ANSI STANDARDS ACTION

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

VOL. 47, #15 *April 8, 2016*

Contents

American National Standards

Call for Comment on Standards Proposals 2
Call for Members (ANS Consensus Bodies) 13
Final Actions 16
Project Initiation Notification System (PINS) 17
ANS Maintained Under Continuous Maintenance 21
ANSI-Accredited Standards Developers Contact Information 22

International Standards

ISO and IEC Draft Standards 24
ISO and IEC Newly Published Standards 27

Proposed Foreign Government Regulations 29
Information Concerning 30

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: May 8, 2016

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum I to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum reorganizes the roof heat island mitigation section and adds new provisions for vegetated terrace and roofing systems relative to plant selection, growing medium, roof membrane protection, and clearances. In addition, provisions for the operation and maintenance of vegetated roofs have been added to Section 10.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum N to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum clarifies footnote b to Table 7.5.2A of Standard 189.1-2014. This footnote provides a method to adjust the Percent Reduction for buildings with unregulated energy cost exceeding 35% of the total energy cost. This addendum clarifies that the adjustment is to be made on the basis of energy cost, not energy use.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum O to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum proposes revisions to the existing purpose and scope of the standard to clarify the intended purposes of the standard and its application.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum P to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum proposes to add requirements for water-bottle filling stations, which are intended to improve water efficiency and sanitation of public drinking water, and to reduce the environmental effects of plastic bottles.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum R to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum lowers the ductwork pressure testing threshold to include 3-inch pressure class ducts, which are common upstream of VAV boxes.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum S to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum removes the performance option for water use and moves the prescriptive option into the mandatory section.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum T to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum adds new requirements for reverse osmosis and onsite reclaim water systems in order to reduce the likelihood of excessive water use due to poor design of water treatment and filter system.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum U to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum adds new requirements for water softeners to reduce water consumption given the impact of their design and efficiency on water discharge water rates.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 04/08/16) (revision of ANSI/UL 498-2016)

The following changes are being recirculated: Proposed changes to Attachment Plugs and Receptacles: (1) Additional exemption added to address horsepower overload testing for specific configurations; (2) Supplement SG, Use of Nonmetallic Sheathed Cable Interconnects.

Click here to view these changes in full

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 857-201x, Standard for Safety for Busways (revision of ANSI/UL 857-2011a)

This proposal for UL 857 covers a revision of the current rating for Continuous Plug-in Busways in Paragraph 2.3.4.3.1.

Click here to view these changes in full

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

Comment Deadline: May 23, 2016

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 10993-16-201x, Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (identical national adoption of ISO 10993-16 (current version) and revision of ANSI/AAMI/ISO 10993-16-2010 (R2014))

This part of ISO 10993 gives principles on how toxicokinetic studies relevant to medical devices should be designed and performed. Annex A describes the considerations for inclusion of toxicokinetic studies in the biological evaluation of medical devices.

Single copy price: $95.00

Obtain an electronic copy from: abenedict@aami.org

Order from: www.aami.org

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

ASA (ASC S1) (Acoustical Society of America)

Revision

BSR/ASA S1.6-201x, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (revision of ANSI/ASA S1.6-1984 (R2011))

Defines preferred frequencies and nominal filter band center frequencies to be used for acoustical measurements. Exact filter center frequencies for constant percent bandwidth filter banks are calculated using ordinal integer band numbers. The differences between the preferred frequencies for pure tone measurements and constant percent bandwidth filter center frequencies are described.

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

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 202-2013, Commissioning Process for Buildings and Systems (addenda to ANSI/ASHRAE Standard 202-2013)

This addendum to Standard 202-2013 changes the term “Commissioning Authority (CxA)” to “Commissioning Provider” throughout the standard.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum Q to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum modifies Chapters 5, 7, 8, 11 as well as Appendices A and E, to reflect the addition of Climate Zone 0 in ASHRAE Standard 169-2013, Climatic Data for Building Design Standards.

Single copy price: $35.00

Obtain an electronic copy from: standards.section@ashrae.org

Order from: standards.section@ashrae.org

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

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

Revision

BSR/ASHRAE Standard 118.2-201x, Method of Testing for Rating Residential Water Heaters and Residential-Duty Commercial Water Heaters (revision of ANSI/ASHRAE Standard 118.2-2006 (R2015))

This revision of Standard 118.2-2006 provides test procedures for rating the efficiency and hot-water delivery capabilities of directly heated residential water heaters and residential-duty commercial water heaters.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31.3-2014, Process Piping (revision of ANSI/ASME B31.3 -2014)

Rules for the Process Piping Code Section B31.3 have been developed considering piping typically found in petroleum refineries; chemical, pharmaceutical, textile, paper, semiconductor, and cryogenic plants; and related processing plants and terminals.

(a) This Code prescribes requirements for materials and components, design, fabrication, assembly, erection, examination, inspection, and testing of piping; and

(b) This Code applies to piping for all fluids, including (1) raw, intermediate, and finished chemicals; (2) petroleum products; (3) gas, steam, air, and water; (4) fluidized solids; (5) refrigerants; (6) cryogenic fluids.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Riad Mohamed, (212) 591 -8460, MohamedR@asme.org

ASSE (ASC A1264) (American Society of Safety Engineers)

Revision

BSR/ASSE A1264.1-201X, Safety Requirements for Workplace Walking/Working Surfaces & Their Access; Workplace Floor, Wall & Roof Openings; Stairs & Guardrails Systems (revision of ANSI/ASSE A1264.1 -2007)

This standard sets forth safety requirements in industrial and workplace situations for protecting persons in areas/places where danger exists of persons or objects falling through floor, roof or wall openings, or from platforms, runways, ramps and fixed stairs, or roof edges in normal, temporary, and emergency conditions.

Single copy price: $77.00

Obtain an electronic copy from: OMunteanu@ASSE.org

Order from: Ovidiu Munteanu, (847) 232-2012, OMunteanu@ASSE.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B302-201x, Ammonium Sulfate (revision of ANSI/AWWA B302 -2010)

This standard describes ammonium sulfate, (NH4)2SO4, for the use in the treatment of potable water, wastewater, and reclaimed.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

ESTA (Entertainment Services and Technology Association)

New Standard

BSR E1.42-201x, Entertainment Technology - Design, Installation, and Use of Orchestra Pit Lifts (new standard)

This standard covers the design, construction, operation, inspection, testing, maintenance, alteration, and repair of permanently installed orchestra pit lifts and their associated parts, rooms, spaces, enclosures, and hoistways, where located in a theater or a similar place of public entertainment.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

ESTA (Entertainment Services and Technology Association)

New Standard

BSR E1.56-201x, Entertainment Technology - Rigging Support Points (new standard)

This Standard applies to stationary rigging points that are intended to be permanent and provides minimum requirements for the design, fabrication, installation, inspection, and documentation of these rigging points for their use to support rigging loads.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.28-2011 (R201x), Guidance on planning followspot positions in places of public assembly (reaffirmation of ANSI E1.28-2011)

E1.28 offers guidance on the planning of permanent followspot positions, including recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated, the amount of space likely to be needed, and the fall protection and egress issues to be considered for the followspot operator's safety. The existing standard is being considered for reaffirmation.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

MHI (Material Handling Industry)

Revision

BSR MH27.1-201X, Patented Track Underhung Cranes and Monorail Systems (revision of ANSI MH27.1-2003 (R2009))

This standard applies to underhung cranes whose end trucks operate on the lower flange of a patented-track runway section; and to carriers (trolleys) operating on single-track patented-track monorail systems, including all curves, switches, transfer devices, lift and drop sections, and associated equipment.

Single copy price: $50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

MHI (Material Handling Industry)

Revision

BSR MH27.2-201X, Enclosed Track Underhung Cranes and Monorail Systems (revision of ANSI MH27.2-2003 (R2009))

This standard applies to underhung cranes whose end trucks operate on the internal flange of a runway using enclosed track section; and to trolleys (carriers) operating on single-track monorail systems, including all curves, switches, transfer devices, lift and drop sections, and associated equipment.

Single copy price: $50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Reaffirmation

BSR C78.180-2003 (R201x), Standard for electric lamps: Specifications for Fluorescent Lamp Starters (reaffirmation of ANSI C78.180-2003 (R2011))

This standard is intended to cover performance of glow switch starters used with preheat-type fluorescent and similar discharge lamps. It does not include starters that are an integral part of a lamp or manually operated switches that may be used for lamp starting.

Single copy price: $95.00

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Reaffirmation

BSR C78.682-1997 (R201X), Standard for electric lamps: Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps (reaffirmation and redesignation of ANSI/IEC C78.682-1997 (R2010))

This standard specifies details of the type of thermocouple to be used to measure the pinch temperature of quartz-tungsten-halogen lamps, the methods of preparation of the lamp and thermocouple, and the measurement to be made.

Single copy price: $100.00

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR C78.40-201X, Electric Lamps: Specifications for Mercury Lamps (revision of ANSI C78.40-2011)

This standard sets forth the physical and electrical requirements for single-ended metal halide lamps operated on 60-Hz ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts as well as the lamp-related requirements for luminaires. Luminous flux and lamp color are not part of this standard.

Single copy price: $275.00

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR C78.81-201x, Electric Lamps - Double-Capped Fluorescent Lamps - Dimensional and Electrical Characteristics (revision and redesignation of ANSI ANSLG C78.81-2014)

This standard sets forth the physical and electrical characteristics of the principal types of FL lamps intended for application on conventional line-frequency circuits, and electronic high-frequency circuits. Some datasheets may specify more than one circuit application. Specifications for both the lamp itself and the interactive features of the lamp and ballast are given. Only double-based lamps of the regular linear shape are included. Single-based lamps including compact, circular, square-shaped and U-shaped are found in ANSI C78.901. Lamps for conventional systems relying on auxiliary support from external ballasts are described. These lamps are those designed for 60Hz and/or high frequency operation. Lamp color is not specified herein. Certain lamp types covered in this standard may be similar to those in IEC 60081. However, additional types are included that are used only in North America and are not specified in the IEC standard.

Single copy price: $500

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR C78.380-201X, Electric Lamps - High-Intensity Discharge Lamps - Method of Designation (revision of ANSI C78.380-2007 (R2010))

This standard describes a system for the designation of high-intensity discharge lamps, including compact, enclosed-arc discharge light sources such as mercury, metal halide, high-pressure sodium, and similar types of lamps. For convenience, low-pressure sodium lamps, although technically not high-intensity discharge lamps, are included with the group

Single copy price: $75.00

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR C78.1195-201X, Electric Lamps - Double-capped fluorescent lamps - Safety Specifications (revision and redesignation of ANSI C78.1195-2001 (R2011))

This International Standard specifies the safety requirements for double-capped fluorescent lamps for general lighting purposes of all groups having Fa6, Fa8, G5, G13, 2G13, R17d, and W4.3 8.5d caps. It also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with his test records on finished products. This method can also be applied for certification purposes. Details of a batch test procedure which can be used to make limited assessment of batches are also given in this standard.

Single copy price: $50.00

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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR C78.1199-201X, Electric Lamps - Single-capped fluorescent lamps - Safety Specifications (revision and redesignation of ANSI C78.1199-2001 (R2011))

This International Standard specifies the safety requirements for single-capped fluorescent lamps for general lighting purposes of all groups having 2G7, 2GX7, GR8, 2G10, G10q, GR10q, GX10q, GY10q, 2G11, G23, GX23, G24, GX24, and GX32 caps. It also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with his test records on finished products. This method can also be applied for certification purposes. Details of a batch test procedure which can be used to make limited assessment of batches are also given in this standard.

Single copy price: $50.00

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

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revision

BSR C82.9-201X, Lamp ballasts: High-Intensity Discharge and Low-Pressure Sodium Lamps - Definitions (revision and redesignation of ANSI ANSLG C82.9-2010)

This standard provides definitions related to specific terms contained in HID and LPS lamps and ballast standards.

Single copy price: $110.00

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

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

Withdrawal

BSR C82.12-1999 (R2010), Standard for Lamp Ballasts - Fluorescent Adapters (withdrawal of ANSI C82.12-1999 (R2010))

This standard is intended to cover fluorescent lamp adapters rated for 120- and 127-volt, 60-hertz input and for use with Edison-screw lampholders. This comprises adapters for hot-cathode fluorescent lamps, with either preheat (switch)-start, rapid-start (continuously heated cathodes), modified rapid start or programmed start. The adapter and lamp combinations covered by this specification are normally intended for use in room ambient temperatures of 10 to 40 degrees Celsius. At ambient temperatures outside this range, the performance may vary outside the values given in this document and certain special operating characteristics may be required.

Single copy price: $60.00

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

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

NSF (NSF International)

Revision

BSR/NSF 58-201x (i72r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2015 & ANSI/NSF 58-201x (i72r1))

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking-water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/31640/58i72r2%20JC%20memo%20&%20ballot.pdf

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

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

SPRI (Single Ply Roofing Institute)

Revision

BSR/SPRI FX-1-201x, Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners (revision of ANSI/SPRI FX-1 -2011)

This standard provides procedures used in the field to test the pullout resistance of all types of fasteners. The data developed from these tests provide the roof system manufacturer, design professional, and other practitioners with pullout resistance values for the specific fastener installed into the load-resisting material of the deck.

Single copy price: $5.00

Order from: Linda King, (781) 647-7026, info@spri.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 470.210-F-201x, Telecommunications - Telephone Terminal Equipment - Resistance and Impedance Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.210-E -201x)

Project to revise ANSI/TIA 470.210-E to remove impedance requirements related to B-Type ringing

Single copy price: $56.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 470.220-E-201x, Telecommunications - Telephone Terminal Equipment - Alerter Acoustic Output Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.220-D-2014)

This project is a result of discussion during the May meeting about the fact that the ATIS removed reference to anything other than 20-Hz ringing in the 2000 revision of its ANSI/T1.401 network interface standard (now ATIS 0600401.2006). A liaison request to ACTA (see TR41-15-05-007-L) for guidance on this matter was forwarded to the ATIS Copper/Optical Access, Synchronization, and Transport Committee (COAST) and resulted in a reply indicating that 20-Hz ringing is all that needs to be supported (see TR41-15 -05-008-L)

Single copy price: $60.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 62841-2-5-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws (national adoption with modifications of IEC 62841-2-5)

(1) Proposed adoption of the first edition of IEC 62841-2-5, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws, as the first edition of UL 62841-2-5.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664 -3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 1638A-201x, Standard for Safety for Visual Signal Appliances for General Signaling Use (new standard)

New proposed first edition of UL 1638A, covering visual signaling devices intended only for general use - electrically operated visual signaling appliances rated 300 volts or less, intended for indoor locations, outdoor locations, or both, in accordance with the National Electrical Code, NFPA 70.

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: Paul Lloret, (510) 319 -4269, Paul.E.Lloret@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 635-2012 (R201x), Standard for Safety for Insulating Bushings (reaffirmation of ANSI/UL 635-2012)

UL 635 covers insulating bushings and accessories for insulating bushings used for the following purposes in electrical equipment: (a) Insulating bushings used for the protection of cables, flexible cords, and insulated wires, where routed through internal or external walls of electrical equipment; (b) Insulating bushings used to provide strain-relief for flexible cord and single conductor insulated wiring and to protect such cords or wiring; and (c) Accessories to insulating bushings used to supplement the characteristics of the bushing.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1574-2012 (R201x), Standard for Safety for Track Lighting Systems (reaffirmation of ANSI/UL 1574-2012)

The following is being proposed: (1) Reaffirmation and continuance of the third edition of the Standard for Track Lighting Systems, UL 1574, as an American National Standard.

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: Heather Sakellariou, (847) 664-2346, Heather.Sakellariou@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2015)

These proposals for UL 778 cover: (1) The inclusion of additional options for the evaluation of electronic circuits and controls and (2) An update of requirements for switches.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: June 7, 2016

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B32.100-201x, Preferred Metric Sizes for Flat, Round, Square, Rectangle, and Hexagon Metal Products (revision of ANSI B32.100-2005 (R2011))

This Standard established a preferred series of metric thicknesses, widths, and lengths for flat metal products of rectangular cross-section. The thicknesses and widths shown in this Standard are also applicable to base metals that may be coated in later operations. This Standard also establishes a preferred series of metric sizes for round, square, rectangular, and hexagonal metal products.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: April Amaral, AmaralA@asme.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 400.4-201x, Guide for Field Testing of Shielded Power Cable Systems Rated 5 kV and Above with Damped Alternating Current (DAC) Voltage (new standard)

This Guide presents the practices and procedures for testing and diagnosis of shielded power cable systems rated 5 kV and above using damped alternating current (DAC) voltages. It applies to all types of power cable systems that are intended for the transmission or distribution of electric power. The tabulated test levels assume that the cable systems have an effectively grounded neutral system or a grounded metallic shield.

Single copy price: $72.00 (pdf); $90.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 810-201x, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (new standard)

This standard applies to the dimensions for all types of shaft couplings and shaft runout tolerances for hydraulic turbines and generators. Shafts and couplings included in this standard are used for both horizontal and vertical connections between generators and turbines in hydroelectric installations.

Single copy price: $73.00 (pdf); $69.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1707-201x, Recommended Practice for the Investigation of Events at Nuclear Facilities (new standard)

This document provides common terminology and recommended practices for initiating and conducting event investigations, analyzing data, producing results, and identifying corrective actions associated with facility personnel, processes, equipment, and systems at nuclear facilities.

Single copy price: $56.00 (pdf); $69.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 29119-4-201x, ISO/IEC/IEEE International Standard for Software and systems engineering - Software testing - Part 4: Test techniques (new standard)

This part of ISO/IEC/IEEE 29119 defines test design techniques that can be used during the test design and implementation process that is defined in ISO/IEC/IEEE 29119-2. This part of ISO/IEC/IEEE 29119 is intended for, but not limited to, testers, test managers, and developers, particularly those responsible for managing and implementing software testing.

Single copy price: $137.00 (pdf); $171.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE C57.130-201x, Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors (new standard)

This document provides guidance in the application of dissolved gas analysis (DGA) to transformers and reactors subjected to factory temperature rise tests. This document consists of evaluation procedures and guidelines for acceptable levels of gases generated in conventional mineral-oil-filled transformers and reactors during factory temperature rise tests.

Single copy price: $49.00 (pdf); $61.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE C57.157-201x, Guide for Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid-Immersed Transformers (new standard)

This guide is intended for use in establishing a methodology to evaluate expected long-term performance of infrequently operated switch contacts used within insulating-liquid-filled immersed transformers. These switch contacts are typically found in de-energized tapchangers, dual voltage switches, reversing switches, on-load tapchangers, and step voltage regulators, but the test might possibly be used to evaluate any contact that is used in insulating liquids with similar operating characteristics and within similar environments.

Single copy price: $48.00 (pdf); $61.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 1106-201x, Recommended Practice for Installation, Maintenance, Testing, and Replacement of Vented Nickel-Cadmium Batteries for Stationary Applications (revision of ANSI/IEEE 1106-2005 (R2011))

This document provides recommendations for installation design and procedures for installation, maintenance, and testing of vented nickel-cadmium batteries (including partially recombinant types) used for standby operation in stationary applications. This recommended practice also provides guidance for determining when these batteries should be replaced. Separate recommendations are provided for renewable energy systems (e. g., wind turbines and photovoltaic systems), which may provide only partial or intermittent charging.

Single copy price: $56.00 (pdf); $69.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C57.637-201x, Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use (revision and redesignation of ANSI/IEEE 637 -1985 (R2007))

The scope of this guide covers mineral insulating oil commonly defined as transformer oil; definition and description of reclaiming procedures; the test methods used to evaluate the progress and end point of the reclamation process, and what criteria recommended for the use of reclaimed oils are considered suitable. This guide does not cover the use of oil in new apparatus under warranty.

Single copy price: $56.00 (pdf); $69.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

Technical Reports Registered with ANSI

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

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

ASC X9 (Accredited Standards Committee X9, Incorporated)

X9 TR-45-2016, Retail Debit Balances Best Practices and Procedures Technical Report (technical report)

Develop a standard for best practices in the retail industry related to debit balances. The working title of this effort is Retail Industry Debit Balances Best Practices, Terminology, and Procedures. A group of subject matter experts will conduct research and benchmark current practices in the retail industry. Their goal will be to suggest approaches for how to standardize handling of debit balances. The deliverable would be a Technical Report that describes an industry standard for best practices for debit balances, including defining standardized terms and procedures.

Single copy price: Free

Order from: Ambria Frazier ambria.frazier@x9.org

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

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

INCITS/ISO/IEC TR 19075-2:2015 [2016], Information technology - Database languages - SQL

Technical Reports - Part 2: SQL Support for Time-

Related Information (technical report)

This Technical Report describes the support in SQL for time related information. This Technical Report discusses the following features of the SQL language:

— Time-related datatypes;

— Operations on time-related data;

— Time-related Predicates;

— Application-time period tables;

— System-versioned tables;

— Bitemporal tables.

Single copy price: $200.00

Order from: http://webstore.ansi.org

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

RIA (Robotic Industries Association)

RIA TR R15.306-2016, Technical Report for Industrial Robots and Robot Systems - Safety Requirements - Task-Based Risk Assessment Methodology (technical report)

The scope of this technical report is to provide a task-based risk assessment methodology that meets the risk assessment requirements outlined in the American National Standard ANSI/RIA R15.06-2012, a national adoption of the International Standard ISO 10218:2011 (parts 1 and 2). Risk assessment is an important requirement in ANSI/RIA R15.06-2012. This technical report is supplemental to ANSI/RIA R15.06-2012. It provides a task-based risk assessment methodology for industrial robot system applications suitable for identifying hazards and reducing risks to an acceptable level. The Robotic Industries Association (RIA) has prepared this technical report with the objective of enhancing the safety of personnel associated with industrial robot systems, including robots, robot end-effectors, and ancillary equipment, by presenting a task-based risk assessment methodology that has been demonstrated to provide risk reduction guidance for hazards presented by industrial robot system applications.

Single copy price: $45.00

Order from: Carole Franklin, cfranklin@robotics.org

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

Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

API (American Petroleum Institute)

ANSI/API 521-2006, Pressure-relieving and Depressuring Systems/Petroleum and natural gas industries - Pressure-relieving and depressuring systems (withdrawal of ANSI/API 521-2006)

API (American Petroleum Institute)

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

API (American Petroleum Institute)

ANSI/API RP 17C/ISO 13628-3-2002 (R2005), Recommended Practice for TFL (Through Flowline) Systems (withdrawal of ANSI/API RP 17C/ISO 13628-3-2002 (R2005))

API (American Petroleum Institute)

BSR/API 570-200x, Piping Inspection Code: Inspection, Repair, Alteration, and Rerating of In-Service Piping Systems (revision of ANSI/API 570-2000)

API (American Petroleum Institute)

BSR/API 660-201x, Shell-and-Tube Heat Exchangers (identical national adoption of ISO 16812 and revision of ANSI/API Standard 660/ISO 16812 -2007)

API (American Petroleum Institute)

BSR/API 685-200x, Sealless Centrifugal Pumps for Petroleum, Heavy Duty Chemical, and Gas Industry Services (revision of ANSI/API 685-1999)

API (American Petroleum Institute)

BSR/API 1104-200x, Welding of Pipelines and Related Facilities (20th Edition) (revision of ANSI/API 1104-1999)

API (American Petroleum Institute)

BSR/API 607, 4th edition-200x , Fire Test for Soft-Seated Quarter-Turn Valves (Fourth Edition) (identical national adoption of ISO 10497:2004)

API (American Petroleum Institute)

BSR/API 674 (3rd edition)-200x, Petroleum and Natural Gas Industries - Positive Displacement Pumps - Reciprocatin (identical national adoption of)

API (American Petroleum Institute)

BSR/API 545, First Edition, Lightning Protection for Storage Tanks (new standard)

API (American Petroleum Institute)

BSR/API Bulletin 939-E-200x, Identification, Repair, and Mitigation of Cracking of Steel Equipment in Fuel Ethanol Service (new standard)

API (American Petroleum Institute)

BSR/API MPMS 5.9-200x, Vortex Shedding Flowmeters for Custody Transfer of Hydrocarbon Gases and Liquids (Draft Standard) (new standard)

API (American Petroleum Institute)

BSR/API MPMS Ch. 14.1, 7th Edition-201x, Collecting and Handling of Natural Gas Samples for Custody Transfer (new standard)

API (American Petroleum Institute)

BSR/API MPMS Ch. 14.10, 1st Edition-200x, Measurement of Flow to Flares (new standard)

API (American Petroleum Institute)

BSR/API MPMS Ch. 5.6/ISO 17773-200x, Measurement of Liquid Hydrocarbons by Coriolis Meters (national adoption of ISO 17773 (to be published) with modifications and revision of ANSI/API MPMS Ch. 5.6-2002 (R2007))

API (American Petroleum Institute)

BSR/API MPMS Chapter 22.6, 1st Edition-201x, Testing Protocol for Gas Chromatographs (new standard)

API (American Petroleum Institute)

BSR/API RP 574-200x, Inspection Practices for Piping System Components (revision of ANSI/API 574-1998)

API (American Petroleum Institute)

BSR/API RP 576-200x, Inspection of Pressure Relieving Devices (revision of ANSI/API 576-2000)

API (American Petroleum Institute)

BSR/API RP 578-200x, Material Verification Program for New and Existing Alloy Piping Systems (revision of ANSI/API RP 578-1999)

API (American Petroleum Institute)

BSR/API RP 939-C-200x, Guidelines for Avoiding Sulfidation Corrosion Failures in Oil Refineries (new standard)

API (American Petroleum Institute)

BSR/API RP 941-200x, Steels for Hydrogen Service at Elevated Temperatures and Pressures in Petroleum Refineries and Petrochemical Plants (new standard)

API (American Petroleum Institute)

BSR/API RP 17G/ISO 13628-7-201x, Recommended Practice for Completion/Workover Riser Systems (identical national adoption of ISO 13628-7 and revision of)

API (American Petroleum Institute)

BSR/API RP 17L2/ISO 13628-17-200x, Recommended Practice for Flexible Pipe - Ancillary Equipment (identical national adoption of ISO 13628-17)

API (American Petroleum Institute)

BSR/API RP-582-200x, Welding Guidelines for the Chemical, Oil, and Gas Industries (new standard)

API (American Petroleum Institute)

BSR/API RP-520-Part 1-200x, Sizing, Selection, and Installation of Pressure-relieving Devices in Refineries: Part 1 - Sizing and Selection (new standard)

API (American Petroleum Institute)

BSR/API Recommended Practice 2FPS-201x, Planning, Designing, and Constructing Floating Production Systems (national adoption with modifications of ISO 19904-1)

API (American Petroleum Institute)

BSR/API RP 13C/ISO 13501, 4th Ed.-201x, Recommended Practice on Drilling Fluid Processing Systems Evaluation (national adoption with modifications of ISO 13501)

API (American Petroleum Institute)

BSR/API RP 934 A-201x, Materials and Fabrication Requirements for 2 1/4Cr-1Mo & 3Cr-1Mo Steel Heavy Wall Pressure Vessels for High Temperature, High Pressure Hydrogen Service (new standard)

API (American Petroleum Institute)

BSR/API Specification 2C-201x, Offshore Pedestal-Mounted Cranes (new standard)

API (American Petroleum Institute)

BSR/API Specification 7-1-200x, Specification for Rotary Drill Stem Elements (revision of ANSI/API Specification 7-1-2007)

API (American Petroleum Institute)

BSR/API Standard 663-201x, Multi-tube Hairpin Heat Exchangers for General Refinery Services (identical national adoption of ISO 12212)

API (American Petroleum Institute)

BSR/API Standard 664-201x, Spiral Plate Heat Exchangers for General Refinery Services (identical national adoption of ISO 12211)

API (American Petroleum Institute)

BSR/API Standard 936-200x, Refractory Installation Quality Control - Inspection and Testing Monolithic Refractory Linings and Materials (new standard)

API (American Petroleum Institute)

BSR/API Spec 17L1/ISO 13628-16-200x, Specification for Flexible Pipe - Ancillary Equipment (identical national adoption of ISO 13628-16)

API (American Petroleum Institute)

BSR/API Spec 17E, 5th Ed/ISO 13628-5-201x, Specification for Subsea Umbilicals (identical national adoption of ISO 13628-5 and revision of ANSI/API Spec 17E-2003)

API (American Petroleum Institute)

BSR/API Spec 7-1 Addenda-200x, Specification for Rotary Drill Stem Elements (addenda to ANSI/API Spec 7-1-2006)

Inquiries may be directed to Benjamin Coco, (202) 682-8056, cocob@api.org

HL7 (Health Level Seven)

BSR/HL7V3 CDISC2MSG SP, R1-201x, HL7 Version 3 Standard: Regulated Studies; CDISC Content to Message - Study Participation, Release 1 (new standard)

Corrections

Incorrect Prices

BSR/SAIA A92.20-201x, BSR/SAIA A92.22-201x, BSR/SAIA A92.24-201x

In the Call-for-Comment section of the April 1, 2016 issue of Standards Action, three SAIA standards were listed with incorrect prices. The three standards are:

BSR/SAIA A92.20-201x, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) (new standard)

BSR/SAIA A92.22-201x, Safe Use of Mobile Elevating Work Platforms (MEWPs) (new standard)

BSR/SAIA A92.24-201x, Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Plarforms (MEWPs) (new standard)

The correct price for each of these standards is: Free.

For further information, please contact DeAnna Martin, (816) 595-4860, deanna@saiaonline.org.

Extension of Public Review Deadline

BSR/PEARL EERS-2916-201x, Electrical Equipment Reconditioning Standard (new standard)

New Comment Deadline: May 24, 2016

BSR/PEARL EERS-2916-201x was listed in the Call-for-Comments section of the March 11, 2016 issue of Standards Action. The original comment deadline was April 25, 2016. The deadline is now extended until May 24, 2016. The deadline was extended so as to provide the ballot pool with additional documentation related to earlier comments received. The extension will ensure that everyone has adequate time to review and consider the additional documentation we provide. For further information, contact David Stumph, DStumph@kellencompany.com.

Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

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 S1.6-201x, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (revision of ANSI/ASA S1.6 -1984 (R2011))

Obtain an electronic copy from: asastds@acousticalsociety.org

ASQ (ASC Z1) (American Society for Quality)

Office: 600 N Plankinton Ave
Milwaukee, WI 53203

Contact: *Julie Sharp*

Phone: (414) 272-8575

E-mail: standards@asq.org

BSR/ASQ 14004-2016-201x, Environmental management systems - General guidelines on implementation (identical national adoption of ISO 14004:2016)

ASSE (ASC A1264) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Ovidiu Munteanu*

Phone: (847) 232-2012

Fax: (847) 699-2929

E-mail: OMunteanu@ASSE.org

BSR/ASSE A1264.1-201X, Safety Requirements for Workplace Walking/Working Surfaces & Their Access; Workplace Floor, Wall & Roof Openings; Stairs & Guardrails Systems (revision of ANSI/ASSE A1264.1-2007)

Obtain an electronic copy from: Ovidiu Munteanu

ASSE (ASC Z244) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Ovidiu Munteanu*

Phone: (847) 232-2012

Fax: (847) 699-2929

E-mail: OMunteanu@ASSE.org

BSR ASSE Z244.1-201X, Control of Hazardous Energy Lockout, Tagout and Alternative Methods (revision of ANSI ASSE Z244.1-2003 (R2014))

Obtain an electronic copy from: Ovidiu Munteanu

MHI (Material Handling Industry)

Office: 8720 Red Oak Blvd., Suite 201
Charlotte, NC 28217

Contact: *Patrick Davison*

Phone: (704) 714-8755

Fax: (704) 714-8755

E-mail: pdavison@mhi.org

BSR MH27.1-201X, Patented Track Underhung Cranes and Monorail Systems (revision of ANSI MH27.1-2003 (R2009))

Obtain an electronic copy from: pdavison@mhi.org

NEMA (ASC C18) (National Electrical Manufacturers Association)

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

Contact: *Khaled Masri*

Phone: (703) 841-3278

Fax: (703) 841-3367

E-mail: khaled.masri@nema.org

BSR C18.3M, Part 1-201x, Portable Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.3M, Part 1-2013)

PCI (Precast/Prestressed Concrete Institute)

Office: 200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Contact: *Dean Frank*

Phone: (312) 583-6770

E-mail: dfrank@pci.org

BSR/PCI MNL-116-201X, Manual for Quality Control for Plants and Production of Structural Precast Concrete Products, Fifth Edition (new standard)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 211 om-201x, Ash in wood, pulp, paper and paperboard: combustion at 525 degrees C (revision and redesignation of ANSI/TAPPI T 211 om-2012)

BSR/TAPPI T 252 om-201x, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (revision and redesignation of ANSI/TAPPI T 252 om-2012)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 470.210-F-201x, Telecommunications - Telephone Terminal Equipment - Resistance and Impedance Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.210-E-201x)

Obtain an electronic copy from: TIA

BSR/TIA 470.220-E-201x, Telecommunications - Telephone Terminal Equipment - Alerter Acoustic Output Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.220-D-2014)

Obtain an electronic copy from: TIA

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 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 04/08/16) (revision of ANSI/UL 498 -2016)

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

BSR/UL 857-201x, Standard for Safety for Busways (revision of ANSI/UL 857-2011a)

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

BSR/UL 1638A-201x, Standard for Safety for Visual Signal Appliances for General Signaling Use (new standard)

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

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AGMA (American Gear Manufacturers Association)

Reaffirmation

ANSI/AGMA 6034-B92-2010 (R2016), Practice for Enclosed Cylindrical Wormgear Speed Reducers and Gearmotors (reaffirmation of ANSI/AGMA 6034-B92 (R2010)): 3/31/2016

ASA (ASC S1) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S1.15-1997/Part 1 (R2016), Measurement Microphones - Part 1: Specifications for Laboratory Standard Microphones (reaffirmation of ANSI/ASA S1.15-1997/Part 1 (R2011)): 3/31/2016

ANSI/ASA S1.42-2001 (R2016), Design Response of Weighting Networks for Acoustical Measurements (reaffirmation of ANSI/ASA S1.42-2001 (R2011)): 3/31/2016

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S2.24-2001 (R2016), Graphical Presentation of the Complex Modulus of Viscoelastic Materials (reaffirmation of ANSI/ASA S2.24-2001 (R2011)): 3/31/2016

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

New Standard

* ANSI/ASHRAE Standard 110-2016, Method of Testing Performance of Laboratory Fume Hoods (new standard): 4/1/2016

Revision

ANSI/ASHRAE Standard 33-2016, Methods of Testing Forced Circulation Air Cooling and Air Heating Coils (revision of ANSI/ASHRAE Standard 33-2000): 4/1/2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B29.27-2002 (R2016), Single-Pitch and Double-Pitch Hollow Pin Conveyor Chains and Attachments (reaffirmation of ANSI/ASME B29.27-2002 (R2009)): 3/31/2016

AWWA (American Water Works Association)

Revision

ANSI/AWWA B403-2016, Aluminum Sulfate (revision of ANSI/AWWA B403-2009): 3/31/2016

CSA (CSA Group)

Revision

ANSI/CSA NGV 5.1-2016, Residential Fueling Appliance (same as CSA-201x) (revision of ANSI/CSA NGV 5.1-2015): 3/31/2016

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1680.2-2012, Standard for Environmental Assessment of Imaging Equipment (new standard): 3/28/2016

ANSI/IEEE 1680.3-2012, Standard for Environmental Assessment of Televisions (new standard): 3/28/2016

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

ANSI/NAAMM HMMA 867-2016, Guide Specification for Commercial Laminated Core Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 867-2006): 4/1/2016

NENA (National Emergency Number Association)

New Standard

ANSI/NENA STA-013.1-2016, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures (new standard): 3/31/2016

NSF (NSF International)

Revision

* ANSI/NSF 6-2016 (i11r3), Dispensing Freezers (revision of ANSI/NSF 6-2014 (i10r1)): 3/28/2016

* ANSI/NSF 60-2016 (i73r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2015): 3/28/2016

* ANSI/NSF 372-2016 (i4r1), Drinking Water System Components - Lead Content (revision of ANSI/NSF 372-2011): 3/27/2016

* ANSI/WSC PST 2000-2016, WSC Standard for Pressurized Water Storage Tank (revision of ANSI/NSF WSC PST 2000-2014): 3/27/2016

UL (Underwriters Laboratories, Inc.)

Revision

* ANSI/UL 82-2016, Standard for Safety for Electric Gardening Appliances (Proposal dated 10-10-2014) (revision of ANSI/UL 82 -2015): 3/31/2016

* ANSI/UL 1453-2016, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (proposal dated (11-20 -15) (revision of ANSI/UL 1453-2011): 3/29/2016

ANSI/UL 2572-2016, Mass Notification Systems (revision of ANSI/UL 2572-2011): 3/28/2016

ANSI/UL 2572-2016a, Mass Notification Systems (revision of ANSI/UL 2572-2011): 3/28/2016

VC (ASC Z80) (The Vision Council)

New National Adoption

* ANSI/ISO 7998-2016, Spectacle Frames - Lists of Equivalent Terms and Vocabulary (identical national adoption of ISO 7988): 3/31/2016

* ANSI/ISO 8624-2016, Spectacle Frames - Measuring System and terminology (identical national adoption of ISO 8624): 3/31/2016

* ANSI/ISO 12870-2016, Spectacle Frames - Requirements and Test Methods (identical national adoption of ISO 12870): 3/31/2016

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.

AISI (American Iron and Steel Institute)

Office: 25 Massachusetts Avenue, NW
Suite 800
Washington, DC 20001

Contact: *Helen Chen*

Fax: (202) 452-1039

E-mail: Hchen@steel.org

BSR/AISI S202-22-201x, Code of Standard Practice for Cold-Formed Steel Structural Framing (revision of ANSI/AISI S202-2015)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: With new research findings, the current standard will be updated and improved.

In the absence of specific instructions to the contrary in the contract documents, the trade practices defined in AISI S202 would govern the design, fabrication, and installation of cold-formed steel structural framing.

BSR/AISI S220-22-201x, North American Standard for Cold-Formed Steel Framing - Nonstructural Members (revision of ANSI/AISI S220 -2015)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: With new research findings, the current standard will be updated and improved.

AISI S220 is used for design and installation of cold-formed steel nonstructural members in buildings.

BSR/AISI S230-22-201x, North American Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings (revision and redesignation of ANSI/AISI S230-2015)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: With new research findings, the current standard will be updated and improved.

AISI S230 provides a prescriptive method for design and construction of detached one- and two-family dwellings, townhouses, and other attached single-family dwellings not more than three stories in height using repetitive in-line framing practices.

BSR/AISI S240-22-201x, North American Standard for Cold-Formed Steel Structural Framing (revision and redesignation of ANSI/AISI S240-2015)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: With new research findings, the current standard will be updated and improved.

AISI S240 provides requirements for design and installation of floor, wall, and roof systems used in building construction with cold-formed steel structural framing.

BSR/AISI S400-22-201x, North American Standard for Seismic Design of Cold-Formed Steel Structural Systems (revision and redesignation of ANSI/AISI S400-2015)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: With new research findings, the current standard will be updated and improved.

AISI S400 is applicable for the design and construction of cold-formed steel members and connections in seismic force resisting systems (SFRS) in buildings and other structures.

BSR/AISI S919-18-201x, Test Standard for Flexural Strength of Cold-Formed Steel Nonstructural Members (new standard)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: This test standard is developed for use by manufacturers and researchers in cold-formed steel design and analysis so that consistent results can be obtained.

AISI S919 provides the test procedure for determining the nominal flexural strength and stiffness of nonstructural cold-formed steel framing members.

BSR/AISI S920-18-201x, Test Standard for Screw Penetration Through Gypsum Board Into Nonstructural Cold-Formed Steel Framing Members (new standard)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: This test standard is developed for use by manufacturers and researchers in cold-formed steel design and analysis so that consistent results can be obtained.

AISI S920 applies to nonstructural cold-formed steel framing members to provide a means to verify the member has enough strength to pull the head of a drywall screw below the surface of the gypsum board paper face without screw spin-out.

BSR/AISI S921-18-201x, Test Standard for Truss Assemblies and Components (new standard)

Stakeholders: Cold-Formed Steel Framing industry.

Project Need: This test standard is developed for use by manufacturers and researchers in cold-formed steel design and analysis so that consistent results can be obtained.

AISI S921 provides truss performance and confirmatory test methods for truss assemblies, and component test methods for determining strengths and connections of truss members.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: *Carla VanGilder*

Fax: (269) 429-3852

E-mail: vangilder@asabe.org

BSR/ASABE AD500-2-2004 MONYEAR-201x, Agricultural tractors - Rear-mounted power take-off types 1, 2 and 3 - Part 2: Narrow-track tractors, dimensions for master shield and clearance zone (national adoption of ISO 500-2:2004 with modifications and revision of ANSI/ASABE/ISO 500-2-2010)

Stakeholders: All manufacturers of tractors, implements that use PTOs to power implements, drive shafts, and all users of tractors that have implements that require a Front PTO to power the implement.

Project Need: Errors were found in the Foreword of the document. This consists of the ASABE adoption including type-3 PTO into narrow-track tractors. This was not the intent. ISO 500-2 includes applying type-1 and -2 PTOs to narrow-track tractors.

This part of ISO 500 specifies the dimensions of the master shield and clearance zones for rear-mounted power take-offs (PTO) of types 1 and 2 on narrow-track (track width 1 150 mm or less) agricultural tractors.

BSR/ASABE AD8759-2-1998 MONYEAR-201x, Agricultural wheeled tractors - Front-mounted equipment - Part 2: Stationary equipment connection (national adoption of ISO 8759-2:1998 with modifications and revision of ANSI/ASABE AD8759-2:1998 DEC2010 (R2016))

Stakeholders: All manufacturers of tractors, implements that use PTOs to power implements, drive shafts, and all users of tractors that have implements that require a Front PTO to power the implement.

Project Need: Errors were found in the Foreword of the document. Revision also updates the format of the document to the current practice of including and identifying ISO deviations within the text of the ISO.

This part of ISO 8759 specifies dimensions and requirements of the stationary equipment connection for agricultural wheeled tractors which are equipped with front-mounted power take-off but do not have front three-point linkage. It is applicable to the tractor categories defined in ANSI/ASABE AD730:2009 W/Amd. 1:2014 MAR2015.

BSR/ASABE S638 MONYEAR-201x, Pintle Hitching System (new standard)

Stakeholders: Manufacturers and users of agricultural implements and bulk carrier equipment.

Project Need: Current hitching systems (drawbar, ball hitch, etc.) may not be suitable for all situations where implements and bulk carrier equipment are used. In some situations, a need for a hitch that permits a greater angle of pitch and roll is needed.

Establish the requirements for pintle hitch components used in the transport of implements and bulk carrier equipment.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: *Jean Walsh*

Fax: (269) 429-3852

E-mail: walsh@asabe.org

BSR/ASAE EP403.5 MONYEAR-201x, Design of Anaerobic Lagoons for Animal Wastewater Management (revision of ANSI/ASAE EP403.4-NOV-2011 (R2015))

Stakeholders: Livestock producers, lagoon designers/contractors, regulatory agencies.

Project Need: Updates to definitions, references to laws and regulations to align with revision of federal regulations.

This Engineering Practice describes the minimum criteria for design and operation of anaerobic animal waste lagoons located in predominantly rural or agricultural areas.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: 275 West Street
Suite 107
Annapolis, MD 21401

Contact: *Janet Busch*

Fax: (410) 267-0961

E-mail: janet.busch@x9.org

BSR X9.95-201x, Trusted Time Stamp Management and Security (revision of ANSI X9.95-2012)

Stakeholders: Financial Services industry.

Project Need: This is routine maintenance – 5 year review of an existing standard.

This standard specifies the minimum security requirements for the effective use of time stamps in a financial services environment.

BSR X9.111-201x, Penetration Testing within the Financial Services Industry (revision of ANSI X9.111-2011)

Stakeholders: Financial services organizations, testing facilities, banks.

Project Need: This is routine maintenance – 5-year review of an existing standard.

This standard specifies recommended processes for conducting penetration testing with financial service organizations. This standard describes a framework for specifying, describing, and conducting penetration testing, and then relating the results of the penetration testing. This standard allows an entity interested in obtaining penetration testing services to identify the objects to be tested, specify a level of testing to occur, and to set a minimal set of testing expectations. Included in this standard are: A conceptual framework for describing penetration testing, including:
- Roles and responsibilities of participants;
- Types of penetration test;
- A generalized penetration testing cycle;
- General testing methodologies/techniques;
- Limitations of penetration testing;
- Ranking of methodologies, bases of testing effort (testing levels);
- Engagement and scope of work considerations;
- Test Report guidelines;
- Testing requirements;
- Security of the testing environment;

ASQ (ASC Z1) (American Society for Quality)

Office: 600 N Plankinton Ave
Milwaukee, WI 53203

Contact: *Julie Sharp*

E-mail: standards@asq.org

BSR/ASQ 14004-2016-201x, Environmental management systems - General guidelines on implementation (identical national adoption of ISO 14004:2016)

Stakeholders: Industry, academia, government, and general interest.

Project Need: National adoption.

Provides guidance for an organization on the establishment, implementation, maintenance and improvement of a robust, credible and reliable environmental management system. The guidance provided is intended for an organization seeking to manage its environmental responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.

ASSE (ASC Z244) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Ovidiu Munteanu*

Fax: (847) 699-2929

E-mail: OMunteanu@ASSE.org

BSR ASSE Z244.1-201X, The Control of Hazardous Energy Lockout, Tagout and Alternative Methods (revision of ANSI ASSE Z244.1 -2003 (R2014))

Stakeholders: This standard establishes requirements for the control of hazardous energy associated with machines, equipment or processes that could cause injury to personnel.

Project Need: Based upon the consensus of occupational safety and health professionals and those members belonging to ASSE.

This standard establishes requirements for the control of hazardous energy associated with machines, equipment, or processes that could cause injury to personnel.

AWS (American Welding Society)

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

Contact: *John Douglass*

E-mail: jdouglass@aws.org

BSR/AWS C3.2M/C3.2-201x, Standard Method for Evaluating the Strength of Brazed Joints (revision of ANSI/AWS C3.2M/C3.2-2008)

Stakeholders: Brazing engineers, educators, general interest groups.

Project Need: Standard methodology to measure the strength of brazed joints under various loading conditions.

This standard describes the test methods used to obtain brazed strength data of the short-time testing of single-lap joints in shear, butt-tension, stress-rupture, creep-strength, four-point-bending, and ceramic-tensile-button specimens. Specimen preparation methods, brazing procedures, testing techniques, and methods for data analysis are detailed. Sample forms for recording data are presented. A graphical method of data presentation relates shear stress to overlap distance.

NEMA (ASC C18) (National Electrical Manufacturers Association)

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

Contact: *Khaled Masri*

Fax: (703) 841-3367

E-mail: khaled.masri@nema.org

* BSR C18.3M, Part 1-201x, Portable Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.3M, Part 1-2013)

Stakeholders: Update standard with new products, technologies and testing methods.

Project Need: To revise existing standard for new battery chemistries.

The standard applies to portable lithium primary cells and batteries.

PCI (Precast/Prestressed Concrete Institute)

Office: 200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Contact: *Dean Frank*

E-mail: dfrank@pci.org

* BSR/PCI MNL-116-201X, Manual for Quality Control for Plants and Production of Structural Precast Concrete Products, Fifth Edition (new standard)

Stakeholders: Precast Concrete industry.

Project Need: The PCI publication will be revised as a new American National Standard.

The information in this manual is intended to serve as standards for quality control for the manufacture of precast and prestressed concrete products and as a complete guide for the development of an internal manufacturing quality control program. The standard serves as a specification reference document. The manual is developed for plant-produced, precast concrete members or precast, prestressed concrete members manufactured by the process of prestensioning, post-tensioning, or a combination of the two methods. The principles established are, however, also applicable to site-cast precast concrete or prestressed concrete.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341-1318

Contact: *Rebecca Yaletchko*

Fax: (610) 363-5898

E-mail: ryaletchko@scte.org

BSR/SCTE DVS 1222-201x, Recommended Practice for Proper Handling of Audio-Video Synchronization in Cable Systems (new standard)

Stakeholders: Cable Telecommunication industry.

Project Need: Create new standard.

This Recommended Practice specifies proper procedures for the measurement of and maintenance of Audio-Video Synchronization (commonly known as “Lip Sync”) through various aspects of a cable system - including the headend and distribution architecture and devices.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341

Contact: *Travis Murdock*

Fax: (610) 363-5898

E-mail: tmurdock@scte.org

BSR/SCTE IPS SP 804-201x, Plug-in Cable Attenuator Performance Standard (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standards.

The purpose of this proposal is to identify a common minimum specification of electrical performance and certain mechanical characteristics of plug-in attenuators used in CATV HFC networks.

BSR/SCTE IPS SP 917-201x, XFP-WDM: Interface Specification for a Wavelength Division Multiplex Small Form Factor Pluggable Optical Transceiver Module (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Proposed new standard for XFP pluggable that is pin compatible with traditional PON optics but would also provide the same WDM performance of traditional MSA standard devices. The standard will focus on the communications, electrical, optical, and mechanical interfaces for an XFP-WDM pluggable optical transceiver module.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 211 om-201x, Ash in wood, pulp, paper and paperboard: combustion at 525 degrees C (revision and redesignation of ANSI/TAPPI T 211 om-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

This method for determination of ash can be applied to all types and grades of wood pulp, paper, and paper products.

BSR/TAPPI T 252 om-201x, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (revision and redesignation of ANSI/TAPPI T 252 om-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

This procedure provides for the extraction of pulp, paper, and paperboard samples using boiling reagent water followed by determination of the pH and conductivity of the extract.

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 Dr., Suite 301
Arlington, VA 22203
Phone: (703) 253-8284
Fax: (703) 276-0793
Web: www.aami.org

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

AISI
American Iron and Steel Institute
25 Massachusetts Avenue, NW
Suite 800
Washington, DC 20001
Phone: (202) 452-7100
Fax: (202) 452-1039
Web: www.steel.org

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

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

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

ASQ (ASC Z1)
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (414) 272-8575
Web: www.asq.org

ASSE (ASC A1264)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 232-2012
Fax: (847) 699-2929
Web: www.asse.org

ASSE (ASC Z244)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 232-2012
Fax: (847) 699-2929
Web: www.asse.org

AWS
American Welding Society
8669 NW 36th Street
#130
Miami, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

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

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

ESTA
Entertainment Services and Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.plasa.org

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

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street, NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5743
Fax: (202) 638-4922
Web: www.incits.org

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

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

NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3278
Fax: (703) 841-3367
Web: www.nema.org

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

NEMA (ASC C82)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
Phone: 703-841-3262
Fax: 703-841-3362
Web: www.nema.org

NENA
National Emergency Number Association
1700 Diagonal Road
Suite 500
Alexandria, VA 22314
Phone: (202) 618-4405
Web: www.nena.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

PCI
Precast/Prestressed Concrete Institute
200 West Adams Street, Suite 2100
Chicago, IL 60606-5230
Phone: (312) 583-6770
Web: www.pci.org

RIA
Robotics Industries Association
900 Victors Way
Suite 140
Ann Arbor, MI 48108-5210
Phone: (734) 218-0509
Web: www.robotics.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341-1318
Phone: (480) 252-2330
Fax: (610) 363-5898
Web: www.scte.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

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

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

VC (ASC Z80)
The Vision Council

225 Reinekers Lane
Suite 700
Alexandria, VA 22314
Phone: (703) 740-1094
Fax: (703) 548-4580
Web: www.z80asc.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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 19343, Microbiology of the food chain - Detection and quantification of histamine in fish and fishery products - HPLC method - 4/30/2016, $58.00

ISO/DIS 19657, Definition of criteria for a food ingredient to be considered as natural - 6/29/2016, $33.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 18440, Space data and information transfer systems - Space link extension - Internet protocol for transfer services - 4/30/2016, $134.00

ISO/DIS 18441, Space data and information transfer systems - Space link extension - Application program interface for transfer services - Core specification - 4/30/2016, $258.00

ISO/DIS 18442, Space data and information transfer systems - Space link extension - Application program interface for return all frames service - 4/30/2016, $125.00

ISO/DIS 18443, Space data and information transfer systems - Space link extension - Application program interface for return channel frames service - 4/30/2016, $134.00

ISO/DIS 18444, Space data and information transfer systems - Space link extension - Application program interface for return operational control fields service - 4/30/2016, $146.00

ISO/DIS 18445, Space data and information transfer systems - Space link extension - Application program interface for the forward CLTU service - 4/30/2016, $165.00

ISO/DIS 18446, Space data and information transfer systems - Space link extension - Application program interface for the forward space packet service - 4/30/2016, $175.00

ISO/DIS 22645, Space data and information transfer systems - TM (telemetry) space data link protocol - 4/30/2016, $155.00

ISO/DIS 22664, Space data and information transfer systems - TC (telecommand) space data link protocol - 4/30/2016, $165.00

ISO/DIS 22666, Space data and information transfer systems - AOS (advanced orbiting systems) space data link protocol - 4/30/2016, $155.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 18566-1, Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 1: Definition, symbols, technical specifications and requirements - 4/29/2016, $88.00

ISO/DIS 18566-2, Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 2: Determination of heating and cooling capacity of ceiling mounted radiant panels - 4/29/2016, $77.00

ISO/DIS 18566-3, Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 3: Design of ceiling mounted radiant panels - 4/29/2016, $67.00

ISO/DIS 18566-4, Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 4: Control of ceiling mounted radiant heating and cooling panels - 4/29/2016, $53.00

DENTISTRY (TC 106)

ISO/DIS 19448, Dentistry - Analysis of Fluoride Concentration in Aqueous Solutions by Use of Fluoride-Ion Selective Electrode - 6/29/2016, $53.00

ISO/DIS 20749, Dentistry - Pre-capsulated dental amalgam - 4/30/2016, $93.00

FASTENERS (TC 2)

ISO/DIS 4032, Hexagon regular nuts (style 1) - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 4033, Hexagon high nuts (style 2) - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 4034, Hexagon regular nuts (style 1) - Product grade C - 4/30/2016, $40.00

ISO/DIS 4035, Hexagon thin nuts (style 0), chamfered - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 4161, Hexagon high nuts with flange - Product grades A and B - 4/30/2016, $46.00

ISO/DIS 7040, Prevailing torque hexagon regular nuts (with non-metallic insert) - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 7041, Prevailing torque hexagon high nuts (with non-metallic insert) - Product grades A and B - 4/30/2016, FREE

ISO/DIS 7042, Prevailing torque (all-metal) hexagon high nuts - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 7043, Prevailing torque hexagon high nuts with flange (with non-metallic insert) - Product grades A and B - 4/30/2016, FREE

ISO/DIS 7044, Prevailing torque (all-metal) hexagon high nuts with flange - Product grades A and B - 4/30/2016, FREE

ISO/DIS 7719, Prevailing torque (all-metal) hexagon regular nuts - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 8673, Hexagon regular nuts (style 1), with fine pitch thread - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 8674, Hexagon high nuts (style 2), with fine pitch thread - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 8675, Hexagon thin nuts (style 0) chamfered, with fine pitch thread - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 10511, Prevailing torque hexagon thin nuts (with non-metallic insert) - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 10512, Prevailing torque hexagon regular nuts (with non-metallic insert), with fine pitch thread - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 10513, Prevailing torque (all-metal) hexagon high nuts, with fine pitch thread - Product grades A and B - 4/30/2016, $40.00

ISO/DIS 10663, Hexagon high nuts with flange, with fine pitch thread - Product grades A and B - 4/30/2016, $46.00

ISO/DIS 12125, Prevailing torque hexagon high nuts with flange (with non-metallic insert), with fine pitch thread - Product grades A and B - 4/30/2016, $46.00

ISO/DIS 12126, Prevailing torque (all-metal) hexagon high nuts with flange, with fine pitch thread - Product grades A and B - 4/30/2016, $46.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO/DIS 18468, Epoxy coating of ductile iron fittings, valves and accessories - 4/30/2016, FREE

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 3968, Hydraulic fluid power - Filters - Evaluation of differential pressure versus flow - 7/7/2016, $71.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 5832-7, Implants for surgery - Metallic materials - Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy - 4/30/2016, FREE

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 11608-6, Needle-based injection systems for medical use - Requirements and test methods - Part 6: On-body delivery systems - 5/1/2016, $112.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 18557, Characterisation principles for soils, buildings and infrastructures contaminated by radionuclides for remediation purposes - 4/29/2016, $98.00

ISO/DIS 22765, Sintered (U, Pu)O2 pellets - Guidance for ceramographic preparation for microstructure examination - 11/7/2006, $40.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 14997, Optics and photonics - Test methods for surface imperfections of optical elements - 5/1/2016, $67.00

ISO/DIS 10110-7, Optics and photonics - Preparation of drawings for optical elements and systems - Part 7: Surface imperfections - 5/1/2016, $58.00

QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO/DIS 80000-7, Quantities and units - Part 7: Light and radiation - 4/30/2016, $112.00

ROAD VEHICLES (TC 22)

ISO/DIS 6626-1, Internal combustion engines - Piston rings - Part 1: Coil spring loaded oil control rings made of cast iron - 7/7/2016, $155.00

ISO/DIS 26021-2, Road vehicles - End-of-life activation of on-board pyrotechnic devices - Part 2: Communication requirements - 5/1/2016, $125.00

ISO/DIS 12614-19, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 19: Automatic valve - 4/30/2016, FREE

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1437, Rubber compounding ingredients - Carbon black - Determination of sieve residue - 6/29/2016, $46.00

ISO/DIS 2930, Rubber, raw natural - Determination of plasticity retention index (PRI) - 7/7/2016, FREE

ISO/DIS 19718, Rubber and plastics hoses and hose assemblies, wire- or textile- reinforced, for hydraulic power units used in heavy duty hydraulic tool applications - Specification - 4/30/2016, $53.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

IEC/IEEE DIS 80005-1,, FREE

SOLID MINERAL FUELS (TC 27)

ISO/DIS 14180, Solid mineral fuels - Guidance on the sampling of coal seams - 6/29/2016, $82.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37102, Sustainable development and resilience of communities - Vocabulary - 5/2/2016, $62.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 24617-8, Language resource management - Semantic annotation framework (SemAF) - Part 8: Semantic relations in discourse, core annotation schema (ISO DR-corel) - 4/30/2016, FREE

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 19828, Welding for aerospace applications - Visual inspection of welds - 4/30/2016, $62.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 7812-2, Identification cards - Identification of issuers - Part 2: Application and registration procedures - 6/30/2016, FREE

IEC Standards

18/1483/CDV, IEC/IEEE 80005-1: Utility connections in port - Part 1: High Voltage Shore Connection (HVSC) Systems - General requirements, 07/01/2016

18A/393/DC, Maintenance program - Call for comments / proposal for withdrawal / confirmation or maintenance on publications coming up for review and experts for SC18A MT2, 05/13/2016

23J/402/FDIS, IEC 61058-2-6 Ed.1: Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery, 05/13/2016

37/431/CDV, IEC 60099-5/Ed3: Surge arresters - Part 5: Selection and application recommendations, 06/24/2016

40/2461/CD, IEC 62812 Ed.1: Methods of measurement of low resistance, 06/24/2016

47/2281/CDV, IEC 60749-28 Ed.1: Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - device level, 06/24/2016

48B/2475/CDV, IEC 61076-3-104/Ed3: Connectors for electronic equipment - Product requirements - Part 3-104: Detail specification for 8-way, shielded free and fixed connectors for data transmissions with frequencies up to 2000 MHz, 06/24/2016

57/1700/DC, Proposed revision of IEC 61968-4: Application integration at electric utilities - System interfaces for distribution management - Part 4: Interfaces for records and asset management (development of edition 2.0), 05/13/2016

59F/295A/DTS, IEC 62885-1 TS Ed.1: Surface cleaning appliances - Part 1: General requirements, 06/24/2016

61J/637/FDIS, IEC 60335-2-69/Ed5: Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use, 05/13/2016

62C/645/NP, Dedicated Radionuclide Imaging Devices - Characteristics and Test Conditions - Part 1: Cardiac SPECT, 06/24/2016

62D/1349/NP, Medical electrical equipment - Part 2-xx: Particular requirements for the basic safety and essential performance of home light therapy equipment, 07/01/2016

79/549/CD, IEC 62676-5 Ed.1: Video surveillance systems for use in security applications - Part 5: Data specifications and image quality performance for camera devices, 06/24/2016

81/516/CD, IEC 62305-1 Ed.3: Protection against lightning - Part 1: General principles, 06/24/2016

81/517/CD, IEC 62305-2 Ed.3: Protection against lightning - Part 2: Risk management, 06/24/2016

81/518/CD, IEC 62305-3 Ed.3: Protection against lightning - Part 3: Physical damage to structures and life hazard, 06/24/2016

85/542/CD, IEC 61557-12: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD), 05/27/2016

86A/1712/CDV, IEC 60794-1-2/Ed4: Optical fibre cables - Part 1-2: Basic optical cable test procedures - General and definitions, 06/24/2016

88/580/CDV, IEC 61400-25-6 Ed.2: Wind turbines - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring, 06/24/2016

110/760/FDIS, IEC 62906-5-2 Ed.1: Laser display devices - Part 5-2: Optical measuring methods of speckle contrast, 05/13/2016

119/106/NP, Future IEC 62899-402-2: Printed Electronics - Part 402-2: Printability - Measurement of qualitities - Edge waviness, 06/24/2016

121A/85/CD, IEC/TR 63054 Ed.1: Low-voltage switchgear and controlgear - Fire risk analysis and risk reduction measures, 06/24/2016

CIS/A/1157/CD, Amendment 2 to CISPR 16-1-6: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring appratus - EMC antenna calibration, 06/24/2016

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 15753:2016, Animal and vegetable fats and oils - Determination of polycyclic aromatic hydrocarbons, $149.00

ISO 18744:2016, Microbiology of the food chain - Detection and enumeration of Cryptosporidium and Giardia in fresh leafy green vegetables and berry fruits, $149.00

EARTH-MOVING MACHINERY (TC 127)

ISO 9244/Amd1:2016, Earth-moving machinery - Machine safety labels - General principles - Amendment 1, $22.00

ERGONOMICS (TC 159)

ISO 24505:2016, Ergonomics - Accessible design - Method for creating colour combinations taking account of age-related changes in human colour vision, $149.00

FINE CERAMICS (TC 206)

ISO 19635:2016, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for antialgal activity of semiconducting photocatalytic materials, $88.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 5776:2016, Graphic technology - Symbols for text proof correction, $173.00

HOROLOGY (TC 114)

ISO 1413:2016, Horology - Shock-resistant wrist watches, $173.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 21940-12:2016, Mechanical vibration - Rotor balancing - Part 12: Procedures and tolerances for rotors with flexible behaviour, $173.00

PAINTS AND VARNISHES (TC 35)

ISO 16773-1:2016, Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens - Part 1: Terms and definitions, $51.00

ISO 16773-2:2016, Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens - Part 2: Collection of data, $149.00

ISO 16773-3:2016, Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens - Part 3: Processing and analysis of data from dummy cells, $88.00

ROAD VEHICLES (TC 22)

ISO 13400-4:2016, Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 4: Ethernet-based high-speed data link connector, $88.00

ISO 27145-4:2016, Road vehicles - Implementation of World-Wide Harmonized On-Board Diagnostics (WWH-OBD) communication requirements - Part 4: Connection between vehicle and test equipment, $123.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 7364:2016, Ships and marine technology - Deck machinery - Accommodation ladder winches, $51.00

ISO 18421:2016, Ships and marine technology - Inland navigation vessels - Lifebuoy housings, $51.00

STEEL (TC 17)

ISO 22034-2:2016, Steel wire and wire products - Part 2: Tolerances on wire dimensions, $51.00

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

ISO 16016:2016, Technical product documentation - Protection notices for restricting the use of documents and products, $88.00

TIMBER STRUCTURES (TC 165)

ISO 18324:2016, Timber structures - Test methods - Floor vibration performance, $123.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 24534-3:2016, Intelligent transport systems - Automatic vehicle and equipment identification - Electronic registration identification (ERI) for vehicles - Part 3: Vehicle data, $240.00

WATER QUALITY (TC 147)

ISO 5667-24:2016, Water quality - Sampling - Part 24: Guidance on the auditing of water quality sampling, $265.00

ISO Technical Specifications

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/TS 16973:2016, Respiratory protective devices - Classification for respiratory protective device (RPD), excluding RPD for underwater application, $173.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21219-9:2016, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 9: Service and network information (TPEG2-SNI), $240.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 20919:2016, Information technology - Linear Tape File System (LTFS) Format Specification, $240.00

ISO/IEC 13157-2:2016, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 2: NFC-SEC cryptography standard using ECDH and AES, $123.00

ISO/IEC 13157-3:2016, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 3: NFC-SEC cryptography standard using ECDH-256 and AES-GCM, $88.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 60958-SER Ed. 1.0 en:2016, Digital audio interface - ALL PARTS, $1010.00

ELECTRIC WELDING (TC 26)

IEC 62822-1 Ed. 1.0 b:2016, Electric welding equipment - Assessment of restrictions related to human exposure to electromagnetic fields (0 Hz to 300 GHz) - Part 1: Product family standard, $206.00

IEC 62822-2 Ed. 1.0 b:2016, Electric welding equipment - Assessment of restrictions related to human exposure to electromagnetic fields (0 Hz to 300 GHz) - Part 2: Arc welding equipment, $254.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC 60601-2-44 Ed. 3.2 b:2016, Medical electrical equipment - Part 2 -44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography, $605.00

IEC 60601-2-44 Amd.2 Ed. 3.0 b:2016, Amendment 2 - Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography, $20.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 62591 Ed. 2.0 b:2016, Industrial networks - Wireless communication network and communication profiles - Wireless™, $411.00

IEC 62439-2 Ed. 2.0 b:2016, Industrial communication networks - High availability automation networks - Part 2: Media Redundancy Protocol (MRP), $411.00

IEC 62439-3 Ed. 3.0 b:2016, Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR), $411.00

IEC 62439-5 Ed. 2.0 b:2016, Industrial communication networks - High availability automation networks - Part 5: Beacon Redundancy Protocol (BRP), $303.00

S+ IEC 62439-3 Ed. 3.0 en:2016 (Redline version), Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR), $530.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

IEC 60556 Ed. 2.1 b:2016, Gyromagnetic materials intended for application at microwave frequencies - Measuring methods for properties, $545.00

IEC 60556 Amd.1 Ed. 2.0 b:2016, Amendment 1 - Gyromagnetic materials intended for application at microwave frequencies - Measuring methods for properties, $157.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 61162-450 Ed. 1.1 en:2016, Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, $424.00

IEC 61162-450 Amd.1 Ed. 1.0 en:2016, Amendment 1 - Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, $43.00

OTHER

CISPR 16-1-3 Ed. 2.1 b:2016, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power, $315.00

CISPR 16-1-3 Amd.1 Ed. 2.0 b:2016, Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power, $36.00

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.

PINS Corrections

BSR/NENA/APCO Standards

The National Emergency Number Association has revised titles of the following standards projects. The Project Initiation Notification (PINS) first appeared in the May 8, 2015 issue of Standards Action.

BSR/NENA/APCO STA-024.1-201X, NENA/APCO Standard for the Conveyance of Emergency Incident Data Documents (EIDDs) between Agencies, Systems and Applications

BSR/NENA/APCO STA-025.1-201X, NENA/APCO NG9-1-1 Management Considerations for EIDD Interoperability

For questions, please contact Delaine Arnold, (813) 960-1698, darnold@nena.org.

ANSI Accredited Standards Developers

Approval of Reaccreditation

Association for Information and Image Management (AIIM) – TheGlobal Community of Information Professionals

The reaccreditation of the Association for Information and Image Management (AIIM) – The Global Community of Information Professionals, an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under the recently revised policies and operating procedures for documenting consensus on AIIM-sponsored American National Standards, effective April 1, 2016. For additional information, please contact: Ms. Betsy Fanning, CIP, Director, Standards, AIIM – The Global Community of Information Professionals, 1100 Wayne Avenue, Suite 1100, Silver Spring, MD 20910; phone: 301.755.2682; e-mail: bfanning@aiim.org.

Conveyor Equipment Manufacturers Association (CEMA)

The reaccreditation of the Conveyor Equipment Manufacturers Association (CEMA), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under the recently revised operating procedures for documenting consensus on SPRI-sponsored American National Standards, effective April 5, 2016. For additional information, please contact: Mr. Philip Hannigan, Executive Secretary, Conveyor Equipment Manufacturers Association, 5672 Strand Court, Suite 2, Naples, FL 34110; phone: 239.514.3441; e-mail: phil@cemanet.org.

Health Industry Business Communications Council (HIBCC)

The reaccreditation of the Health Industry Business Communications Council (HIBCC), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under the recently revised operating procedures for documenting consensus on HIBCC-sponsored American National Standards, effective April 6, 2016. For additional information, please contact: Ms. Allison Mehr, Communications Director, Health Industry Business Communications Council, 2525 E. Arizona Biltmore Circle, Suite 127, Phoenix, AZ 85016; phone: 602.381.1091, ext. 101; e-mail: allisonmehr@hibcc.org.

Single Ply Roofing Institute (SPRI)

The reaccreditation of the Single Ply Roofing Institute (SPRI), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under the recently revised operating procedures for documenting consensus on SPRI-sponsored American National Standards, effective April 4, 2016. For additional information, please contact: Ms. Linda King, Managing Director, Single Ply Roofing Institute, 411 Waverley Oaks Road, Suite 331B, Waltham, MA 02452; phone: 781.647.7026; e-mail: info@spri.org.

World Millwork Alliance (WMA)

The reaccreditation of the World Millwork Alliance (WMA), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on WMA-sponsored American National Standards, effective April 1, 2016. For additional information, please contact: Ms. Jessica Ferris, Director of Codes & Standards, World Millwork Alliance, 10047 Robert Trent Jones Parkway, New Port Richey, FL 34655; phone: 904.687.9505; e-mail: jferris@worldmillworkalliance.com.

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Withdrawal (Voluntary)

Lucideon CICS Limited / Lucideon CICS Inc.

Comment Deadline: May 9, 2016

In accordance with the following ISO standards:

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

Lucideon CICS Limited / Lucideon CICS Inc.
David Robinson
Queens Road, Penkhull,
Stoke on Trent ST4 7LQ, United Kingdom
Phone: +44 (0)1782 411008
E-mail: david.robinson@lucideon.com

On April 08, 2016, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies accepted a request from Lucideon CICS Limited / Lucideon CICS Inc. to voluntarily withdraw its accreditation for the following:

Scopes:

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

01. General
02. Manufacturing
03. Power Generation
05. Mining and Mineral Production
06. Metals Production
07. Chemical Production
08. Oil and gas extraction, production and refining including petrochemicals
09. Waste

Please send your comments by May 9, 2016 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW,11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065 and ONC 2015 Edition

Drummond Group, LLC

Comment Deadline: May 9, 2016

Ms. Jodi Gonzalez
Quality Manager
Drummond Group, LLC
13359 North Hwy 183, Ste B-406-238
Austin, TX 78750
Phone: 512-599-1817
Fax: 817-294-7950

On March 31, 2016, Drummond Group, LLC was granted Accreditation in accordance with ISO/IEC 17065 for the following certification scheme(s) and scopes:

LISTING OF CERTIFICATION SCHEME(S)

U.S. Department of Health and Human Services

Office of the Secretary

45 CFR Part 170 - HEALTH INFORMATION TECHNOLOGY STANDARDS, IMPLEMENTATION SPECIFICATIONS, AND CERTIFICATION CRITERIA AND CERTIFICATION PROGRAMS FOR HEALTH INFORMATION TECHNOLOGY

as amended by 2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record Definition, and ONC Health IT Certification Program Modifications

for programs within the following

SCOPE OF ACCREDITATION

GRANTED 2016-03-31:

Subpart E: ONC HIT Certification Program and Health IT Module certification according to §170.315 2015 Edition health IT certification criteria

References

Subpart B: Standards and Implementation Specifications for Health Information Technology

Subpart C: Certification Criteria for Health Information Technology

Exempt: The 2015 Edition scope of accreditation does not include F5 and C1, C2, C3, and C4 criteria.

Subpart E: ONC Health IT Certification Program

Please send your comments by May 9, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

Accreditation in accordance with ISO/IEC 17065 and ONC 2015 Edition

ICSA Labs

Comment Deadline: May 9, 2016

Mr. George Japak - Managing Director
ICSA Labs
1000 Bent Creek Blvd, Suite 200
Mechanicsburg, PA 17050
Phone: 717-790-8100
Fax: 717-790-8170
E-mail: gjapak@icsalabs.com
Web: www.icsalabs.com

On April 1, 2016, ICSA Labs was granted Accreditation in accordance with ISO/IEC 17065 for the following certification scheme(s) and scopes:

LISTING OF CERTIFICATION SCHEME(S)

U.S. Department of Health and Human Services

Office of the Secretary

45 CFR Part 170 - HEALTH INFORMATION TECHNOLOGY STANDARDS, IMPLEMENTATION SPECIFICATIONS, AND CERTIFICATION CRITERIA AND CERTIFICATION PROGRAMS FOR HEALTH INFORMATION TECHNOLOGY

as amended by 2015 Edition Health Information Technology (Health IT) Certification Criteria 2015 Edition Base Electronic Health Record Definition, and ONC Health IT Certification Program Modifications

for programs within the following

SCOPE OF ACCREDITATION

GRANTED 2016-04-01:

Subpart E: ONC HIT Certification Program and Health IT Module certification according to §170.315 2015 Edition health IT certification criteria

References

Subpart B: Standards and Implementation Specifications for Health Information Technology

Subpart C: Certification Criteria for Health Information Technology

Exempt: The 2015 Edition scope of accreditation does not include F5 and C1, C2, C3, and C4 criteria.

Subpart E: ONC Health IT Certification Program

Please send your comments by May 9, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

Accreditation in accordance with ISO/IEC 17065 as related to SFI 2015-2019 Standards and Rules

SAI Global Certification Services Pty Ltd

Comment Deadline: May 9. 2016

Ms. Liliana Niculae
Vice-President, Business Excellence Americas
SAI Global Certification Services Pty Ltd
20 Carlson Court, Suite 100
Toronto, Ontario M9W 7K6, Canada
Phone: 416-401-8700
Toll Free: 800-465-3717
Fax: 416-401-8650
E-mail: Liliana.Niculae@qmi-saiglobal.com
Web: www.sai-global.com

On April 4, 2016, SAI Global Certification Services Pty Ltd was granted Accreditation in accordance with ISO/IEC 17065 for the following scheme(s) and scopes:

List of Certification Scheme(s)

SFI 2015-2019 Standards and Rules

Scopes

SFI 2015-2019 Standards and Rules

Section 3 SFI 2015-2019 Fiber Sourcing Standard – Appendix 1: Rules for Use of SFI Certified Sourcing Label

Section 4 SFI 2015-2019 Chain of Custody Standard

Section 5 Rules for Use of SFI On-Product Labels and Off-Product Marks – Parts 1 & 2 and Appendices 1 & 2

Section 9 SFI 2015-2019 Audit Procedures and Auditor Qualifications and Accreditation – Appendix 1: Audits of Multi-site Organizations (Normative)

Please send your comments by May 9, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

Establishment of ISO Subcommittee

ISO/TC 83/SC 6 – Martial Arts

ISO/TC 83, Sports and Other Recreational Facilities and Equipment, has created a new ISO Subcommittee on Martial arts (ISO/TC 83/SC 6). The Secretariat has been assigned to Germany (DIN).

ISO/TC 83/SC 6 operates under the following scope:

Development of standards in the field of martial arts within the scope of ISO/TC 83:

Standardization of terms, dimensions, tolerances, functional, operational and performance requirements and safety requirements, as well as their testing, for sports and recreational facilities and equipment (e.g. ropes courses, playgrounds, inflatables, water slides, camping tents, floating leisure articles, sleeping bags, winter sports equipment, ice hockey equipment and facilities). Excluded are amusement rides and amusement devices covered by International Standards within the scope of ISO/TC 254.

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

U.S. Technical Advisory Groups

Notice of TAG Reaccreditation

U.S. TAG to ISO Technical Committee 171 – Document Management Applications

The reaccreditation of the U.S. TAG to ISO Technical Committee 171, Document management applications has been approved at the direction of the ANSI Executive Standards Council, under its recently revised operating procedures and with the Association of Information and Image Management (AIIM) continuing as TAG Administrator, effective April 4, 2016. For additional information, please contact: Ms. Betsy Fanning, CIP, Director, Standards, AIIM – The Global Community of Information Professionals, 1100 Wayne Avenue, Suite 1100, Silver Spring, MD 20910; phone: 301.755.2682; e-mail: bfanning@aiim.org.

Meeting Notices

AHRI Standard

Development of AHRI Standard 930P, Performance Rating of Heat Exchangers in Series with Dehumidification Cooling Apparatus

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on April 13 from 9 a.m. to 10 a.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.

ANSI-Accredited Standards Committees S1 – Acoustics; S2 – Mechanical Vibration and Shock; S3 – Bioacoustics; S3/SC 1 – Animal Bioacoustics; and S12 – Noise; along with the ANSI-Accredited U.S. Technical Advisory Groups for ISO/TC 43 – Acoustics; ISO/TC 43/SC 1 – Noise; ISO/TC 43/SC 3 – Underwater Acoustics; ISO/TC 108 – Mechanical Vibration, Shock and Condition Monitoring; ISO/TC 108/SC 2 – Measurement and Evaluation of Mechanical Vibration and Shock as Applied to Machines, Vehicles, and Structures; ISO/TC 108/SC 3 – Use and Calibration of Vibration and Shock Measuring Instruments; ISO/TC 108/SC 4 – Human Exposure to Mechanical Vibration and Shock; ISO/TC 108/SC 5 – Condition Monitoring and Diagnostics of Machine Systems; and IEC/TC 29 Electroacoustics

ANSI-Accredited Standards Committees S1, Acoustics; S2, Mechanical Vibration and Shock; S3, Bioacoustics; S3/SC 1, Animal Bioacoustics; and S12, Noise; along with the ANSI-Accredited U.S. Technical Advisory Groups for ISO/TC 43, Acoustics; ISO/TC 43/SC 1, Noise; ISO/TC 43/SC 3, Underwater Acoustics; ISO/TC 108, Mechanical Vibration, Shock and Condition Monitoring; ISO/TC 108/SC 2, Measurement and Evaluation of Mechanical Vibration and Shock as Applied to Machines, Vehicles, and Structures; ISO/TC 108/SC 3, Use and Calibration of Vibration and Shock Measuring Instruments; ISO/TC 108/SC 4, Human Exposure to Mechanical Vibration and Shock; ISO/TC 108/SC 5, Condition Monitoring and Diagnostics of Machine Systems; and IEC/TC 29, Electroacoustics will meet on May 23-24, 2016, in conjunction with the 171st Meeting of the Acoustical Society of America at Salt Lake Marriott Downtown at City Creek Hotel, Salt Lake City, Utah. All meetings are open to the public.

For additional information, including specific meeting times, please contact Susan Blaeser; sblaeser@acousticalsociety.org; (631) 390-0215. Details regarding lodging, transportation, etc. can be found on the Acoustical Society of America's website at http://acousticalsociety.org.

ASC Z133 – Arboricultural Operations – Safety Requirements

The next business meeting of the Accredited Standards Committee Z133 (ANSI Standard for Arboricultural Operations —Safety Requirements) will take place on Wednesday, April 20, 2016, at The Westin Baltimore Washington-BWI in Linthicum, Maryland. For more information, contact Janet Huber at the International Society of Arboriculture, ASC Z133 Secretariat, by phone (+1 217.355.9411, ext. 259) or by e-mailing jhuber@isa-arbor.com.

Z88 ASC Meeting

The American Society of Safety Engineers (ASSE) serves as the secretariat of the ANSI Accredited Z88 Committee (Z88 ASC) for Respiratory Protection. The next meeting of the Z88 ASC will be held during the AIHC&E in Baltimore on Sunday, May 22, from 6:00PM – 7:30PM (EDS). The location of the meeting is in the Chapter Room, on the 4th floor of The Grand, 225 North Charles Street, Baltimore, MD 21201 (http://www.thegrandbaltimore.com/directions.php).

Those who have interest in the committee are encouraged to attend, as long as space is available. If interested, please contact OMunteanu@asse.org.

Z244 ASC Meeting

The American Society of Safety Engineers (ASSE) serves as the secretariat of the ANSI Accredited Z88 Committee (Z88 ASC) for Respiratory Protection. The next meeting of the Z88 ASC will be held during the AIHC&E in Baltimore on Sunday, May 22, from 6:00PM – 7:30PM (EDS). The location of the meeting is in the Chapter Room, on the 4th floor of The Grand, 225 North Charles Street, Baltimore, MD 21201 (http://www.thegrandbaltimore.com/directions.php).

Those who have interest in the committee are encouraged to attend, as long as space is available. If interested, please contact OMunteanu@asse.org.

B11 Standards, Inc.

B11.19 Subcommittee – Performance Criteria for Safeguarding Machines

The B11.19 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its fifth meeting on May 17-18, 2016 at SICK, Inc. in Minneapolis, MN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.19 Subcommittee deals with the overall safeguarding and related equipment requirements common to machines.

The purpose of this meeting is to continue revising the 2010 version of the ANSI B11.19 Type-B standard. This meeting is open to anyone with an interest in machine safety, particularly as it relates to general safeguarding equipment and requirements for machines, and who wishes to participate in standards development.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at (dfelinski@b11standards.org).

B11.20 Subcommittee – Integrated Manufacturing Systems

The B11.20 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its fifth meeting on May 18-19, 2016 at SICK, Inc. in Minneapolis, MN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.20 Subcommittee deals with the overall safety aspects, requirements and unique hazards when different manufacturing systems/machines are integrated together into a functional unit.

The purpose of this meeting is to begin revising the 2004 version of the ANSI B11.20 Type-B standard. This meeting is open to anyone with an interest in machine safety, particularly as it relates to general safeguarding equipment and requirements for machines, and who wishes to participate in standards development.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at (dfelinski@b11standards.org).

The Society of the Plastics Industry, Inc. (SPI)

Injection Molding Safety Committee (ANSI/SPI B151.1-201X)

The Injection Molding Safety Committee, sponsored by the Secretariat (SPI), will hold its next meeting on May 17 through May 19, 2016 at Toshiba in Elk Grove Village, IL. SPI is an ANSI-Accredited Standards developer, and the Injection Molding Safety Committee of their Equipment Council deals with the overall general safety requirements common to injection molding machines.

The purpose of this meeting is to continue revising ANSI/SPI B151.1-201X – Safety Requirements for Injection Molding Machines (as a combined horizontal clamp IMM and vertical clamp IMM standard). This meeting is open to anyone with an interest in plastic injection molding machine safety, particularly as it relates to integration, maintenance and use of these machines, and who wishes to participate in standards development.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at dfelinski@b11standards.org or 832-446-6999.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat
ISO/TC 131/SC 9 – *Installations and systems*
Comment Deadline: April 22, 2016

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 131/SC 9 – *Installations and systems*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 131/SC 9 to the National Fluid Power Association (NFPA). NFPA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 131/SC 9 operates under the following scope:

> *Development of standards in the field of Installations and systems within the scope of ISO/TC 131:*
>
> *Standardization in the field of fluid power systems and components, comprising terminology, construction, principal dimensions, safety requirements and testing and inspection methods.*
>
> *To include such components as : accumulators, compressed air dryers, conductors (rigid and flexible), cylinders, electro-hydraulic and electro-pneumatic components and systems, fittings, fluidic devices, hose fittings and assemblies, filters and separators, fluids, hydraulic pumps, motors, moving-part fluid- controls, pneumatic lubricators, regulators, quick-action couplings, reservoirs, sealing devices, valves.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 131/SC 9. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 131/SC 9 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by April 25, 2016, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 282 (and Subcommittees) – Water Reuse

ANSI has been informed that the American Society of Plumbing Engineers (ASPE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 282 and Subcommittees, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 282 operates under the following scope:

> *Standardisation of water re-use of any kind and for any purpose. It covers both centralised and decentralised or on-site water re-uses, direct and indirect ones as well as intentional and unintentional ones. It includes technical, economic, environmental and societal aspects of water re-use. Water re-use comprises a sequence of the stages and operations involved in uptaking, conveyance, processing, storage, distribution, consumption, drainage and other handling of wastewater, including the water re-use in repeated, cascaded and recycled ways. The scope of ISO/PC 253 (Treated wastewater re-use for irrigation) is merged into the proposed new committee.*
>
> *Excluded:*
> - *the limit of allowable water quality in water re-use, which should be determined by the governments, WHO and other relevant competent organizations.*
> - *all aspects of TC 224 scope (service activities relating to drinking water supply systems and wastewater systems -- Quality criteria of the service and performance indicators)*
> - *methods for the measurement of water quality, which are covered by TC 147.*

ISO/TC 282/SC 1 operates under the following scope:

> *Treated wastewater reuse for Irrigation*

ISO/TC 282/SC 2 operates under the following scope:

> *Standardization in the field of water reuse in urban areas. It addresses wastewater reclamation and reuse in urban areas. It includes guidelines for design and management of water reuse systems taking into consideration safety, reliability and efficiency. It covers both centralized (community-wide) and decentralized (on-site) water reuse systems. The standardization process covers the reclamation, storage and distribution parts of water reuse systems in urban areas.*

ISO/TC 282/SC 3 operates under the following scope:

> *Risk and performance evaluation of water reuse systems*

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

Public Review Draft

Proposed Addendum i to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (April 2016)
(Draft Shows Proposed Changes to Previous Public Review Draft)

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

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

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

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

FOREWORD

This addendum reorganizes the roof heat island mitigation section and adds new provisions for vegetated terrace and roofing systems relative to plant selection, growing medium, roof membrane protection, and clearances. In addition, provisions for the operation and maintenance of vegetated roofs have been added to Section 10.

This Independent Substantive Change clarifies language regarding enforceability and potential conflicts with the International Fire Code.

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

Addendum i to 189.1-2014

Revise Section 5.3.5.3 as follows (IP and SI Units):

5.3.5.3 *Roofs*. This section applies to the building and covered parking *roof* surfaces for *building projects* in *Climate Zones* 1, 2, and 3. A minimum of 75% of the *roof* surface shall be covered with products that

a. have a minimum three-year-aged *SRI* of 64 for a low-sloped *roof* in accordance with Section 5.3.5.4. A low-sloped *roof* has a slope of less than or equal to 2:12.
b. have a minimum three-year-aged *SRI* of 15 for a steep-sloped *roof* in accordance with Section 5.3.5.4. A steep-sloped *roof* has a slope of more than 2:12.

The area occupied by one or more of the following shall be excluded from the calculation to determine the roof surface area required to comply with this section:

1. *Roof* penetrations and associated equipment.
2. *On-site renewable energy systems*, including photovoltaics, solar thermal energy collectors and required access around the panels or collectors.
3. Portions of the *roof* used to capture heat for building energy technologies.
4. *Roof* decks and rooftop walkways.
5. Vegetated terrace and roofing systems complying with Section 5.3.5.5.

Exceptions to 5.3.5.3:

1. *Building projects* where an annual energy analysis simulation demonstrates that the total annual building energy cost and total annual *CO2e*, as calculated in accordance with Sections 7.5.2 and 7.5.3, are both a minimum of 2% less for the proposed *roof* than for a *roof* material complying with the SRI requirements of Section 5.3.5.3~~(a)~~.
2. *Roofs* used to shade or cover parking and *roofs* over *semiheated spaces*, provided that they have a minimum initial *SRI* of 29. A default *SRI* value of 35 for new concrete without added color pigment is allowed to be used instead of measurements.

Revise new Section 5.3.5.5 as follows:

5.3.5.5 Vegetated terrace and roofing systems. Vegetated terrace and roofing systems, where provided in accordance with Section 5.3.5.3, shall comply with the following:

1. All plantings shall be capable of withstanding the micro climate conditions of the vegetated area including, but not limited to, wind, precipitation and temperature. Plants shall be selected and placed to provide foliage coverage of not less than 50 percent of the designed area of vegetation based on the anticipated plant growth within two years of the issuance of the final ~~approval by the AHJ~~ certificate of occupancy. Construction documents shall be submitted that show the planting location and anticipated two-year foliage coverage of the plantings. Duplicate coverage shall not be credited where multiple plants cover the same area. *Invasive plants* shall not be planted.
2. The growing medium shall be designed for the physical conditions and local climate to support the plants selected. The planting design shall include measures to protect the growing medium until the plants are established. The maximum wet weight and water holding capacity of a growing medium shall be determined in accordance with ASTM E 2399.
3. ~~Roof penetrations, changes in elevation, parapet walls and roof edges shall be provided with a clearance to vegetation of not less than 6 feet.~~ Non-vegetated clearances and borders shall be provided in accordance with Section 317 of the International Fire Code.
4. Plantings shall be capable of maintaining the function of the vegetated roof or terrace as required by Section 10.3.2.1.1.
5. Irrigation of the vegetated roofs and terraces shall comply with Section 6.3.2.4.
6. Installation of plantings shall be in accordance with the roof covering manufacturer's installation instructions.

Revise Section 10.3.2.1.1 as follows:

10.3.2.1.1 *Site* Sustainability. A *site* sustainability portion of the plan for operation shall be developed and shall contain the following provisions:

a. When trees and vegetation are used to comply with the shade requirements of Section 5.3.5, the plan for operation shall include the maintenance procedures needed to maintain healthy vegetation growth. The plan shall also outline the procedures for replacing any vegetation used to comply with the provisions in Section 5.
b. For *roof* surface materials selected to comply with the requirements of Section 5.3.5.3, the plan for operation shall include the maintenance procedures for keeping the *roof* surfaces cleaned in accordance with manufacturer's recommendations.

c. For vegetated terrace and roofing systems selected to comply with Section 5.3.5.5, the plan for operation shall include the maintenance procedures needed to maintain healthy vegetation growth and roof membrane system. The plan shall also outline the procedures for replacing any vegetation used to comply with the provisions in Section 5.

Add the following references to Chapter 11, ASTM International:

Reference	Title	Section
ASTM E 2399-11	Standard Test Method for Maximum Media Density for Dead Load Analysis of Vegetative (Green) Roof Systems	5.3.5.5

Public Review Draft

Proposed Addendum n to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

Foreword
The purpose of this addendum is to clarify footnote b to Table 7.5.2A of Standard 189.1-2014. This footnote provides a method to adjust the Percent Reduction for buildings with unregulated energy cost exceeding 35 % of the total energy cost. This addendum clarifies that the adjustment is to be made on the basis of energy cost, not energy use.

The definitions of regulated energy use and unregulated energy use that will be published in ANSI/ASHRAE/IES Standard 90.1-2016 are reproduced here for reference, but they are not open for comment as part of this public review:

> ***regulated energy use****: energy used by building systems and components with requirements prescribed in Sections 5 through 10. This includes energy used for HVAC, lighting, service water heating, motors, transformers, vertical transportation, refrigeration equipment, computer-room cooling equipment, and other building systems, components, and processes with requirements prescribed in Sections 5 through 10.*
>
> ***unregulated energy use****: energy used by building systems and components that is not regulated energy use .*

Since these definitions are maintained by SSPC 90.1, any comments submitted on these definitions will result in the commenter being instructed to submit a Continuous Maintenance Proposal (CMP) to Standard 90.1. For more information on CMPs, please go to https://www.ashrae.org/standards-research--technology/standards-forms--procedures.

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

Addendum n to 189.1-2014

Modify Definitions Section as follow (IP and SI Units)

regulated energy use: see ANSI/ASHRAE/IES Standard 90.1.

unregulated energy use: see ANSI/ASHRAE/IES Standard 90.1.

Modify Footnote b to Table 7.5.2A as follows:

TABLE 7.5.2A Performance Option A: Energy Cost and CO2e Reductions

Building Type	Percent Reduction
Apartments	10%
Restaurants	5%
Lodging	12%
Semi-heated Warehouses[a]	45%
Other[b]	24%

a. Conditioned warehouses shall use the "Other" category.

b. When the cost of modeled ~~energy use~~ *unregulated energy use* ~~that is not regulated energy use~~ exceeds 35% of the total proposed building energy ~~use~~ cost, the percent reduction shall be calculated using the following equation: Percent reduction = 0.55 – 0.99 x percent ~~nonregulated energy~~ *unregulated energy use* cost. The percent reduction shall be no lower than 5%.

Public Review Draft

Proposed Addendum o to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD

This addendum proposes revisions to the existing purpose and scope of the standard to clarify the intended purposes of the standard and its application, and to better reflect the revisions to the standard that are being considered by the committee.

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

Addendum o to 189.1-2014

Modify Title and Sections 1 and 2 as follows (IP and SI Units)

1. PURPOSE

1.1 The purpose of this standard is to provide minimum requirements for the siting, design, construction, and plans for operation of *high-performance green buildings* to

a. ~~balance environmental responsibility, resource efficiency, occupant comfort and well being, and community sensitivity~~; reduce emissions from buildings and building systems, enhance building occupant health and comfort, conserve water resources, protect local biodiversity and ecosystem services, promote sustainable and regenerative materials cycles, enhance building quality,and enhance resilience to natural, technological, and human-caused hazards; and

b. support the goal of development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

1.2 This standard is intended to provide the technical basis of mandatory building codes and regulations for *high-performance green buildings* that are broadly adoptable by national and local jurisdictions.

2. SCOPE

2.1 This standard ~~provides minimum criteria~~ contains requirements that

a. apply to the following ~~elements of~~ *building projects*:
   1. New buildings and their systems.
   2. New portions of buildings and their systems.

3. New systems and equipment in existing buildings.
4. Relocated existing buildings and temporary structures where specified in this standard.

b. address *site* sustainability~~,~~; water use efficiency~~,~~; energy efficiency~~,~~; indoor environmental quality (IEQ)~~,~~; ~~and the building's impact on the atmosphere,~~ materials~~,~~ and resources; and, construction and plans for operation.

2.2 The provisions of this standard do not apply to:

a. single family houses, multifamily structures of three stories or fewer above grade, manufactured houses (mobile) and manufactured houses (modular),

b. ~~buildings~~ *building projects* that use none of the following: electricity, fossil fuel, or water.

2.3 The requirements in t~~T~~his standard shall not be used to circumvent any applicable safety, health, or environmental requirements.

Public Review Draft

Proposed Addendum p to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD

This addendum proposes to add requirements for water bottle filling stations, which are intended to improve water efficiency and sanitation of public drinking water, and to reduce the environmental effects of plastic bottles.

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

Addendum p to 189.1-2014

Revise the Standards as follows (IP and SI Units)

Add the following to Section 3:

water bottle filling station: A plumbing fixture or fixture fitting that is controlled by the user for the sole intended purpose of dispensing potable water into a personal drinking water bottle. Such fixtures and fittings are connected to the potable water distribution system of the premises and can be stand-alone fixtures or integral with another fixture.

Add the following to J to Section 6.3.2.1 Plumbing Fixtures and Fittings.

j. Water bottle filling stations shall be an integral part of, or shall be installed adjacent to, not less than 50 percent of all drinking fountains installed indoors on the premises.

Public Review Draft

Proposed Addendum r to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD
Since the 1989 edition ASHRAE 90.1 has required testing of 25% of ductwork that is designed for above 3" pressure class. In the intervening years limits on fan power in 90.1 have led to much lower pressure duct system designs. This has resulted in testing a much lower percentage of new duct systems. This proposal lowers the threshold to include 3" pressure class ducts, which are common upstream of VAV boxes.

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

Addendum r to 189.1-2014

Add the following new section (IP and SI units):

7.4.3.3 Duct Leakage Tests. Leakage tests shall comply with the requirements in Section 6.4.4.2.2 of ANSI/ ASHRAE/IES 90.1, with the following modification. Ductwork that is designed to operate at static pressures in excess of 2 in. wc (500 Pa) and all ductwork located outdoors shall be leak-tested according to industry-accepted test procedures.

Note: 7.4.3.3 Economizers and the remainder of section 7.4.3 will need to be renumbered.

Public Review Draft

Proposed Addendum s to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD

This addendum removes the performance option for water use and moves the prescriptive option into the mandatory section.

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

Addendum s to 189.1-2014

Add the following new section (IP and SI units):

6. WATER USE EFFICIENCY

6.1 Scope. This section specifies requirements for *potable water* and *nonpotable water* use efficiency, both for the *site* and for the building, and water monitoring.

6.2 Compliance. ~~The water systems shall comply with Section 6.3, "Mandatory Provisions," and either~~ All provisions of Section 6 are mandatory provisions.

~~a. Section 6.4, "Prescriptive Option," or~~

~~b. Section 6.5, "Performance Option."~~

~~*Site* water use and building water use are not required to use the same option, i.e., prescriptive or performance, for demonstrating compliance.~~

6.3 Mandatory Provisions

6.3.1 Site Water Use Reduction

6.3.1.1 Landscape Design. A minimum of 60% of the area of the *improved landscape* shall be in *bio-*

diverse planting of *native plants* and *adapted plants* other than *turfgrass*.

Exception: The area of dedicated athletic fields, golf courses, and driving ranges shall be excluded from the calculation of the *improved landscape* for schools, *residential* common areas, or public recreational facilities.

6.3.1.2 Irrigation. For golf courses and driving ranges, only municipally reclaimed water and/or *alternate on-site sources of water* shall be used to irrigate the landscape. For other landscaped areas, a maximum of one-third of *improved landscape* area is allowed to be irrigated with *potable water*. The area of dedicated athletic fields shall be excluded from the calculation of the *improved landscape* for schools, *residential* common areas, or public recreational facilities. All other irrigation shall be provided from *alternate on-site sources of water* or municipally reclaimed water.

Exception: *Potable water* is allowed to be temporarily used on such newly installed landscape for the *landscape establishment period*. The amount of *potable water* that may be applied to the newly planted areas during the temporary *landscape establishment period* shall not exceed 70% of ET_o for *turfgrass* and 55% of ET_o for other plantings. If municipally-reclaimed water is available at a water main within 200 ft (60 m) of the project *site*, it shall be used in lieu of *potable water* during the *landscape establishment period*. After the *landscape establishment period* has expired, all irrigation water use shall comply with the requirements established elsewhere in this standard.

6.3.1.2.1 Irrigation System Design. *Hydrozoning* of automatic irrigation systems to water different plant materials such as *turfgrass* versus shrubs is required. Landscaping sprinklers shall not be permitted to spray water directly on a building and within 3 ft (1 m) of a building.

6.3.1.~~3.~~2.2 Controls. Any irrigation system for the project *site* shall be controlled by a qualifying *smart controller* that uses *ET* and weather data to adjust irrigation schedules and that complies with the minimum requirements or an on-site rain or moisture sensor that automatically shuts the system off after a predetermined amount of rainfall or sensed moisture in the soil. Qualifying *smart controller*s shall meet the minimum requirements as listed below when tested in accordance with IA *SWAT* Climatological Based Controllers 8th Draft Testing Protocol. *Smart controllers* that use *ET* shall use the following inputs for calculating appropriate irrigation amounts:

a. Irrigation adequacy—80% minimum ET_c.
b. Irrigation excess—not to exceed 10%.

Exception: A temporary irrigation system used exclusively for the establishment of new landscape shall be exempt from this requirement. Temporary irrigation systems shall be removed or permanently disabled at such time as the *landscape establishment period* has expired.

6.3.2 Building Water Use Reduction

6.3.2.1 Plumbing Fixtures and Fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following requirements:

c. Water closets (toilets)—flushometer valve type: For single flush, maximum flush volume shall be determined in accordance with ASME A112.19.2/CSA B45.1 and shall be 1.28 gal (4.8 L). For dual-flush, the effective flush volume shall be determined in accordance with ASME A112.19.14 and shall be 1.28 gal (4.8 L).
d. Water closets (toilets)—tank-type: Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Tank-Type High-Efficiency Toilet Specification and shall have a maximum flush volume of 1.28 gal (4.8 L).
e. Urinals: Maximum flush volume when determined in accordance with ASME A112.19.2/CSA B45.1—0.5 gal (1.9 L). Non-water urinals shall comply with ASME A112.19.19 (vitreous china) or IAPMO Z124.9 (plastic) as appropriate.
f. Public lavatory faucets: Maximum flow rate—0.5 gpm (1.9 L/min) when tested in accordance with ASME A112.18.1/CSA B125.1.
g. Public metering self-closing faucet: Maximum water use—0.25 gal (1.0 L) per metering cycle when tested in accordance with ASME A112.18.1/CSA B125.1.

h. *Residential* bathroom lavatory sink faucets: Maximum flow rate—1.5 gpm (5.7 L/min) when tested in accordance with ASME A112.18.1/CSA B125.1. *Residential* bathroom lavatory sink faucets shall comply with the performance criteria of the USEPA WaterSense High-Efficiency Lavatory Faucet Specification.

i. *Residential* kitchen faucets: Maximum flow rate—2.2 gpm (8.3 L/min) when tested in accordance with ASME A112.18.1/CSA B125.1.

j. *Residential* showerheads: Maximum flow rate—2.0 gpm (7.6 L/min) when tested in accordance with ASME A112.18.1/CSA B125.1.

k. *Residential* shower compartment (stall) in *dwelling units* and guest rooms: The allowable flow rate from all shower outlets (including rain systems, waterfalls, bodysprays, and jets) that can operate simultaneously shall be limited to a total of 2.0 gpm (7.6 L/min).

Exception: Where the area of a shower compartment exceeds 2600 in.^{2} (1.7 m^2), an additional flow of 2.0 gpm (7.6 L/min) shall be permitted for each multiple of 2600 in.^{2} (1.7 m^2) of floor area or fraction thereof.

6.3.2.2 Appliances

a. Clothes washers and dishwashers installed within *dwelling units* shall comply with the ENERGY STAR Program Requirements for Clothes Washers and ENERGY STAR Program Requirements for Dishwashers. Maximum water use shall be as follows:

1. Clothes Washers—maximum *Water Factor* of 6.0 gal/ft$^{3^3}$ of drum capacity (800 L/m^{3}of drum capacity).
2. Dishwashers—maximum *Water Factor* of 5.8 gal/ full operating cycle (22 L/full operating cycle).

(See also the energy efficiency requirements in Section 7.4.7.3.)

b. Clothes washers installed in publicly accessible spaces (e.g., multifamily and hotel common areas) and coin-and card-operated clothes washers of any size used in laundromats shall have a maximum *Water Factor* of 7.5 gal/ft^3 of drum capacity-normal cycle (1.0 kL/m^{3}of drum capacity-normal cycle). (See also the energy efficiency requirements in Sections 7.4.7.3 and 7.4.7.4.)

TABLE 6.3.2.1 Plumbing Fixtures and Fittings Requirements

Plumbing Fixture	Maximum
Water closets (toilets)—flushometer valve type	Single flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—flushometer valve type	Effective dual flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—tank-type	Single flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—tank-type	Effective dual flush volume of 1.28 gal (4.8 L)
Urinals	Flush volume 0.5 gal (1.9 L)
Public lavatory faucets	Flow rate—0.5 gpm (1.9 L/min)
Public metering self-closing faucet	0.25 gal (1.0 L) per metering cycle
Residential bathroom lavatory sink faucets	Flow rate—1.5 gpm (5.7 L/min)
Residential kitchen faucets	Flow rate— 2.2 gpm (8.3 L/min)
Residential showerheads	Flow rate—2.0 gpm (7.6 L/min)
Residential shower compartment (stall) in *dwelling units* and guest rooms	Flow rate from all shower outlets total of 2.0 gpm (7.6 L/min)

6.3.2.3 HVAC Systems and Equipment

a. Once-through cooling with potable water is prohibited.

b. The water being discharged from cooling towers for air conditioning systems such as chilled-water systems shall be limited in accordance with method (1) or (2):

1. For makeup waters having less than 200 ppm (200 mg/L) of total hardness expressed as calcium carbonate, by achieving a minimum of five *cycles of concentration*.

2. For makeup waters with more than 200 ppm (200 mg/L) of total hardness expressed as calcium carbonate, by achieving a minimum of 3.5 *cycles of concentration*.

Exception: Where the total dissolved solids concentration of the discharge water exceeds 1500 mg (1500 ppm/L), or the silica exceeds 150 ppm (150 mg/L) measured as silicon dioxide before the above cycles of concentration are reached.

~~b~~c. Cooling towers and evaporative coolers shall be equipped with makeup and blowdown meters, conductivity controllers, and overflow alarms in accordance with the thresholds listed in Table 6.3.3B. Cooling towers shall be equipped with efficient drift eliminators that achieve drift reduction to a maximum of 0.002% of the recirculated water volume for counterflow towers and 0.005% of the recirculated water flow for cross-flow towers.

~~c~~d. Building projects located in regions where the ambient mean coincident wet-bulb temperature at 1% design cooling conditions is greater than or equal to 72°F (22°C) shall have a system for collecting condensate from air-conditioning units with a capacity greater than 65,000 Btu/h (19 kW), and the condensate shall be recovered for re-use.

6.3.2.4 Roofs

a. The use of *potable water* for *roof* spray systems to thermally condition the *roof* is prohibited.
b. The use of *potable water* for irrigation of vegetated (green) *roofs* is prohibited once plant material has been established. After the *landscape establishment period* is completed, the *potable water* irrigation system shall be removed or permanently disconnected.

6.3.2.5 Commercial Food Service Operations. Commercial food service operations (e.g., restaurants, cafeterias, food preparation kitchens, caterers, etc.):

a. shall use high-efficiency pre-rinse spray valves (i.e., valves which function at 1.3 gpm (4.9 L/min) or less and comply with a 26-second performance requirement when tested in accordance with ASTM F2324),
b. shall use dishwashers that comply with the requirements of the ENERGY STAR Program for Commercial Dishwashers,
c. shall use boilerless/connectionless food steamers that consume no more than 2.0 gal/hour (7.5 L/hour) in the full operational mode,
d. shall use combination ovens that consume not more than 10 gal/hour (38 L/hour) in the full operational mode,
e. shall use air-cooled ice machines that comply with the requirements of the ENERGY STAR Program for Commercial Ice Machines, and
f. shall be equipped with hands-free faucet controllers (foot controllers, sensor-activated, or other) for all faucet fittings within the food preparation area of the kitchen and the dish room, including pot sinks and washing sinks.

6.3.2.6 Medical and Laboratory Facilities. Medical and laboratory facilities, including clinics, hospitals, medical centers, physician and dental offices, and medical and nonmedical laboratories of all types shall:

a. use only water-efficient steam sterilizers equipped with (1) water-tempering devices that allow water to flow only when the discharge of condensate or hot water from the sterilizer exceeds 140°F (60°C) and (2) mechanical vacuum equipment in place of venturi-type vacuum systems for vacuum sterilizers.
b. use film processor water recycling units where large frame x-ray films of more than 6 in. (150 mm) in either length or width are processed. Small dental x-ray equipment is exempt from this requirement.
c. use digital imaging and radiography systems where the digital networks are installed.
d. use a dry-hood scrubber system or, if the applicant determines that a wet-hood scrubber system is

required, the scrubber shall be equipped with a water recirculation system. For perchlorate hoods and other applications where a hood wash-down system is required, the hood shall be equipped with self-closing valves on those wash-down systems.

e. use only dry vacuum pumps, unless fire and safety codes for explosive, corrosive or oxidative gasses require a liquid ring pump.

f. use only efficient water treatment systems that comply with the following criteria:
   3. For all filtration processes, pressure gauges shall determine and display when to backwash or change cartridges.
   4. For all ion exchange and softening processes, recharge cycles shall be set by volume of water treated or based upon conductivity or hardness.
   5. For reverse osmosis and nanofiltration equipment, with capacity greater than 27 gal/h (100 L/h), reject water shall not exceed 60% of the feed water and shall be used as scrubber feed water or for other beneficial uses on the project *site*.
   6. Simple distillation is not acceptable as a means of water purification.

g. Food service operations within medical facilities shall comply with Section 6.4.2.2.

6.3.3 Special Water Features. Water use shall comply with the following:

a. Ornamental fountains and other ornamental water features shall be supplied either by *alternate on-site sources of water* or by municipally reclaimed water delivered by the local water utility acceptable to the *AHJ*. Fountains and other features shall be equipped with: (1) makeup water meters (2) leak detection devices that shut off water flow if a leak of more than 1.0 gal/h (3.8 L/h) is detected, and (3) equipment to recirculate, filter, and treat all water for reuse within the system.

   Exception: Where *alternate on-site sources of water* or municipally reclaimed water are not available within 500 ft (150 m) of the *building project site*, *potable water* is allowed to be used for water features with less than 10,000 gallon (38,000 L) capacity.

b. Pools and spas:
   1. Backwash water: Recover filter backwash water for reuse on landscaping or other applications, or treat and reuse backwash water within the system.
   2. Filtration: For filters with removable cartridges, only reusable cartridges and systems shall be used. For filters with backwash capability, use only pool filter equipment that includes a pressure drop gauge to determine when the filter needs to be backwashed and a sight glass enabling the operator to determine when to stop the backwash cycle.
   3. Pool splash troughs, if provided, shall drain back into the pool system.

6.3.~~3~~4 Water Consumption Measurement

6.3.~~3~~4.1 Consumption Management. Measurement devices with remote communication capability shall be provided to collect water consumption data for the domestic water supply to the building. Both potable and reclaimed water entering the *building project* shall be monitored or sub-metered. In addition, for individual leased, rented, or other tenant or sub-tenant space within any building totaling in excess of 50,000 ft^2 (5000 m^2), separate submeters shall be provided. For subsystems with multiple similar units, such as multi-cell cooling towers, only one measurement device is required for the subsystem. Any project or building, or tenant or sub-tenant space within a project or building, such as a commercial car wash or aquarium, shall be submetered where consumption is projected to exceed 1000 gal/day (3800 L/ day).

Measurement devices with remote capability shall be provided to collect water use data for each water supply source (e.g., *potable water*, reclaimed water, rainwater) to the *building project* that exceeds the thresholds listed in Table 6.3.~~3~~4A. Utility company service entrance/interval meters are allowed to be used.

Provide sub-metering with remote communication measurement to collect water use data for each of the building subsystems, if such subsystems are sized above the threshold levels listed in Table 6.3.~~3~~4B.

TABLE 6.3.~~3~~4.A Water Supply Source Measurement

Water Source	Main Measurement Threshold
Potable water	1000 gal/day (3800 L/day)

Municipally reclaimed water	1000 gal/day (3800 L/day)
Alternate sources of water	500 gal/day (1900 L/day)

6.3.~~3~~4.2 Consumption Data Collection. All building measurement devices, monitoring systems, and sub-meters installed to comply with the thresholds limits in Section 6.3.~~3~~4.1 shall be configured to communicate water consumption data to a meter data management system. At a minimum, meters shall provide daily data and shall record hourly consumption of water.

TABLE 6.3.~~3~~4B Subsystem Water Measurement Thresholds

Subsystem	Sub-Metering Threshold
Cooling towers (meter on makeup water and blowdown)	Cooling tower flow through tower >500 gpm (30 L/s)
Evaporative coolers Makeup water >0.6 gpm (0.04 L/s)	Steam and hot-water boilers >500,000 Btu/h (50 kW) input
Total Irrigated landscape area with controllers	>25,000 ft^2 (2500 m^2)
Separate campus or project buildings	Consumption >1000 gal/day (3800 L/day)
Separately leased or rental space	Consumption >1000 gal/day (3800 L/day)
Any large water using process	Consumption >1000 gal/day (3800 L/day)

6.3.~~3~~4.3 Data Storage and Retrieval. The meter data management system shall be capable of electronically storing water meter, monitoring systems, and submeter data and creating user reports showing calculated hourly, daily, monthly, and annual water consumption for each measurement device and submeter and provide alarming notification capabilities as needed to support the requirements of the Water User Efficiency Plan for Operation in Section 10.3.2.1.2.

~~**6.4 Prescriptive Option**~~

~~**6.4.1 Site Water Use Reduction.** For golf courses and driving ranges, only municipally reclaimed water and/or *alternate on-site sources of water* shall be used to irrigate the landscape. For other landscaped areas, a maximum of one third of *improved landscape* area is allowed to be irrigated with *potable water*. The area of dedicated athletic fields shall be excluded from the calculation of the *improved landscape* for schools, *residential* common areas, or public recreational facilities. All other irrigation shall be provided from *alternate on-site sources of water* or municipally reclaimed water.~~

~~**Exception:** *Potable water* is allowed to be temporarily used on such newly installed landscape for the *landscape establishment period*. The amount of *potable water* that may be applied to the newly planted areas during the temporary *landscape establishment period* shall not exceed 70% of ET_o for *turfgrass* and 55% of ET_o for other plantings. If municipally reclaimed water is available at a water main within 200 ft (60 m) of the project *site*, it shall be used in lieu of *potable water* during the *landscape establishment period*. After the *landscape establishment period* has expired, all irrigation water use shall comply with the requirements established elsewhere in this standard.~~

~~**6.4.2 Building Water Use Reduction**~~

~~**6.4.2.1 Cooling Towers.** The water being discharged from cooling towers for air conditioning systems such as chilled water systems shall be limited in accordance with method (a) or (b):~~

~~a. For makeup waters having less than 200 ppm (200 mg/L) of total hardness expressed as calcium carbonate, by achieving a minimum of five *cycles of concentration*.~~
~~b. For makeup waters with more than 200 ppm (200 mg/L) of total hardness expressed as calcium carbonate, by achieving a minimum of 3.5 *cycles of concentration*.~~

~~**Exception:** Where the total dissolved solids concentration of the discharge water exceeds 1500 mg (1500 ppm/L), or the silica exceeds 150 ppm (150 mg/L) measured as silicon dioxide before the above cycles~~

~~of concentration are reached.~~

~~6.4.2.2 Commercial Food Service Operations.~~ ~~Commercial food service operations (e.g., restaurants, cafeterias, food preparation kitchens, caterers, etc.):~~

a. ~~shall use high efficiency pre-rinse spray valves (i.e., valves which function at 1.3 gpm (4.9 L/min) or less and comply with a 26-second performance requirement when tested in accordance with ASTM F2324),~~
b. ~~shall use dishwashers that comply with the requirements of the ENERGY STAR Program for Commercial Dishwashers,~~
c. ~~shall use boilerless/connectionless food steamers that consume no more than 2.0 gal/hour (7.5 L/hour) in the full operational mode,~~
d. ~~shall use combination ovens that consume not more than 10 gal/hour (38 L/hour) in the full operational mode,~~
e. ~~shall use air-cooled ice machines that comply with the requirements of the ENERGY STAR Program for Commercial Ice Machines, and~~
f. ~~shall be equipped with hands-free faucet controllers (foot controllers, sensor activated, or other) for all faucet fittings within the food preparation area of the kitchen and the dish room, including pot sinks and washing sinks.~~

~~6.4.2.3 Medical and Laboratory Facilities.~~ ~~Medical and laboratory facilities, including clinics, hospitals, medical centers, physician and dental offices, and medical and nonmedical laboratories of all types shall:~~

a. ~~use only water efficient steam sterilizers equipped with (1) water tempering devices that allow water to flow only when the discharge of condensate or hot water from the sterilizer exceeds 140°F (60°C) and (2) mechanical vacuum equipment in place of venturi-type vacuum systems for vacuum sterilizers.~~
b. ~~use film processor water recycling units where large frame x-ray films of more than 6 in. (150 mm) in either length or width are processed. Small dental x-ray equipment is exempt from this requirement.~~
c. ~~use digital imaging and radiography systems where the digital networks are installed.~~
d. ~~use a dry hood scrubber system or, if the applicant determines that a wet hood scrubber system is required, the scrubber shall be equipped with a water recirculation system. For perchlorate hoods and other applications where a hood wash-down system is required, the hood shall be equipped with self-closing valves on those wash-down systems.~~
e. ~~use only dry vacuum pumps, unless fire and safety codes for explosive, corrosive or oxidative gasses require a liquid ring pump.~~
f. ~~use only efficient water treatment systems that comply with the following criteria:~~
    1. ~~For all filtration processes, pressure gauges shall determine and display when to backwash or change cartridges.~~
    2. ~~For all ion exchange and softening processes, recharge cycles shall be set by volume of water treated or based upon conductivity or hardness.~~
    3. ~~For reverse osmosis and nanofiltration equipment, with capacity greater than 27 gal/h (100 L/h), reject water shall not exceed 60% of the feed water and shall be used as scrubber feed water or for other beneficial uses on the project *site*.~~
    4. ~~Simple distillation is not acceptable as a means of water purification.~~
g. ~~Food service operations within medical facilities shall comply with Section 6.4.2.2.~~

~~6.4.3 Special Water Features. Water use shall comply with the following:~~

a. ~~Ornamental fountains and other ornamental water features shall be supplied either by *alternate on-site sources of water* or by municipally reclaimed water delivered by the local water utility acceptable to the *AHJ*. Fountains and other features shall be equipped with: (1) makeup water meters (2) leak detection devices that shut off water flow if a leak of more than 1.0 gal/h (3.8 L/h) is detected, and (3) equipment to recirculate, filter, and treat all water for reuse within the system.~~

    ~~Exception:~~ ~~Where *alternate on-site sources of water* or municipally reclaimed water are not available within 500 ft (150 m) of the *building project site*, *potable water* is allowed to be used for water features with less than 10,000 gallon (38,000 L) capacity.~~

b. ~~Pools and spas:~~

~~1. Backwash water: Recover filter backwash water for reuse on landscaping or other applications, or treat and reuse backwash water within the system.~~

~~2. Filtration: For filters with removable cartridges, only reusable cartridges and systems shall be used. For filters with backwash capability, use only pool filter equipment that includes a pressure drop gauge to determine when the filter needs to be backwashed and a sight glass enabling the operator to determine when to stop the backwash cycle.~~

3. ~~Pool splash troughs, if provided, shall drain back into the pool system.~~

~~6.5 Performance Option.~~ ~~Calculations shall be made in accordance with *generally accepted engineering standards* and handbooks acceptable to the *AHJ*.~~

~~6.5.1 *Site* Water Use Reduction.~~ ~~*Potable water* (and municipally *reclaimed water*, where used) intended to irrigate *improved landscape* shall be limited to 35% of the water demand for that landscape. The water demand shall be based upon *ET* for that climatic area and shall not exceed 70% of ET_o for *turfgrass* areas and 55% of ET_o for all other plant material after adjustment for rainfall.~~

~~6.5.2 Building Water Use Reduction.~~ ~~The *building project* shall be designed to have a total annual interior water use less than or equal to that achieved by compliance with Sections 6.3.2, 6.4.2, and 6.4.3.~~

Public Review Draft

Proposed Addendum t to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD
This addendum adds new requirements for reverse osmosis and onsite reclaim water systems in order reduce the likelihood of excessive water use due to poor design of water treatment and filter systems. In addition requirements are proposed to prevent the production of reject water, as it is often of suitable quality for many other on-site uses.

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

Addendum t to 189.1-2014

Revise the Standard as follows (IP and SI Units)

6.3.4 Reverse osmosis water treatment systems. Reverse osmosis systems shall be equipped with an automatic shutoff valve that prevents the production of reject water when there is no demand for treated water. Point-of-use reverse osmosis treatment systems for drinking water shall be listed and labeled in accordance with NSF 58.

6.3.5 Onsite reclaimed water treatment systems. Onsite reclaimed water treatment systems, including gray water reuse treatment systems and waste water treatment systems, used to produce nonpotable water for use in water closet and urinal flushing, surface irrigation and similar applications shall be listed and labeled in accordance with NSF 350.

Public Review Draft

Proposed Addendum u to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (April 2016)
(Draft Shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD
This addendum adds new requirements for water softeners to reduce water consumption given the impact of their design and efficiency on water discharge water rates.

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

Addendum u to 189.1-2014

Revise the Standard as follows (IP and SI Units)

6.3.4 Water softeners. Water softeners shall comply with Sections 6.3.4.1 through 6.3.4.4

6.3.4.1 Demand-initiated regeneration. Water softeners shall be equipped with demand-initiated regeneration control systems. Timer based control systems shall be prohibited. .

6.3.4.2 Water consumption. Water softeners shall have a maximum water consumption during regeneration of 4 gallons (15.1 L) per 1000 grains (17.1 g/L) of hardness removed as measured in accordance with NSF 44.

6.3.4.3 Waste connections. Waste water from water softener regeneration shall not discharge to reclaimed water collection systems and shall discharge in accordance with the *International Plumbing Code*.

6.3.4.4 Efficiency and listing. Water softeners that regenerate in place, that are connected to the water system they serve by piping not exceeding 11/4 inches (31.8 mm) in diameter, or that have a volume of 3 cubic feet (0.085 m3) or more of cation exchange media shall have a rated salt efficiency of not less than 4,000 grains of total hardness exchange per pound of salt (571 g of total hardness exchange per kg of salt), based on sodium chloride equivalency and shall be listed and labeled in accordance with NSF 44. All other water

softeners shall have a rated salt efficiency of not less than 3,500 grains of total hardness exchange per pound of salt (500 g of total hardness exchange per kg of salt), based on sodium chloride equivalency.

BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

1. Additional exemption added to address Horsepower Overload Testing for specific configurations.

PROPOSAL

Responses to comments have been posted within the 498 Proposal Review Work Area dated (2016-01-15). No changes have been made to the previously proposed revision. Note that the purpose of a recirculation of comments only is intended solely to provide STP members the opportunity to review the comments and responses, and to either reconsider their vote or cast a first-time vote. New comments on the previously proposed revision for this Topic will not be provided with a specific response. Any additionally desired changes should be submitted as a new proposal request via CSDS.

2. Supplement SG, Use of Nonmetallic Sheathed Cable Interconnects

PROPOSAL

SG4.3 All power conductor splices and connections of conductors shall be contained within an outlet box or enclosure and shall be accessible after installation. Cable interconnects per Outline for Nonmetallic Sheathed Cable Interconnects UL 2256, are not permitted outside the outlet box or enclosure.

SG11.5 All splices shall be enclosed within an outlet box or enclosure and be accessible. Cable interconnects per Outline for Nonmetallic Sheathed Cable Interconnects UL 2256, are not permitted outside the outlet box or enclosure.

BSR/UL 857, Standard for Safety for Busways

1. Revision of the Current Rating for Continuous Plug-in Busways in Paragraph 2.3.4.3.1

PROPOSAL

2.3.4.3.1 ~~In Canada and Mexico, a~~ A continuous plug-in busway is rated at ~~400~~ 225 A or less, has no exposed bus bars, and is intended for general use, including installation within the reach of persons. ~~In the United States, a continuous plug-in busway is rated at 225 A or less.~~