement methods for adaptors with an optical power blocking shutter, $182.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC/TR 62977-3-2 Ed. 1.0 en:2016, Electronic display devices - Part 3 -2: Evaluation of optical characteristics - Mura, $206.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

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

- **Producer – Hardware**

  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

  This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

Withdrawal of a Technical Report

AAMI/ISO 12417-1:2015

AAMI/ISO 12417-1:2015, Cardiovascular implants and extracorporeal systems – Vascular device-drug combination products – Part 1: General requirements, was approved as an ANS on 16 November 2015. It revises and replaces AAMI/ISO TR 12417-2010, Cardiovascular implants and extracorporeal systems – Vascular device-drug combination products (TECHNICAL REPORT). Questions may be directed to cbernier@aami.org.

PINS Withdrawal

BSR/AISC 303-201x

AISC has withdrawn from consideration the following PINS: BSR/AISC 303-201x, Code of Standard Practice for Steel Buildings and Bridges. Questions may be directed to Cynthia Duncan at Duncan@aisc.org.

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC ESS – Energy Storage Systems

The reaccreditation of Accredited Standards Committee ESS, Energy Storage Systems has been approved at the direction of ANSI's Executive Standards Council under the ASC's recently revised operating procedures for documenting consensus on ASC ESS-sponsored American National Standards, effective January 8, 2016. For additional information, please contact the Secretariat of ASC ESS: Mr. Ryan Franks, Senior Program Manager, National Electrical Manufacturers Association, 1300 N. 17th Street, Suite 900, Rosslyn, VA 22209; phone: 703.841.3271; e-mail: Ryan.Franks@Nema.org.

ASC GR – Ground Rod Electrodes, Ground Rod Couplers and Associated Equipment

The reaccreditation Accredited Standards Committee GR, Ground Rod Electrodes, Ground Rod Couplers and Associated Equipment has been approved at the direction of ANSI's Executive Standards Council under the ASC's recently revised operating procedures for documenting consensus on ASC GR-sponsored American National Standards, effective January 12, 2016. For additional information, please contact the Secretariat of ASC GR: Mr. Paul Orr, Program Manager, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209; phone: 703.841.3227; e-mail: Pau_Orr@nema.org.

Compressed Gas Association, Inc. (CGA)

The reaccreditation of the Compressed Gas Association, Inc. (CGA), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under CGA's recently revised operating procedures for documenting consensus on CGA-sponsored American National Standards, effective January 7, 2016. For additional information, please contact: Ms. Kristy Mastromichalis, Committee Project Manager, Compressed Gas Association, Inc., 14501 George Carter Way, Suite 103, Chantilly, VA 20151; phone: 703.788.2728; e-mail: kmastromichalis@cganet.com.

Reaccreditation

IEEE

Comment Deadline: February 15, 2016

IEEE, an ANSI Organizational Member, has submitted revisions to its currently accredited IEEE-SA Standards Board Operating Manual and its IEEE-SA Standards Board Bylaws for documenting consensus on IEEE-sponsored American National Standards, under which it was last reaccredited in 2015. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. David Ringle, Director, SA Governance, IEEE Standards Association, 445 Hoes Lane, Piscataway, NJ 08854-4141; phone: 732.562.3806; e-mail: d.ringle@ieee.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to IEEE by February 15, 2016, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Participants

U.S. Technical Advisory Group (TAG) to ISO/TC 192 – Gas Turbines

Please be advised that the American Society of Mechanical Engineers (ASME), the ANSI-accredited administrator of the U.S. TAG to ISO/TC 192, is seeking participants for the U.S. TAG. All U.S. stakeholder organizations in relevant fields and industries are strongly encouraged to get involved, that those representing utilities are especially sought.

ISO/TC 192 – Gas Turbines operates under the following scope:

> Standardization in the field of all aspects of gas turbine design, application, installation, operation and maintenance, including simple turbine cycles, combined cycle systems, definitions, procurement, acceptance, performance, environment (on the gas turbine itself and the external environment) and methods of test.
>
> ISO/TC 192 is responsible for preparing horizontal standards for all types of gas turbines. Work on aero gas turbine engines shall be undertaken in liaison with those technique committees having the primary responsibility.
>
> Note: ISO/TC 20 has the primary responsibility of preparing standards relative to the specific application of gas turbines to aerospace.

Organizations requiring additional information or interesting in participating on the U.S. TAG should contact U.S. TAG Secretary Lauren Powers at lpowers@asme.org or ANSI's ISO Team at isot@ansi.org.

ISO Proposals for a New Fields of ISO Technical Activities

Foundry Machinery

Comment Deadline: January 22, 2016

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Foundry Machinery, with the following scope statement:

> Standardization of foundry machinery, including terminology, classification, specifications, test methods and quality requirements of sand preparation equipment, moulding equipment, core making equipment, die-casting equipment (die-casting machine, low pressure casting machine, centrifugal casting machine, gravity casting machine) and casting cleaning & grinding equipment etc.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, January 22, 2016.

Meeting Notices

AHRI Meetings

Revision of AHRI Standard 700-2015, Specifications for Refrigerants

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on January 19 from 1 p.m. to 2 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mikelann Scerbo at mscerbo@ahrinet.org.

Revision of ANSI/AHRI Standard 1230-2010, Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air Conditioning and Heat Pump Equipment

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on February 4 from 9 a.m. to 2 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Richie Mohan at rmohan@ahrinet.org.

Test Standard for Gutter Systems ~~Used with Low Slope Roof Systems~~

Substantive change:

1.1. This standard provides methodology for the testing of **Gutters** ~~used with low-slope roofs~~. This standard is applicable to roof Gutters of all material types and installation methods ~~of low-slope roofs~~.

2.1 This standard specifies a laboratory method for static testing external **Gutters** ~~used with low-slope (2 in 12 or less) roofing~~. Testing of ~~half round~~circular cross section gutters is not addressed in this standard.

2.2 This standard does not address water removal or the water-carrying capability of the **Gutter** ~~as other building codes already address this issue. This Standard~~ and does not consider downspouts or leaders.

Rationale:

The test methods are also applicable to gutters installed on steep-slope roofs.

Substantive change:

4.2 **Water, Ice and Snow Load** ~~(See Commentary C4.2)~~

Test shall demonstrate ~~he~~ **Gutter System** will resist loads of water, ice and snow calculated per code for the project~~shall be tested to withstand a downward force per unit length equal to two times the maximum weight of water when the **Gutter** is filled to capacity.~~

~~$F_s = S_f \times \rho_w \times A_w$~~

~~In which:~~

~~F_s = Downward static load per unit length of **Gutter**.~~

~~A_w = *Cross-sectional area of the water when the Gutter is filled to capacity, and*~~

~~ρ_w = Density of water~~

~~S_f = **Safety Factor** = 2.00~~

~~The **Gutter System** shall be therefore subjected to downward loads of~~

~~$F_w = 124 \times A_w$ with F_w in pounds per foot and A_w in ft^2 or~~

~~($F_w = 170 \times A_w$ with F_w in N/m and A_w in m^2.)~~

6.0 SPRI Test Method G-3

Water, Ice, and Snow Load Test for **Gutter**

6.1 Water, Ice, and Snow Loads

Rationale:
Ice loads are included in ASCE 7 and in northern climates, the ice loads exceed the water load.

Substantive change:

4.3.1 Wind Resistance of Gutter Systems

The **Gutter System** shall be tested using SPRI Test G-1 for resistance to outward (horizontal) loads and using SPRI Test G-2 for upward (vertical) loads. Test results shall meet or exceed design wind pressures required by local code ~~with a safety factor of 2.0~~.

4.4 Securement

The **Gutter System** shall be secured to a **Substrate,** e.g. **Nailer,** that provides resistance equal to or greater than the resistance provided by the test apparatus used to determine the **Gutter** resistance loads by SPRI Tests G-1, G-2 and G-3 ~~with a safety factor of 2.0~~.

Rationale:
Any required safety factor should be included in design and or code and not be part of a test standard.

Substantive change:

6.1.6 Loading (See Commentary C6.1.6)

~~Loading shall be applied uniformly to the bottom of the **Gutter** on centers no greater than 12in (300 mm). Loads shall be applied at a rate which achieves full load in five seconds or more. Loading shall proceed as indicated until the test specimen either fails or exceeds the target test load.~~

Loading shall be applied uniformly on the centerline of the bottom of the **Gutter** on centers no greater than 12 in (300 mm). Loads shall be applied incrementally and held for not less than 60 seconds after stabilization has been achieved at each incremental load. Between incremental loads, the loading shall be reduced to zero until the specimen stabilizes, or for five minutes, whichever happens first. After the stabilization period, initiate the next higher incremental load. Loading to the bottom of the **Gutter System** shall be applied in increments not to exceed 15 lbs/lf (22.32) until approximately ½ of the expected failure load is obtained. Thereafter, increments of load shall not exceed 5 lbs/lf (7.44 k/m). Loading speed shall be such that each incremental load up to and including 60 lb/lf~~ft~~ (89.28 k/m) shall be achieved in 5-60 seconds. Above 60 lbs/lf (89.28 k/m) incremental loading shall be achieved in 5-120 seconds.

Loading shall proceed as indicated until the test specimen either fails or exceeds the required design load. The increments of load application shall be chosen so that a sufficient number of observations are made to determine the exact load at failure. The last sustained 60-second load without failure is the maximum test load recorded as the test value.

Rationale:
With the revision adding Ice and snow (result of a comment) the G-3 test procedure outlined in 6.1.6 needed to be changed to allow testing to higher loads or failure that may be needed.

BSR/UL 9, Standard for Safety for Fire Tests of Window Assemblies

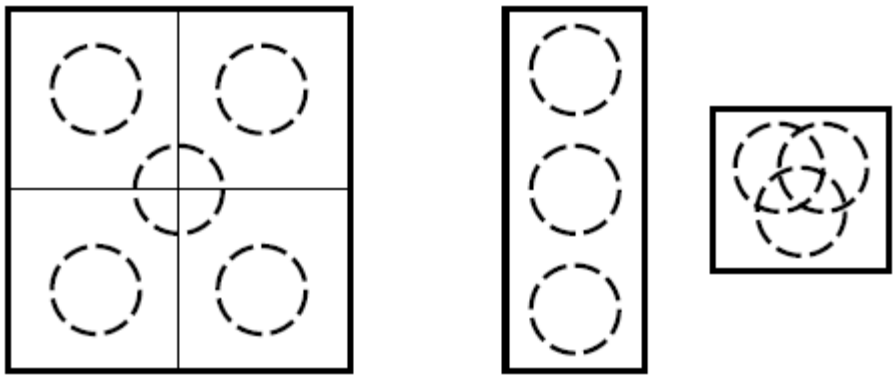
1. Radiant Heat Flux

5.2 Heat flux

5.2.1 ~~The radiative heat flux transmitted through the test assembly is to be measured when requested by the test sponsor. The flux measurements are to be recorded at least once every minute.~~ The surface temperature of glazing panels shall be measured and the resulting radiant heat flux calculated when requested by the test sponsor. The measurements shall be made at intervals not exceeding 5 minutes for up to 30 minutes during the fire exposure. Temperature measurements may be continued for the duration of the test at the discretion of the test sponsor.

5.2.2 ~~The radiative heat flux is to be measured by an instrument capable of measuring radiant heat flow having a range of 0 to 50 kW/m^2 with an accuracy of ±5% of the maximum range. The response time of the instrument is to be such that the instrument is capable of recording 64% of the maximum range within 10 seconds. The view angle of the instrument is to be 180 ±5°.~~Temperatures are to be measured at the center of each quadrant of each glazing panel in the test assembly. For glazing panels with dimensions of 24" x 24" or larger, temperatures shall be measured with an Infrared thermometer with a target area of between 6 and 12 inches in diameter. For glazing panels of dimensions of less than 24" x 24" temperatures shall be measured at a minimum of 3 locations evenly distributed over the exposed surface. Glazing panels with a dimension of less than 6" or an area of 100 square inches or less are not required to be measured for temperature of radiant flux. Muntins contained within a glazed area shall be considered part of the glazing panel for the purpose of temperature measurement.

NOTE: IR Thermometers are typically equipped with laser indicators that show the area being measured. The size of the measurement area can be adjusted by changing the distance between the device and the measured surface. The following are examples of typical temperature measurement locations for varying shapes and sizes:



su2254

5.2.2.1 The IR thermometer shall have a stated accuracy of ± 2% of reading or better and shall have an adjustable emissivity setting. Unless requested otherwise by the test sponsor, the emissivity of the glazing shall be assumed to be 0.8 and other painted frame materials shall be assumed to be 0.9. The test sponsor's requested emissivity of the glazing or frame materials shall be determined and verified prior to the test with the IR Thermometer being adjusted accordingly. The measurements made for each glazing panel at each reading interval shall be averaged and the average shall be used to determine the radiative heat flux.

5.2.3 ~~The radiative heat flux is to be measured in a plane parallel, and at a distance of 39 ±3/8 in (1.0 ±0.01 m) from the unexposed surface of the test assembly.~~ The radiative heat flux is to be is to be determined in accordance with the Stefan-Boltzmann law as shown in the following equation:

$$Q_R = 5.6703x10^{-11}(e_g)(e_r)(T_g^4-T_r^4)\ (kW/m^2)$$

Where:

Q_R = radiant flux (kW/m^2)

5.6703 x 10^{-11} = Stefan-Boltzmann constant (kW/M^2K^4)

e_g = emissivity of glazing

e_r = emissivity of room surface parallel to the assembly (may be assumed to be 0.9)

T_g = glazing surface temperature ºK

T_r = temperature of room surface parallel to the assembly (may be assumed to be ambient) °K

~~APPENDIX B~~
~~Requirements for Thermocouple Pads~~

~~B1 Refractory fiber material[a] is to be used as a thermocouple pad when distortion of the unexposed face of the test specimen will be insignificant. Such material is not to be used on surfaces subject to sharp distortions or discontinuities during the test. A pad formed from this material is to have the following characteristics:~~

~~a) Length and width - 6 ±1/8 (152 ±3 mm).~~

~~b) Thickness[b] - 0.375 ±0.063 in (9.5 ±1.6 mm).~~

~~c) Dry weight - 0.147 ±0.053 pounds (67 ±24 g).~~

~~d) Thermal conductivity at 150°F (66°C) - 0.37 ±0.03 Btu-inch per hour per square foot per degree F (0.053 ±0.004 W/m K).~~

e) Hardness[c] (on soft face) - 2.25 to 4.5 (modified Brinnell).

[a]Johns-Manville Ceraform 126, or the equivalent, complies with these specifications.

[b]The thickness measurement is to be made under the light load of a 1/2 in (12.7-mm) diameter pad of a dial micrometer gage.

[c]The hardness measurement is to be made by pressing a 1 in (25.4 mm) diameter steel ball against the specimen and measuring the indentation obtained between a minor load of 2 pounds-mass (0.91 kg) and an additional major load of 10 pounds-mass (4.5 kg) [12 pounds-mass (5.4 kg) total load]. The hardness is obtained by the relationship:

$$Hardness = \frac{2.24}{y}$$

In which:

y is the difference in indentation in inches.

BSR/UL 1236, Standard for Battery Chargers and Charging Engine-Starter Batteries

1. Modify Supplement SC to allow a communication interface to take the place of physical meters and alarms

PROPOSAL

SC3.1 A battery charger shall be provided with both open and closed contacts on the load side of the direct-current overcurrent protective device in each output circuit or shall include equivalent digital based alarms that may be read remotely, to operate an external alarm device in the event of loss of output current.

2. Modify Supplement SE to allow a communication interface to take the place of physical meters and alarms

PROPOSAL

SE3.1 A battery charger shall be provided with both open and closed contacts or shall include digital based alarms that may be read remotely in accordance with SE4.8 to operate an external alarm device in the event of loss of output current.

SE3.2 An output ammeter and an output voltmeter shall be provided with or as part of a battery charger. Each meter shall have a reading tolerance of 5 percent or less when the charger is supplying its nominal rated charging current. Output current and output voltage which may be read remotely through a communication interface are considered to fulfill this requirement.

BSR/UL 1310, Standard for Class 2 Power Units

1. Addition of Requirements for a Power Unit with an External Battery Pack

PROPOSAL

1.1 These requirements cover indoor and outdoor use Class 2 power supplies and battery chargers. These units utilize an isolating transformer and may incorporate components to provide an alternating- or direct-current output. Each output provides Class 2 power levels in accordance with the National Electrical Code, ANSI/NFPA 70. Maximum output voltage does not exceed 42.4 V peak for alternating current, 60 V for continuous direct current. These products are intended primarily to provide power to low voltage, electrically operated devices. These requirements apply to:

a) Portable and semipermanent mounted direct plug-in units provided with 15 A blade configurations for use on nominal 120 or 240 V alternating current branch circuits with a maximum potential of 150 V to ground;

b) Cord- and plug-connected units provided with a 15 or 20 A attachment plug configuration for use on nominal 120 or 240 V alternating current branch circuits with a maximum potential of 150 V to ground; and

c) Units permanently connected to the input supply for use on nominal 600 V or less alternating or direct current branch circuit.

Direct plug-in and cord-connected units may also be provided with an integral cigarette lighter connector assembly, or a direct current input jack for being powered from a vehicle battery adapter or from a data port associated with information technology equipment or from an external battery pack. These units utilize an isolating transformer and may incorporate components to provide an alternating- or direct-current output. Each output provides Class 2 power levels in accordance with the National Electrical Code, ANSI/NFPA 70. Maximum output voltage does not exceed 42.4 V peak for alternating current, 60 V for continuous direct current. These products are intended primarily to provide power to low voltage, electrically operated devices.

POWER UNITS SUPPLIED FROM INFORMATION TECHNOLOGY EQUIPMENT DATA PORTS INCLUDING AN EXTERNAL BATTERY PACK

74.1 These requirements apply to a power unit with a direct current input jack for being powered from a data port associated with information technology equipment or from an external battery pack. These requirements supplement and modify the requirements of Sections 3 - 54.

74.2 The external battery pack shall comply with the requirements in the Standard for Household and Commercial Batteries, UL 2054, and the power unit shall be provided with the external battery pack.

Exception: A unit supplied by a primary (non-rechargeable) battery pack in standardized size (for example: 9 V or AA size) is not required to be provided with the battery pack.

75.2 EXTERNAL BATTERY PACK - A battery which is provided with the power unit, contained in a supplemental rigid enclosure, and provided with or without protective devices.

76.1 A unit shall be provided with a maximum 10 ft (3.05 m) length of cable for interconnection to the ITE or the external battery pack. The cable shall be stranded conductors having insulation not less than 0.013 inch (0.33 mm) thick, and shall terminate in a data port connector.

76.2 With respect to 76.1, for units with jacketed multi-conductor cable for interconnection to the ITE or the external battery pack, the individual conductor insulation may be less than 0.013 inch (0.33 mm) provided that the thickness of the individual conductor insulation plus the thickness of the jacket is not less than 0.013 inch (0.33 mm).

76.3 A unit shall be provided with a polarized input jack for connection to the ITE or external battery pack.

78.1.2 During the test of 78.1.1, the input intended for connection to ITE shall be connected to its rated voltage. Power supplies provided with an external battery pack shall be connected to the fully charged battery pack during all testing.

78.2.1 A unit shall not emit flame or molten metal or become a risk of fire or electric shock (see 39.1.2) when subjected to the test in 78.2.2.

Exception: This test need not be conducted on dc input from a specific external battery pack with an input jack that is proprietary to the manufacturer.

78.3.1 An attached input cable for interconnection to the ITE or the external battery pack is to withstand a 20 pounds-force (89 N) applied for 1 minute so that the strain relief means is stressed from the most severe angle that the construction permits. The results are acceptable if, with the input wiring connected internally, movement of the cable does not result in:

a) A reduction of electrical spacings to primary and dead metal parts;

b) Damage to the transformer or enclosure; or

c) Interruption of the input wiring.

79.1 The input intended for connection to ITE or the external battery pack shall be marked with its rated input voltage, “dc” and rated input current, wattage or volt-amperes.

79.2 The unit supplied from ITE data ports shall be marked “CAUTION - Risk of Injury and Fire” and one of the following or equivalent:

a) “Connect only to equipment specified in the instructions” (see 80.1); or

b) “Connect only to [type] certified to meet the Standard for Information Technology Equipment Safety - Part 1: General Requirements, UL 60950-1.”

The [type] shall be filled in with the type of ITE to which it may be connected which complies with the Standard for Information Technology Equipment Safety - Part 1: General Requirements, UL 60950-1 (for example “a data port on equipment”).

79.3 The units supplied from an external battery pack shall be marked with the following:

a) "CAUTION - Risk of Injury and Fire"; and

b) "Use only [type] for this power unit."

The [type] shall be filled in with an appropriate descriptor to instruct the use of the external battery pack. (For example: 9 V size alkaline battery, AA size alkaline battery, [Manufacturer's Name] Model [external battery pack part number])