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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: August 27, 2017

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

Addenda

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

This addendum fixes the brake horsepower calculation for systems 12 and 13 consistent with that of other single-zone constant volume systems in Appendix G.

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

This proposed change adds a modeling requirement in Appendix G such that the baseline includes infiltration at 0.8 cfm/ft² greater than that assumed for a building compliant with the 2013 Standard.

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

This addendum deletes (or modifies the terminology of) obsolete definitions that are no longer in use or necessary in ASHRAE 90.1.

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

This addendum removes footnote "a" to Table 6.8.1-14 and clarifies that single-package indoor-pool dehumidifiers are subject to rating conditions A and C only.

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

This addendum specifies the air economizer control type for Appendix G.

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

This addendum adds a 5% renewable energy credit to Appendix G to make it consistent with Section 11.

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

This proposed addendum expands the exterior LPD application table to cover additional exterior spaces that are not currently in the exterior LPD table. The expansion references appropriate space types found in the interior LPD table with appropriate modifications of the value that recognizes the lower need for lighting power and illumination in exterior applications.

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

This proposed addendum applies existing parking lot and other exterior lighting requirements (where applicable) to exterior lighting that is associated with and tied to a building as it is powered from electrical service on the building site.

[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>

ASPE (American Society of Plumbing Engineers)**Revision**

BSR/WQA/ASPE S-803-201x, Sustainable Drinking Water Treatment Systems (revision of ANSI/WQA/ASPE S-803-2015)

This voluntary product performance standard to be used for third party certification applies to products that treat or otherwise produce water for human consumption (e.g., drinking and/or food/beverage preparation) or recreation, but excludes products that treat wastewater. It includes performance criteria for systems using activated carbon, UV, ion exchange resins, and dispensers/fountains.

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

Send comments (with copy to psa@ansi.org) to: Gretchen Pienta, (847) 296-0002, gpienta@aspe.org

NSF (NSF International)**Revision**

BSR/NSF 305-201x (i30r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2016)

This Standard specifies materials, processes, production criteria, and conditions that shall be met in order for personal care products to make organic label and marketing claims under this Standard. This Standard intends to address products with a minimum organic content of 70% (O70).

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

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

UL (Underwriters Laboratories, Inc.)**New National Adoption**

BSR/UL 60079-28-201X, Standard for Safety for Explosive Atmospheres - Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation (Proposal dated 07-28-17) (national adoption of IEC 60079-28 with modifications and revision of ANSI/UL 60079-28-201X)

This proposal provides revisions to the proposal document dated December 23, 2016 for the Adoption of IEC 60079-28, Explosive Atmospheres - Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation (second edition, issued by IEC May 2015) as a new IEC-based UL standard, UL 60079-28 to the applicable requirements per comments received.

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

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

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

BSR/UL 2900-2-1-201x, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (new standard)

The following topics for the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems are being recirculates: (1) Proposed first edition of Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems, UL 2900-2-1.

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

Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

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

BSR/UL 252-201x, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2015)

The following is being proposed: (1) Addition of types of connections on the regulators.

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

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

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

BSR/UL 448-201x, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2016)

(1) Series 400 stainless steel for interior bolts or screws; (2) Revisions to clarify requirements and update testing details; (3) Maximum horsepower required to drive the pump.

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

Send comments (with copy to psa@ansi.org) to: Griff Edwards, 919 549-0956, griff.edwards@ul.com

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

BSR/UL 858-201x, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2017)

(1) Nichrome Wire Test and polymeric materials revisions; (2) New Test for Oven Rack Loading; (3) Thermal aging; (4) Smart enabled ranges.

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

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

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

BSR/UL 1254-201X, Standard for Pre-Engineered Dry Chemical Extinguishing System Units (revision of ANSI/UL 1254-2016)

UL proposes that the current specifications for heptane need to be revised so that they are more aligned with actual industry specifications for standard and low aromatic versions of commercial-grade heptane.

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

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

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

BSR/UL 2775-201X, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2016)

UL proposes an update on commercial-grade heptane specifications and revisions to the integral electrical fitting connections.

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

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

Comment Deadline: September 11, 2017

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI NS4-2013 (R201x), Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013)

Establishes labeling, safety, and performance requirements and referee tests for transcutaneous electrical stimulators (including TENS) intended for use in the treatment of pain syndrome. Also covered are labeling requirements for patient leads and electrodes.

Single copy price: \$67.00 (AAMI members)/\$119.00 (list)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=NS4-PDF>

Order from: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

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

APA (APA - The Engineered Wood Association)

Revision

BSR/APA PRG 320-201x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2012)

This standard covers manufacturing, qualification, quality assurance, design, and installation requirements for performance-rated cross-laminated timber products.

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

Order from: Borjen Yeh, (253) 620-7467, borjen.yeh@apawood.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR/ASA S12.9-2007/Part 5 (R201x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Use (reaffirmation of ANSI/ASA S12.9-2007/Part 5 (R2012))

Provides guidance on the compatibility of various human uses of land with the acoustical environment, using the yearly average total day-night adjusted sound exposure or the yearly average adjusted day-night average sound level to characterize the acoustical environment. An informative annex provides guidance to local authorities for designation of land uses compatible with existing or predicted yearly average total day-night adjusted sound exposure or yearly average adjusted day-night average sound level.

Single copy price: \$90.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR/ASA S12.12-1992 (R201x), Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity (reaffirmation of ANSI/ASA S12.12-1992 (R2012))

Describes a method for in situ determination of the sound power level of noise sources in indoor or outdoor environments using sound intensity measurements. Contains information on instrumentation, installation and operation of the source, procedures for the selection of a measurement surface, methods for the sampling of sound intensity on the measurement surface, procedures for the calculation of sound power level, and techniques that can be used to quality the measurement environment.

Single copy price: \$100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR/ASA S12.43-1997 (R201x), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions (reaffirmation of ANSI/ASA S12.43-1997 (R2012))

Specifies three methods for measuring sound-pressure levels from machinery and equipment, at a workstation and at other specified positions nearby, differentiated primarily by the acoustical environment in which they are made. Measurements by: Method A in an essentially free field over a reflecting plane; Method B in any environment that meets certain qualification requirements specified; Method C in a semi-reverberant field for which the accuracy implied by measurements under Method A or B isn't required.

Single copy price: \$130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR/ASA S12.44-1997 (R201x), Standard Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level (reaffirmation of ANSI/ASA S12.44-1997 (R2012))

Provides a method for determining emission sound pressure levels from the sound power level produced by all types of machinery and equipment at workstations and other specified locations. These sound pressure levels are, in general, less than those that would be measured when the machinery or equipment is operating in its normal surroundings where the environment may influence the measurement of an emission sound pressure level.

Single copy price: \$100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S12.50-2002/ISO 3740-2000 (R201x), Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (reaffirmation of ANSI/ASA S12.50-2002/ISO 3740-2000 (R2012))

Gives guidance for the use of a series of nine International Standards describing various methods for determining sound power levels from all types of machinery and equipment. Provides brief summaries of these basic International Standards; guidance on selection of one or more of these standards. Applies only to airborne sound. For use in preparation of noise test codes (ISO 12001) and noise testing where no specific noise test code exists.

Single copy price: \$130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R201x), Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (a modified nationally adopted international standard) (reaffirmation of ANSI/ASA S12.62-2012/ISO 9613-2:1996 (MOD))

This modified Nationally Adopted International Standard specifies an engineering method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of environmental noise at a distance from a variety of sources. The method predicts the equivalent continuous A-weighted sound pressure level (as described in parts 1 to 3 of ISO 1996) under meteorological conditions favorable to propagation from sources of known sound emission.

Single copy price: \$55.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S12.68-2007 (R201x), Methods of Estimating Effective A-Weighted Sound Pressure Levels When Hearing Protectors Are Worn (reaffirmation of ANSI/ASA S12.68-2007 (R2012))

Specifies three methods, in ascending order of complexity of use and potential accuracy, for estimation of sound pressure levels that are effective when a hearing protector is worn: (1) Noise Level Reduction Statistic for use with A-weighting (NRSA), (2) Noise Level Reduction Statistic, Graphical (NRSG), and (3) the octave-band method. Also specifies, in the case of NRSA and NRSG, that values will be presented for both 80th and 20th percentiles to reflect the range of attenuation that can be anticipated.

Single copy price: \$130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)**Reaffirmation**

BSR ASA S2.72-2003/Part 4 (R201x)/ISO 2631-4-2001 (R201x), Mechanical Vibration and Shock - Evaluation of Human Exposure to Whole-Body Vibration - Part 4: Guidelines for the Evaluation of the Effects of Vibration and Rotational Motion on Passenger and Crew Comfort in Fixed-Guideway Transport Systems (reaffirmation of ANSI ASA S2.72-2003/Part 4 (R2012) /ISO 2631-4-2001 (R2012))

For design and evaluation of fixed-guideway passenger systems with regard to impact of vibration and repetitive motions on passenger comfort. Fixed-guideway vehicles provide predictable, complex multi-axis motion environment that is a function of the guideway, vehicle and seat or berth. Passengers evaluate ride comfort not only based on motion but also on expectations regarding the class of service purchased. Passengers judge comfort based on interaction of vibration with acoustic noise, etc.

Single copy price: \$55.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S2.72-2002/Part 1 (R201x)/ISO 2631-1-1997 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements (a nationally adopted international standard) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012)/ISO 2631-1-1997 (R2012))

Defines methods for measurement of periodic, random, and transient whole-body vibration. Indicates the principal factors that combine to determine degree to which a vibration exposure will be acceptable. Informative annexes indicate current opinion and provide guidance on possible effects of vibration on health, comfort and perception, and motion sickness. The frequency range considered is 0.5 Hz to 80 Hz for health, comfort, and perception and 0.1 Hz to 0.5 Hz for motion sickness.

Single copy price: \$81.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S2.72/Part 1 Amd. 1-2010/ISO 2631-1 Amd. 1:2010 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements - Amendment 1 (a nationally adopted international standard amendment) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R2012))

This amendment to ANSI/ASA S2.72-2002/Part 1/ISO 2631-1:1997 provides numerous updates and corrections throughout the document.

Single copy price: \$10.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems, Amendment 1 (a Nationally Adopted International Standard Amendment) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R2012))

This amendment to ANSI/ASA S2.72-2003/Part 4 / ISO 2631-4:2001 (R2007) incorporates a new Annex B, Statistical analysis method. This annex cancels and replaces ISO 10056:2001 Mechanical vibration - Measurement and analysis of whole-body vibration to which passengers and crew are exposed in railway vehicles.

Single copy price: \$10.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, nstremmel@acousticalsociety.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)**Revision**

BSR X9.69-201x, Framework for Key Management Extensions (revision of ANSI X9.69-2007)

This standard defines methods for the generation and control of keys used in symmetric cryptographic algorithms. The standard defines a constructive method for the creation of symmetric keys by combining two or more secret key components. The standard also defines a method for attaching a key usage vector to each generated key, that prevents abuses and attacks against the key. The two defined methods can be used separately or in combination.

Single copy price: \$60.00

Obtain an electronic copy from: Ambria.Frazier@x9.org

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

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

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

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

This proposed addendum starts the process of re-organizing the standard into three components - Hospital, Outpatient, and Residential Health - to follow the FGI Guidelines' move to three separate standards. The intent is not to create any additional requirements for outpatient facilities, but to separate them from hospital requirements, and thus eliminate confusion over which requirements apply to which occupancies.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

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

This proposal provides consistency with the format and structure of section x.7 in the 90.1 sections to make compliance more consistent.

Single copy price: \$35.00

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.)**Reaffirmation**

BSR/ASHRAE Standard 111-2008 (R201x), Measurement, Testing, Adjusting and Balancing of Building HVAC Systems (reaffirmation of ANSI/ASHRAE Standard 111-2008)

To provide uniform procedures for measurement, testing, adjusting, balancing, evaluating, and reporting the performance of building heating, ventilating, and air-conditioning systems in the field.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASHRAE/ACCA Standard 183-2007 (R201x), Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings (reaffirmation of ANSI/ASHRAE/ACCA Standard 183-2007 (R2014))

This standard sets minimum requirements for methods and procedures used to perform peak cooling and heating load calculations for buildings except low-rise residential buildings.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

Withdrawal

ANSI/ASHRAE Standard 93-2010 (R2014), Methods of Testing to Determine the Thermal Performance of Solar Collectors (withdrawal of ANSI/ASHRAE Standard 93-2010 (R2014))

The purpose of this standard is to provide test methods for determining the thermal performance of solar energy collectors that use single-phase fluids and have no significant internal energy storage.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ATSIP (Association of Transportation Safety Information Professionals)

New Standard

BSR/ATSIP D.16-201x, Manual on Classification of Motor Vehicle Traffic Crashes, 8th edition (new standard)

The D.16 standard is used to classify motor vehicle crashes based on the nature, type, size and number of motor vehicles and other vehicles or persons involved. Classification is based on actions, location, injury severity, roadway type, vehicle configuration, etc. and is derived from the data elements collected at the scene of a motor vehicle crash.

Single copy price: \$27.50

Obtain an electronic copy from: <http://www.atsip.org>

Order from: R. Robert Rasmussen II, c/o ATSIP, 6394 Greystone Creek Road, Mechanicsville, VA 23111 or razzoabsa@aol.com

Send comments (with copy to psa@ansi.org) to: R. Robert Rasmussen II, razzoabsa@aol.com

AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1-016-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1-017-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

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Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1-018-201x, Standard Welding Procedure Specification (SWPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E71T-8, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic self-shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1-019-201x, Standard Welding Procedure Specification (SWPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1C and E71T-1C, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic CO2-shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

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

BSR/AWS B2.1-1-020-201x, Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO₂ Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic Ar/CO₂-shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

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

BSR/AWS B2.1-1-021-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded-metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

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

BSR/AWS B2.1-1-022-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

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

BSR/AWS B2.1-1-026-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

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Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

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

BSR/AWS B2.1-8-023-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

BICSI (Building Industry Consulting Service International)**New Standard**

BSR/BICSI 008-201x, Wireless Local Area Network (WLAN) Systems Design and Implementation (new standard)

This document describes industry- and service-provider-neutral standards and acceptable best practices for the design and installation of in building and campus wireless local area networks (WLANs).

Single copy price: Free

Obtain an electronic copy from: standards@bicsi.org

Order from: Jeff Silveira, (813) 903-4712, jsilveira@bicsi.org

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

BICSI (Building Industry Consulting Service International)

New Standard

BSR/BICSI N1-201x, Installation Practices for Telecommunications and ICT Cabling and Related Cabling Infrastructure (new standard)

This standard describes minimum requirements and procedures for installing the cabling and cabling infrastructure for telecommunications and ICT systems. Additionally, this standard will provide recommendations that may optimize performance or longevity of the cabling and cabling infrastructure and serve as a reference for "neat and workmanlike manner" installation practices.

Single copy price: Free

Obtain an electronic copy from: standards@bicsi.org

Order from: Jeff Silveira, (813) 903-4712, jsilveira@bicsi.org

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

BICSI (Building Industry Consulting Service International)

New Standard

BSR/BICSI N2-201x, Practices for the Installation of Telecommunications and ICT Cabling Intended to Support Remote Power Applications (new standard)

This standard specifies best practices for installation of telecommunications cabling intended to support remote power applications. These installation practices are intended to facilitate compliance with applicable codes and to follow the recommendations and requirements of applicable standards.

Single copy price: Free

Obtain an electronic copy from: standards@bicsi.org

Order from: Jeff Silveira, (813) 903-4712, jsilveira@bicsi.org

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

FM (FM Approvals)

New Standard

BSR/FM 4930-201x, Evaluating Cooling Towers (new standard)

This test standard provides a procedure and performance requirements for cooling towers and cooling tower components by evaluating the ability of these products to resist combustibility, fire, wind, ice, snow, and seismic performance requirements.

Single copy price: Free

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

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

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

ICC (International Code Council)

New Standard

BSR/ICC 902/SRCC 400-201x, Solar Pool and Spa Heating Systems Standard (new standard)

This standard will establish minimum requirements for the performance, design and installation of solar thermal heating systems for heating water used within pools, spas, hot tubs, exercise spas, water parks, and spray grounds. This standard will also establish methods for rating the performance of these systems based on projections and test data for specific climates, locations, times of year, and pool or spa type. This standard will apply to both residential and commercial systems, both direct and indirect heating systems and both new and existing installations.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/standards-development/is-phsc/>

Order from: Edward Wirtschoreck, (888) 422-7233, ewirtschoreck@iccsafe.org

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

ICC (International Code Council)

Revision

BSR/ICC 400-201x, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2012)

The purpose of this effort is to provide technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe and reliable structures constructed of log timbers.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/standards-development/is-log/>

Order from: Edward Wirtschoreck, (888) 422-7233, ewirtschoreck@iccsafe.org

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

MSS (Manufacturers Standardization Society)

Revision

BSR/MSS SP-25-201x, Standard Marking System for Valves, Fittings, Flanges, and Unions (revision of ANSI/MSS SP-25-2013)

This standard marking system applies to valves, fittings, flanges, and unions used in piping connections that include (but are not limited to) flanged, soldered, brazed, threaded, or welded joints. The markings specified within this standard serve to identify the manufacturer, the rating designation, materials of construction, and special service limitations imposed by the manufacturer. They are used for product identification and to assist in proper application. This standard applies to marking for new valves. Marking for remanufactured and refurbished valves is outside the scope of SP-25.

Single copy price: \$148.00

Obtain an electronic copy from: standards@msshq.org

Order from: Michelle Pennington, (703) 281-6613, Ext 101, mpennington@mss-hq.org

Send comments (with copy to psa@ansi.org) to: Robert O'Neill, (703) 281-6613, boneill@mss-hq.org

SCTE (Society of Cable Telecommunications Engineers)**Revision**

BSR/SCTE 104-201x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2015)

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

SCTE (Society of Cable Telecommunications Engineers)**Revision**

BSR/SCTE 146-201x, Outdoor "F" Female to "F" Female Inline Splice (revision of ANSI/SCTE 146-2008)

The purpose of this document is to recommend mechanical and electrical standards for 75-ohm broadband radio frequency (RF) devices whose purpose is to provide an outdoor inline connection between two type "F" male connectors that conform to ANSI/SCTE 123; Specification for "F" Connector, Male, Feed-Through, or ANSI/SCTE 124; Specification for "F" Connector, Male, Pin Type, and ANSI SCTE 160, Specification for Mini F connector male Pin type. The mechanical configuration is designed to accommodate sealing rings for external applications.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

SCTE (Society of Cable Telecommunications Engineers)**Revision**

BSR/SCTE 172-201x, Constraints on AVC and HEVC Structured Video Coding for Digital Program Insertion (revision of ANSI/SCTE 172-2011)

This document defines additional video coding and transport constraints on ANSI/SCTE 128 (which constrains ITU-T H.264/ ISO/IEC 14496-10 ("AVC") video compression) or on ANSI/SCTE 215 (which constrains ITU-T H.265/ISO/IEC 23008-2 ("HEVC") video compression) for Digital Program Insertion applications using SCTE 35 messaging. AVC and HEVC video uses a network abstraction layer structure to carry video and in this document "NAL structured video" will collectively refer to both AVC and HEVC Video.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 920.123-201x, Transmission Requirements for Digital Interface Communications Devices with Group Speakerphone (new standard)

Establishes transmission performance requirements for group speakerphone devices that function as narrowband (300 to 3400 Hz) or wideband (100 to 7000 Hz) digital interface communications devices, or both. Group speakerphones are devices used for one or more individuals in a small to large setting with users at a distance further away (up to 2 meters, or more) than those for personal devices. Typically, the speaker and microphone are located in the base unit together, but may have satellite microphones that extending out from the center base unit.

Single copy price: \$116.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 920.130-B-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)

This standard establishes audio transmission performance requirements for headset-equipped digital telephones regardless of protocol or digital format. Transmission may be over any digital interface including Local or Wide Area Networks, Universal Serial Bus (USB), Firewire/IEEE Std 1394, public ISDN or digital over twisted pair wire. This includes TDM-based and packet-based (e.g., VoIP) telephones. These telephones may be connected through modems, voice gateways, wireless access points, or PBXs, or they may be personal computer-based telephones.

Single copy price: \$133.00

Obtain an electronic copy from: 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 470.110-E-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Telephones with Handsets (revision and redesignation of ANSI/TIA 470.110-D-2014)

Revision to included changing document structure, establishing nominal volume control for all test loops, Add receive output level tests, retain SLR and RLR as a normative annex with reference in main text that allows it to be used; Change frequency response from ERP to Free field; Add 2.7-km loop SDNR testing; Address 0 km 25-35 ma testing for ATA usage; Add reference to TIA-5047 in an informative annex; Update references

Single copy price: \$133.00

Obtain an electronic copy from: 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 62841-2-10-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-10: Particular Requirements for Hand-Held Mixers (identical national adoption of IEC 62841-2-10)

(1) Proposed adoption of the first edition of IEC 62841-2-10, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-10: Particular Requirements for Hand-Held Mixers, as the first edition of UL 62841-2-10.

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 2999-201x, Standard for Individual Commercial Office Furnishings (new standard)

These requirements cover individual commercial office furnishings used in large- or medium-sized (greater than 25 people) offices that are not connected to or part of a panel systems. The furnishings are not intended for use where children may be present such as medical offices. The products are used in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended for dry locations only. These furnishings include both electrified and non-electrified and may include, but not limited to: (a) Motor-operated tables and desks; (b) Desks and tables; (c) Storage cabinets; (d) Chairs; and (e) Bench systems.

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: Ritu Madan, (847) 664-3297, ritu.madan@ul.com

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

BSR/UL 448A-2013 (R201x), Standard for Safety for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps (reaffirmation of ANSI/UL 448A-2013)

UL proposes a reaffirmation for UL 448A.

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: Griff Edwards, 919 549-0956, griff.edwards@ul.com

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

BSR/UL 2360-2004 (R201x), Standard for Safety for Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction (reaffirmation of ANSI/UL 2360-2004 (R2013))

UL proposes a reaffirmation for ANSI approval of UL 2360.

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: Mary Huras, (613) 368-4425, Mary.Huras@ul.com

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

BSR/UL 1206-201X, Standard for Safety for Electric Commercial Clothes-Washing Equipment (Proposal dated 7-28-17) (revision of ANSI/UL 1206-2012a)

This proposal includes a proposed addition and revision of an alternate method for evaluating protective electronic circuits and controls using requirements based on the Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements, UL 60335-1

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: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

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

BSR/UL 1240-201X, Standard for Safety for Electric Commercial Clothes-Drying Equipment (Proposal dated 7-28-17) (revision of ANSI/UL 1240-2012)

This proposal includes a proposed addition and revision of an alternate method for evaluating protective electronic circuits and controls using requirements based on the Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements, UL 60335-1

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

VITA (VMEbus International Trade Association (VITA))***New Standard***

BSR/VITA 68.0-201x, VPX Compliance Channel Standard (new standard)

VITA 68.0 is the Base Standard of the VITA 68.x family of standards for signal integrity compliance of VPX systems and components. This standard provides an overview of the VITA 68.x family of standards and defines common requirements for VPX modules and VPX backplanes that apply across the range of VITA 68.x standard.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

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

VITA (VMEbus International Trade Association (VITA))***New Standard***

BSR/VITA 68.1-201x, VPX Compliance Channel - Fixed Signal Integrity Budget Standard (new standard)

VITA 68.1 is part of the VITA 68.x family of standards for signal integrity compliance of VPX systems and components. This standard defines a VPX compliance channel fixed signal Integrity budget including module performance criteria and common backplane performance criteria required to support multiple fabric types across a range of defined baud rates.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

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

VITA (VMEbus International Trade Association (VITA))**Revision**

BSR/VITA 46.9-201x, PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (revision of ANSI/VITA 46.9-2010)

Revise standard to add pin out options to J2/P2 connector where they may be half populated or not be populated at all.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

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

Comment Deadline: September 26, 2017**ASME (American Society of Mechanical Engineers)****Revision**

BSR/ASME A112.14.3-201x, Hydromechanical Grease Interceptors (revision of ANSI/ASME A112.14.3-2000 (R2014))

This Standard covers general product requirements as well as the performance criteria for the testing and rating of hydromechanical grease interceptors, rated by flow in by gallons per minute (gpm) or liters per minute (L/min).

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO TIR 15499:2016□, Biological evaluation of medical devices - Guidance on the conduct of biological evaluation within a risk management process □ (TECHNICAL REPORT) (technical report)

Revision of AAMI/ISO TIR 15499-2012. This document is applicable to the conduct of biological evaluation of medical devices according to the requirements of ISO 10993-1. It does not add to, or otherwise change, the requirements of ISO 10993-1. This document does not include requirements to be used as the basis of regulatory inspection or certification assessment activities. This guidance is applicable to all biological evaluation of all types of medical devices including active, non-active, implantable and non-implantable medical devices.

Single copy price: Previous edition \$119.00; may change after publication layout

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Amanda Benedict, (703) 253-8284, abenedict@aami.org

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:

ASME (American Society of Mechanical Engineers)

BSR/ASME B107.67-201x, Coatings for Hand Tools (new standard)

Inquiries may be directed to Mayra Santiago, (212) 591-8521, ansibox@asme.org

ASTM (ASTM International)

BSR/ASTM WK35667-201x, New Test Method for Insulation Rating and Temperature Rating of Sleeping Pads (new standard)

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE IPS SP 416-201x, Specification for a Weather Resistant RJ Type Connector (new standard)

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Joe Lewelling*

Phone: (703) 253-8281

Fax: (703) 276-0793

E-mail: JLewelling@aami.org

BSR/AAMI HIT1000-1-201x, Health IT Software and Systems - Part 1: Fundamental concepts and principles (new standard)

BSR/AAMI HIT1000-3-201x, Health IT software and systems - Part 3: Application of risk management (new standard)

BSR/AAMI HA60601-1-11, Amendment 1-201x, Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, Amendment 1 (addenda to ANSI/AAMI HA60601-1-11-2015)

BSR/AAMI NS4-2013 (R201x), Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013)

BSR/AAMI/IEC 60601-1-08, Amendment 2-201x, Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems, Amendment 2 (addenda to ANSI/AAMI/IEC 60601-1-8-2013)

ASA (ASC S12) (Acoustical Society of America)

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

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: nstremmel@acousticalsociety.org

BSR/ASA S12.9-2007/Part 5 (R201x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Use (reaffirmation of ANSI/ASA S12.9-2007/Part 5 (R2012))

BSR/ASA S12.12-1992 (R201x), Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity (reaffirmation of ANSI/ASA S12.12-1992 (R2012))

BSR/ASA S12.43-1997 (R201x), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions (reaffirmation of ANSI/ASA S12.43-1997 (R2012))

BSR/ASA S12.44-1997 (R201x), Standard Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level (reaffirmation of ANSI/ASA S12.44-1997 (R2012))

BSR/ASA S12.50-2002/ISO 3740-2000 (R201x), Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (reaffirmation of ANSI/ASA S12.50-2002/ISO 3740-2000 (R2012))

BSR/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R201x), Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (a modified nationally adopted international standard) (reaffirmation of ANSI/ASA S12.62-2012/ISO 9613-2:1996 (MOD))

BSR/ASA S12.68-2007 (R201x), Methods of Estimating Effective A-Weighted Sound Pressure Levels When Hearing Protectors Are Worn (reaffirmation of ANSI/ASA S12.68-2007 (R2012))

ASA (ASC S2) (Acoustical Society of America)

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

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: nstremmel@acousticalsociety.org

BSR/ASA S2.72-2003/Part 4 (R201x)/ISO 2631-4-2001 (R201x), Mechanical Vibration and Shock - Evaluation of Human Exposure to Whole-Body Vibration - Part 4: Guidelines for the Evaluation of the Effects of Vibration and Rotational Motion on Passenger and Crew Comfort in Fixed-Guideway Transport Systems (reaffirmation of ANSI/ASA S2.72-2003/Part 4 (R2012)/ISO 2631-4-2001 (R2012))

BSR/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements (a nationally adopted international standard) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R2012))

BSR/ASA S2.72/Part 1 Amd. 1-2010/ISO 2631-1 Amd. 1:2010 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements - Amendment 1 (a nationally adopted international standard amendment) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R2012))

BSR/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R201x), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems, Amendment 1 (a Nationally Adopted International Standard Amendment) (reaffirmation of ANSI/ASA S2.72-2002/Part 1 (R2012) ISO 2631-1-1997 (R2012))

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Tanisha Meyers-Lisle*

Phone: (678) 539-1111

Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 22-201X, Methods of Testing for Rating Liquid-Cooled Refrigerant Condensers (revision of ANSI/ASHRAE Standard 22-2014)

BSR/ASHRAE Standard 23.2-201X, Methods of Testing for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants (revision of ANSI/ASHRAE Standard 23.2-2014)

BSR/ASHRAE Standard 111-2008 (R201x), Measurement, Testing, Adjusting and Balancing of Building HVAC Systems (reaffirmation of ANSI/ASHRAE Standard 111-2008)

BSR/ASHRAE Standard 181-201X, Methods of Testing for Rating Liquid-to-Liquid Heat Exchangers (revision of ANSI/ASHRAE Standard 181-2014)

BSR/ASHRAE Standard 203-201X, Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (revision of ANSI/ASHRAE Standard 203-2015)

BSR/ASHRAE/ACCA Standard 183-2007 (R201x), Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings (reaffirmation of ANSI/ASHRAE/ACCA Standard 183-2007 (R2014))

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Phone: (212) 591-8521

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME B107.300-201x, Torque Instruments (revision of ANSI/ASME B107.300-2010 (R2016))

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue
15th Floor
New York, NY 10017

Contact: *Emily Brochstein*

Phone: (212) 297-2126

Fax: (212) 370-9047

E-mail: ebrochstein@kellenccompany.com

BSR/BHMA A156.41-201x, Door Hardware Single Motion to Egress (new standard)

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 468-C-2008 (R201x), Lead Taping of Components in the Radial Configuration for Automatic Handling (reaffirmation of ANSI/EIA 468-C-2008 (R2013))

BSR/EIA 61078-201x, Reliability Block Diagrams (identical national adoption of IEC 61078)

BSR/EIA 60050-192 Ed.1.0-201x, International electrotechnical vocabulary - Part 192: Dependability (identical national adoption of IEC 60050-192: 2015 Ed.1.0)

BSR/EIA 61703 Ed.2.0-201x, Mathematical expressions for reliability, availability, maintainability and maintenance support terms (identical national adoption of IEC 61703:2016)

EMAP (Emergency Management Accreditation Program)

Office: 201 Park Washington Court
Falls Church, VA 22046-4527

Contact: *Nicole Ishmael*

Phone: (859) 244-8242

E-mail: nishmael@csg.org

BSR/EMAP EMS 5-2019, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2016-2016)

BSR/EMAP US&R 2-2019, Urban Search and Rescue Standard (revision and redesignation of ANSI/EMAP US&R-2016)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: *Edgar Suarez*

Phone: (862) 217-2441

E-mail: esuarez@pumps.org

BSR/HI 14.7-201x, Hydraulic Performance Field Testing Guideline (new standard)

IES (Illuminating Engineering Society)

Office: 120 Wall St. 17th Floor
New York, NY 10005

Contact: *Patricia McGillicuddy*

Phone: (212) 248-5000

E-mail: pmcgillicuddy@ies.org

BSR/IESNA RP-3-201x, Standard Practice on Lighting for Educational Facilities (revision of ANSI/IESNA RP-3-2013)

NGWA (National Ground Water Association)

Office: 601 Dempsey Rd
Westerville, OH 43081

Contact: *Jessica Michell*

Phone: (800) 551-7379

Fax: (614) 898-7786

E-mail: jmichell@ngwa.org

BSR/NGWA 01-201x, Water Well Construction Standard (revision of ANSI/NGWA 01-2014)

NSF (NSF International)

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

Contact: *Allan Rose*

Phone: (734) 827-3817

Fax: (734) 827-7875

E-mail: arose@nsf.org

BSR/NSF 305-201x (i30r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2016)

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 470.110-E-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Telephones with Handsets (revision and redesignation of ANSI/TIA 470.110-D-2014)

BSR/TIA 470.140-201x, Acoustic Echo Control Requirements for Analog Telephones (new standard)

BSR/TIA 920.123-201x, Transmission Requirements for Digital Interface Communications Devices with Group Speakerphone (new standard)

BSR/TIA 920.130-B-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Suite 400
Research Triangle Park, NC 27709-3995

Contact: *Mary Huras*

Phone: (613) 368-4425

E-mail: Mary.Huras@ul.com

BSR/UL 2360-2004 (R201x), Standard for Safety for Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction (reaffirmation of ANSI/UL 2360-2004 (R2013))

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 46.9-201x, PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (revision of ANSI/VITA 46.9-2010)

BSR/VITA 68.0-201x, VPX Compliance Channel Standard (new standard)

BSR/VITA 68.1-201x, VPX Compliance Channel - Fixed Signal Integrity Budget Standard (new standard)

Call for Members (ANS Consensus Bodies)

CGA (Compressed Gas Association, Inc.)

Office: 14501 George Carter Way, Suite 103
Chantilly, VA 20151
Contact: Kristy Mastromichalis, Committee Project Manager
Phone: (703) 788-2728
Fax: (703) 961-1831
E-mail: kmastromichalis@cganet.com

CGA P-18, Standard for Bulk Inert Gas Systems

This consensus body is currently seeking members in the following categories:

User
General interest
Equipment supplier
Distributor/retailer
Trade association

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

New Standard

ANSI/AAMI ST90-2017, Processing of health care products - Quality management systems for processing in health care facilities (new standard): 7/18/2017

Reaffirmation

ANSI/AAMI ST67-2011 (R2017), Sterilization of health care products - Requirements and guidance for selecting a sterility assurance level (SAL) for products labeled 'sterile' (reaffirmation of ANSI/AAMI ST67-2011): 7/18/2017

Revision

ANSI/AAMI ST79-2017, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (revision of ANSI/AAMI ST79-2010 (R2014)): 7/18/2017

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

Addenda

ANSI/ASHRAE/ICC/USGBC/IES 189.1bq-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE 15b-2017, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2013): 6/29/2017

ANSI/ASHRAE 15c-2017, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2013): 6/29/2017

ANSI/ASHRAE 34a-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 6/29/2017

ANSI/ASHRAE 34b-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 6/29/2017

ANSI/ASHRAE 34d-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 6/29/2017

ANSI/ASHRAE 34e-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 6/29/2017

ANSI/ASHRAE 188a-2017, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2015): 6/29/2017

ANSI/ASHRAE 188b-2017, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2015): 6/29/2017

ANSI/ASHRAE 188c-2017, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2015): 6/29/2017

ANSI/ASHRAE 188e-2017, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2015): 6/29/2017

ANSI/ASHRAE Addendum 62.2b-2017, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013): 6/29/2017

ANSI/ASHRAE Addendum 62.2d-2017, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1ag-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bb-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bk-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bt-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bu-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1cd-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME A112.18.1-2012/CSA B125.1-2012 (R2107), Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.1-2012/CSA B125.1-2012): 7/21/2017

ANSI/ASME B18.5-2012 (R2017), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012): 7/21/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA C227-2017, Bolted, Split-Sleeve Couplings (revision of ANSI/AWWA C227-2011): 7/21/2017

BHMA (Builders Hardware Manufacturers Association)

Revision

* ANSI/BHMA A156.10-2017, Power Operated Pedestrian Doors (revision of ANSI/BHMA A156.10-2011): 7/21/2017

IAPMO (International Association of Plumbing & Mechanical Officials)

Revision

* ANSI/CSA B45.11/IAPMO Z401-2017, Glass plumbing fixtures (revision of ANSI/CSA B45.11/IAPMO Z401-2011): 7/18/2017

IEEE (Institute of Electrical and Electronics Engineers)

Revision

ANSI/IEEE 7-4.3.2-2016, Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations (revision of ANSI/IEEE 7-4.3.2-2010): 7/21/2017

ANSI/IEEE 98-2016, Standard for the Preparation of Test Procedures for the Thermal Evaluation of Solid Electrical Insulating Material (revision of ANSI/IEEE 98-2007): 7/21/2017

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

New National Adoption

INCITS/ISO/IEC 27010:2015 [2017], Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications (identical national adoption of ISO/IEC 27010:2015 and revision of INCITS/ISO/IEC 27010:2012 [2014]): 7/21/2017

INCITS/ISO/IEC 27039:2015 [2017], Information technology - Security techniques - Selection, deployment and operations of intrusion detection and prevention systems (IDPS) (identical national adoption of ISO/IEC 27039:2015): 7/21/2017

INCITS/ISO/IEC 27040:2015 [2017], Information technology - Security techniques - Storage security (identical national adoption of ISO/IEC 27040:2015): 7/21/2017

INCITS/ISO/IEC 27041:2015 [2017], Information technology - Security techniques - Guidance on assuring suitability and adequacy of incident investigative method (identical national adoption of ISO/IEC 27041:2015): 7/21/2017

INCITS/ISO/IEC 27043:2015 [2017], Information technology - Security techniques - Incident investigation principles and processes (identical national adoption of ISO/IEC 27043:2015): 7/21/2017

MedBiq (MedBiquitous Consortium)

New Standard

- * ANSI/MEDBIQ EA.10.1-2017, Educational Achievement (new standard): 7/18/2017

NSF (NSF International)

Revision

- * ANSI/NSF 14-2017 (i85r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016a): 7/19/2017

PMI (Project Management Institute)

Revision

ANSI/PMI 08-002-2017, The Standard for Program Management - Fourth Edition (revision of ANSI/PMI 08-002-2012): 7/21/2017

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 135-5-2017, DOCSIS 3.0 Part 5: Cable Modem to Customer Premise Equipment Interface (revision of ANSI/SCTE 135-5-2009): 7/21/2017

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 14B-2008 (R2017), Sliding Hardware for Standard, Horizontally Mounted Tin-Clad Fire Doors (reaffirmation of ANSI/UL 14B-2008): 7/17/2017

ANSI/UL 14C-2008a (R2017), Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs (reaffirmation of ANSI/UL 14C-2008a): 7/17/2017

ANSI/UL 61800-5-2-2012 (R2017), Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-2: Safety Requirements - Functional (reaffirmation of ANSI/UL 61800-5-2-2012): 6/23/2017

Revision

ANSI/UL 705-2017, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2016): 7/19/2017

- * ANSI/UL 923-2017, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2017): 7/19/2017

ANSI/UL 1446-2017, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2016): 7/18/2017

ANSI/UL 60079-26-2017b, Standard for Safety for Explosive Atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga (Proposal dated 05-26-17) (revision of ANSI/ISA 60079-26 (12.00.03)-2011): 7/21/2017

Project Initiation Notification System (PINS)

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

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

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

AAFS (American Academy of Forensic Sciences)

Office: 4200 Wisconsin Ave, NW Suite 106-310
Washington, DC 20016

Contact: *Teresa Ambrosius*

E-mail: tambrosius@aafs.org

BSR/ASB Std 042-201x, Standard for Disaster Live Human Detection Dogs Programs - Training, Certification, and Documentation (new standard)

Stakeholders: Canine teams working in disaster environments.

Project Need: There are no consensus standards for canine teams (canine and handler), specifically dedicated to the training, certification, and documentation in searching for live humans in disaster environments.

To provide a standard for training, certification, and documentation pertaining to canine teams trained to search for live people in disaster environments, including structural collapse.

BSR/ASB Std 043-201x, Standard for Disaster Human Remains Detection Dogs Programs - Training, Certification, and Documentation (new standard)

Stakeholders: Canine teams working in disaster environments.

Project Need: There are no consensus standards for canine teams (canine and handler), specifically dedicated to training, certification, and documentation in searching for human remains in disaster environments.

To provide a standard for training, certification, and documentation pertaining to canine teams trained to search for human remains in disaster environments, including structural collapse.

BSR/ASB Std 046-201x, Wildlife Forensics Validation Standards - New Tests for Validating Short Tandem Repeat (STR) Primers (new standard)

Stakeholders: Wildlife forensic professionals and laboratories.

Project Need: Wildlife Forensic Laboratories do not have a standard defining a kit, or kits, for use in STR analysis. It is imperative to have a standard guiding the implementation of new markers in any panel set that is currently in use.

This document provides minimum standards and recommendations for validating new STR (short tandem repeat, nuclear DNA) markers for use against validated wildlife forensic DNA databases.

BSR/ASB Std 047-201x, Wildlife Forensics Validation Standard - Validating New Primers for Sequencing (new standard)

Stakeholders: Wildlife forensic professionals and laboratories.

Project Need: The field of Wildlife Forensics encompasses numerous species. Proper taxonomic identification and haplotyping requires a variety of primers and, at times, new primers must be used. This standard delineates the implementation of the primers. This information is not currently available in any other standards.

This document provides minimum standards and recommendations for validating new sequencing primers for taxonomic identification and mitochondrial haplotyping in wildlife forensic DNA laboratories where the sequencing (Sanger) method has already been validated. The method of validating the new sequencing primers against a validated database is contained in this standard.

BSR/ASB Std 048-201x, Wildlife Forensic DNA Standard Procedures (new standard)

Stakeholders: Wildlife forensic professionals and laboratories.

Project Need: To ensure consistency of analytic results across wildlife forensic laboratories, it is necessary to have standardized procedures in place; this standard will meet that need.

This standard covers the application of genetic techniques in analyzing wildlife forensic evidence. Also covered are: specific wildlife DNA analyses, such as DNA sequencing for the identification of class characters, DNA fragment analysis of short tandem repeats (STRs) for establishing individual identity, and includes validation of databases for comparison. Of particular concern are phylogeny, taxonomy, and reference collections that are specific to wildlife forensic science.

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI HA60601-1-11, Amendment 1-201x, Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, Amendment 1 (addenda to ANSI/AAMI HA60601-1-11-2015)

Stakeholders: Manufacturers, regulators, test houses, clinicians.

Project Need: This amendment corrects a number of known issues in the current edition.

This amendment will: update references; fix inconsistencies within the document; and correct technical errors.

BSR/AAMI/IEC 60601-1-08, Amendment 2-201x, Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems, Amendment 2 (addenda to ANSI/AAMI/IEC 60601-1-8-2013)

Stakeholders: Manufacturers, regulators, test houses, clinicians.

Project Need: This amendment corrects a number of known issues in the current edition.

This amendment will address: inconsistencies within the standard; safety gaps and overly prescriptive requirements; new technical requirements; and updated references.

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI HIT1000-1-201x, Health IT software and systems - Part 1: Fundamental concepts and principles (new standard)

Stakeholders: Health care providers, health software and health IT vendors and users, regulators, patients, medical device manufacturers, patient safety advocates, EHR vendors, health IT system integrators and implementers.

Project Need: AAMI/HIT1000-1 will facilitate shared responsibility among the many organizations and individuals that develop, implement, and use health IT by identifying specific roles, defining responsibilities needed to ensure health IT safety and quality, and creating a common framework for cooperation and collaboration.

Identifies the fundamental concepts and principles needed to maintain safe, secure, and effective health IT software and systems. Identifies the roles, and defines the responsibilities, activities, and best practices that are necessary for managing safety, security, and effectiveness of health IT software and systems. Applies throughout the whole lifecycle of health IT software and systems and to all sizes and type of actors involved with that system

BSR/AAMI HIT1000-2-201x, Health IT software and systems - Part 2: Application of quality systems principles and practices (new standard)

Stakeholders: Health care providers, health software and health IT vendors and users, regulators, patients, medical device manufacturers, patient safety advocates, EHR vendors, health IT system integrators and implementers.

Project Need: AAMI HIT1000-2 will facilitate shared responsibility for quality principles and practices among the many organizations and individuals involved in developing, maintaining, and implementing health IT systems and software, in order to promote health IT safety and efficacy.

Specifies the characteristics of effective quality systems associated with health IT (HIT) systems and software and the communications between partner organizations required to promote HIT safety and efficacy. Utilizing the roles and responsibilities defined in part one of this series (AAMI HIT1000-1), this standard defines the expectations and activities required to establish effective quality systems across the health IT life cycle.

BSR/AAMI HIT1000-3-201x, Health IT software and systems - Part 3: Application of risk management (new standard)

Stakeholders: Health care providers, health software and health IT vendors and users, regulators, patients, medical device manufacturers, patient safety advocates, EHR vendors, health IT system integrators and implementers.

Project Need: AAMI HIT1000-3 will facilitate shared responsibility for addressing safety risks associated with health IT systems and software among the many organizations and individuals involved in developing, maintaining, and implementing health IT systems and software

Specifies a process to identify the patient safety hazards associated with health IT (HIT) software and HIT systems, to estimate and evaluate the associated risks, to control these risks, and to monitor the effectiveness of the controls. It applies to all sizes and types of health service delivery organizations and to HIT vendors developing, implementing, and using HIT software and HIT systems within their sociotechnical use context.

BSR/AAMI HIT1000-4-201x, Health IT software and systems - Part 4: Application of human factors engineering (new standard)

Stakeholders: Health care providers, health software and health IT vendors and users, regulators, patients, medical device manufacturers, patient safety advocates, EHR vendors, health IT system integrators and implementers.

Project Need: AAMI HIT1000-4 will detail a human engineering process for use in developing, maintaining, and implementing health IT systems and software, in order to promote good usability of these products and systems while improving their safety and efficacy.

Specifies a human factors engineering process to be applied during the development, implementation, and maintenance of health IT (HIT) software and HIT systems that will help facilitate the safety, effectiveness, and usability of these products and systems.

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

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BSR/ASHRAE Standard 22-201X, Methods of Testing for Rating Liquid-Cooled Refrigerant Condensers (revision of ANSI/ASHRAE Standard 22-2014)

Stakeholders: Manufacturers and users of liquid-cooled refrigerant condensers.

Project Need: Update references and other non-substantive editorial corrections as needed.

This standard applies to the methods of testing for thermodynamic performance rating of liquid-cooled refrigerant condensers that operate at subcritical pressures of the refrigerant.

BSR/ASHRAE Standard 23.2-201X, Methods of Testing for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants (revision of ANSI/ASHRAE Standard 23.2-2014)

Stakeholders: Consumers; compressor manufacturers; manufacturers of heat pumps; refrigerator store cases and other refrigerant system products; utilities; DOE and other regulatory agencies; AHRI.

Project Need: 23.2 is used to rate the performance of compressors for transcritical applications with refrigerants such as low GWP CO₂ (R744). 23.2 is due for periodic maintenance in accordance with ANSI requirements and should be updated for consistency with Standard 23.1.

The purpose of this standard is to provide methods of test for rating the thermodynamic performance of positive displacement refrigerant compressors and compressor units that operate at supercritical pressures of the refrigerant.

BSR/ASHRAE Standard 181-201X, Methods of Testing for Rating Liquid-to-Liquid Heat Exchangers (revision of ANSI/ASHRAE Standard 181-2014)

Stakeholders: Manufacturers and users of liquid-cooled refrigerant condensers.

Project Need: Update references and other non-substantive editorial corrections as needed.

This standard prescribes methods of testing the thermal performance and pressure drop of liquid-to-liquid heat exchangers.

BSR/ASHRAE Standard 203-201X, Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (revision of ANSI/ASHRAE Standard 203-2015)

Stakeholders: Manufacturers of plug load equipment for offices and engineers.

Project Need: Plug loads are important contributors to a building's total air-conditioning or cooling load and energy consumption. Standard 203 defines a method of test for determining heat gain from plug-load-type electrical office equipment in buildings. The data is to be used to evaluate the range and average operating heat gains for cooling load calculations.

This standard prescribes methods of test to determine the range and average operating heat gains of electrical equipment for use in cooling load calculations.

ASME (American Society of Mechanical Engineers)

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BSR/ASME A112.6.3-201x, Floor and Trench Drains (revision of ANSI/ASME A112.6.3-2016)

Stakeholders: Users, distributors, and manufacturers.

Project Need: This revision is intended to clarify the "grate-free area" term and add a definition, a figure, and requirements for perimeter grates. In addition, the following will be added or revised: (a) Requirements for aluminum drains; (b) The requirements for finishes were revised; (c) A table with minimum thicknesses for drain body sumps was added, to specify the thicknesses depending on the material; (d) The thicknesses for spigot (no-hub) outlet connections were revised, for clarity.

This Standard covers floor, area, adjustable floor, and trench drains that are used inside of, or outside and immediately adjacent to, building structures. This Standard specifies design requirements, definitions, nomenclature, outlet types and connections, grate-free areas, top-loading classifications, materials, and finishes.

BSR/ASME B30.31-201x, Self-Propelled, Towed, or Remote Controlled Hydraulic Platform Transporters (new standard)

Stakeholders: The stakeholders are very similar to the stakeholders that utilize the B30 Series of Safety Standards. Users would include those involved in moving heavy equipment/machinery.

Project Need: The use of these platform transporters is widespread in heavy construction. This new standard will ensure a consistent standard in the manufacture and safe use of these transporters, which will facilitate proper selection for the intended operation.

The standard will contain provisions that apply to the construction, operation, inspection, testing, maintenance, and safe use of hydraulic platform transporters for handling loads. Specific Chapters could include the following: Introduction to Hydraulic Platform Transporters, Hydraulic Suspension and Trailer Stability Requirements, Ground Support Requirements, Traction and Braking Requirements, Structural Strength Requirements, Load Placement and Securement, Operational Safety Considerations, and Special Operations (i.e., use of Hydraulic Platform Trailers on barges, etc.). The standard will not apply to commercial truck transportation of loads over public roadways.

BSR/ASME B107.300-201x, Torque Instruments (revision of ANSI/ASME B107.300-2010 (R2016))

Stakeholders: Manufacturers, users, and distributors of torque instruments. In addition, regulatory authorities who adopt this standard.

Project Need: Revised to reflect latest industry practices.

This Standard provides performance and safety requirements for manually operated torque instruments, commonly used for mechanical measurement of torque for control of the tightness of threaded fasteners.

BSR/ASME PTC 1-201x, General Instructions (revision of ANSI/ASME PTC 1-2015)

Stakeholders: All users of the Performance Test Codes

Project Need: To revise certain provisions to meet the new needs of the equipment PTCs.

This document provides direction to users and code-writing committees of Performance Test Codes (PTCs). Code users shall consider it as part of each test. PTC 1 provides instructions to define the purpose and scope of ASME PTCs, to list major industry applications where PTCs can be used, and to provide direction on the use of equipment PTCs concerning the planning, preparation, implementation, and reporting of test results.

BSR/ASME PTC 2-201x, Definitions and Values (revision of ANSI/ASME PTC 2-2001 (R2014))

Stakeholders: All users of the Performance Test Codes

Project Need: To revise certain provisions to meet the new needs of the equipment PTCs.

This Code contains standards for terms, units of measure, values of constants, symbols, and technical nomenclature that are to be used in all individual performance test codes.

BSR/ASME PTC 10-201x, Performance Test Code on Compressors and Exhausters (revision of ANSI/ASME PTC 10-1997 (R2014))

Stakeholders: Users and manufacturers, energy industry.

Project Need: Revise calculations/requirements that are incorrect and/or are no longer used. Revise the definition of the compressibility function Y.

The scope of this Code includes instructions on test arrangement and instrumentation, test procedure, and methods for evaluation and reporting of final results.

BSR/ASME PTC 12.5-201x, Single Phase Heat Exchangers (revision of ANSI/ASME PTC 12.5-2000 (R2015))

Stakeholders: Users, manufacturers, designers, consultants, and government agencies associated with industries that use single-phase heat exchangers.

Project Need: Revisions to the current Standard are needed as a result of technological changes and advancements.

The scope of this Code includes instruments, calculation techniques, and methods to determine the steady-state performance of single-phase heat exchangers at both test conditions and reference conditions.

ASTM (ASTM International)

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BSR/ASTM WK59635-201x, New Test Method for Exterior Wall for Multistory Structures (new standard)

Stakeholders: External Fire Exposures industry.

Project Need: Exterior Wall Test for multistory structures.

<https://www.astm.org/DATABASE.CART/WORKITEMS/WK59635.htm>

AWS (American Welding Society)

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BSR/AWS A5.14/A5.14M-201X, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M:2011)

Stakeholders: Manufacturers and consumers of Ni bare welding electrodes and rods.

Project Need: Adding new filler metals.

This specification prescribes requirements for the classification of bare nickel and nickel-alloy welding electrodes, strip electrodes, and welding rods. It includes those compositions where the nickel content exceeds that of any other element.

BSR/AWS A5.38/A5.38M-201x, Specification for Plasma Transferred Arc and Laser Cladding Powders for Surfacing (new standard)

Stakeholders: Manufacturers and consumers of plasma transferred arc and laser cladding powders for surfacing.

Project Need: Welding industry needs a standard for plasma transferred arc and laser cladding powders for surfacing.

This specification prescribes the requirements for the classification of plasma transferred arc (PTA) and laser cladding powders for surfacing. The specification does not provide for classification of thermal spray powders.

BSR/AWS A5.39/A5.39M-201x, Specification for Nickel and Stainless Steel Filler Metals and Fluxes for Submerged Arc Welding (new standard)

Stakeholders: Manufacturers and consumers of Ni and stainless steel filler metals for SAW process.

Project Need: Industry needs Ni and stainless steel filler metals and fluxes specifications for SAW.

This specification prescribes requirements for the classification of fluxes and weld metal deposited by submerged arc or electroslag welding. Flux-electrode joining classifications include requirements for soundness, mechanical properties and weld metal composition. Flux-electrode cladding classifications include requirements for soundness and weld metal composition. Classification of solid and composite electrodes is not covered in this specification, rather they are classified to AWS A5.9/A5.9M (ISO 14343 MOD) and AWS A5.22/A5.22M for stainless steel electrodes and AWS A5.14/A5.14M and AWS A5.34/A5.34M for nickel alloy electrodes.

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BSR/AWS D10.11M/D10.11-201x, Guide for Root Pass Welding of Pipe Without Backing (new standard)

Stakeholders: Fabricators, owners, and inspectors associated with pipe welding.

Project Need: Provide guidance on welding pipe groove welds where there is no backing provided for the joint.

This standard presents guidelines for welding the root pass of metal pipe butt joints with an open root or a consumable insert. Joint designs, assembly, consumable insert configurations, base metals, filler metals, and purging are discussed. Applicable arc welding processes and techniques are described.

BHMA (Builders Hardware Manufacturers Association)

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* BSR/BHMA A156.41-201x, Door Hardware Single Motion to Egress (new standard)

Stakeholders: Consumers, door, and hardware manufacturers; building and construction.

Project Need: Create a new American National Standard.

This standard describes requirements for doors and door hardware to comply with Code Requirements for single operation egress.

EMAP (Emergency Management Accreditation Program)

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BSR/EMAP EMS 5-2019, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2016-2016)

Stakeholders: Emergency management and homeland security programs.

Project Need: There is a need for comprehensive, programmatic standards to outline necessary components of emergency management and homeland security programs.

The Standard will outline programmatic areas with Standards underneath that outline the necessary components of a comprehensive emergency management and homeland security program. The Standards will include all phases of emergency management to include prevention, preparedness, mitigation, response and recovery activities. The programmatic areas will include such things as Program Management, Hazard Identification and Risk Assessment, Hazard Mitigation, Prevention, Planning, Incident Management, Resource Management, Communications, Facilities, Training and Exercise and Emergency Public Information and Education. The Standard will not be considered an ISO Standard.

BSR/EMAP US&R 2-2019, Urban Search and Rescue Standard (revision and redesignation of ANSI/EMAP US&R-2016)

Stakeholders: Urban search and rescue teams.

Project Need: There is a need for comprehensive, resource standards to outline necessary components of urban search and rescue teams.

The Standard will outline resource areas with Standards underneath that outline the necessary components of a comprehensive urban search and rescue team. The Standards will include criteria for administration, operational, and logistics readiness activities. The resource areas will include Program Management, Finance, Planning and Procedures, Incident Management, Alert and Mobilization, Training and Exercises, and Resource Management and Logistics. The Standard will not be considered an ISO Standard.

HI (Hydraulic Institute)

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BSR/HI 14.7-201x, Hydraulic Performance Field Testing Guideline (new standard)

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

Project Need: To assist pump purchasers and manufacturers in determining hydraulic performance field testing.

Guideline will cover proper techniques needed to determine the performance of a rotodynamic pump that is installed in a hydronic system. It will explain the importance of documenting the system type, operating conditions, fluid type, and pump information. Main concepts will include the identification of what measurements are to be made, proper measurement techniques, calculation of performance values, data analysis, and data presentation. The goal will be to provide a user with a guide that will enable the comparison of expected and actual performance. It will also describe why disparities between expected and actual performance exist and how to correct for disparities.

IES (Illuminating Engineering Society)

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BSR/IESNA RP-3-201x, Standard Practice on Lighting for Educational Facilities (revision of ANSI/IESNA RP-3-2013)

Stakeholders: Lighting practitioners, architects, engineers, code officials, energy efficiency, academic.

Project Need: Provide technical updates to reflect industry practices.

The Educational Facilities Technical Committee researches and develops best practices for educational facilities. The purpose of this proposed revision is to review and revise RP-3-13 with updated content, specifically taking into account changes in the design of educational facilities, evolution of new instructional media and methodologies, and lighting technology.

NEMA (National Electrical Manufacturers Association)

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BSR/NEMA/MITA MII-1-201x, Manufacturer Disclosure Statement for Medical Device Security (new standard)

Stakeholders: Manufacturers, user facilities.

Project Need: This will update HIMSS/NEMA Standard HN 1-2013.

Information provided on the MDS2 form is intended to assist professionals responsible for security risk assessment processes in their management of medical device security issues. The information on the MDS2 form is not intended, and may be inappropriate, for other purposes.

NGWA (National Ground Water Association)

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* BSR/NGWA 01-201x, Water Well Construction Standard (revision of ANSI/NGWA 01-2014)

Stakeholders: Consumers, regulatory agencies, and water well professionals.

Project Need: To revise existing standard.

Performance standard pertaining to the construction of municipal, residential, agricultural, monitoring, and industrial water production wells. Topics include: well site selection; casing and casing installation; screens, filter pack, and formation stabilizer; grouting; plumbness and alignment; well development; testing for performance; data recording; disinfection with chlorine; water sampling and analysis; and permanent well and test-hole decommissioning.

TIA (Telecommunications Industry Association)

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BSR/TIA 470.140-201x, Acoustic Echo Control Requirements for Analog Telephones (new standard)

Stakeholders: Analog telephone users and manufacturers.

Project Need: Create new standard.

If analog telephones exhibit delays in the acoustic path, acoustic echo control (AEC) is required to prevent far-end talker echo.

TNI (The NELAC Institute)

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BSR/SSAS V1M1-201x, General Requirements for Stationary Source Audit Sample Providers (new standard)

Stakeholders: Stationary-source sampling and testing organizations, governmental and non-governmental accreditation bodies, environmental laboratories, data users, regulatory agencies.

Project Need: TNI already has a version of this standard, but it is not designated an American National Standard. The current version was finalized in 2014 and is in need of updating.

The standard will address the needs of stationary source sampling and testing organizations, will address some issues that have arisen in the TNI program, and also will provide better clarification of program requirements.

BSR/SSAS V1M3-201x, General Requirements for Participation in the NELAC Institute Stationary Source Audit Sample Program (new standard)

Stakeholders: Stationary-source sampling and testing organizations, governmental and non-governmental accreditation bodies, environmental laboratories, data users, regulatory agencies.

Project Need: TNI already has a version of this standard, but it is not designated an American National Standard. The current version was finalized in 2014 and is in need of updating.

The standard will address the needs of stationary source sampling and testing organizations, will address some issues that have arisen in the existing program and also provide better clarification of program requirements.

UL (Underwriters Laboratories, Inc.)

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BSR/UL 60320-3-201x, Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Gauges (national adoption with modifications of IEC 60320-3)

Stakeholders: Appliance manufacturers, appliance component manufacturers.

Project Need: Adoption of IEC 60320-3, a new standard published in the 60320 family of standards, as new requirements developed from the Part 1 document to address standard sheets and gauges.

This part of the IEC 60320 sets the dimensions for appliance couplers for two poles and two poles with earth contact for the connection of electrical devices for household and similar onto the mains supply and for the interconnection of the electrical supply to appliance or equipment and dimensions for gauges.

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)
- AARST (The AARST Consortium on National Radon Standards)
- AGA (American Gas Association)
- AGSC-AGRSS (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HI (Home Innovation)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- 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.

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<p>AAMI Association for the Advancement of Medical Instrumentation 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASPE American Society of Plumbing Engineers 6400 Shafer Court Suite 350 Rosemont, IL 60018 Phone: (847) 296-0002 Fax: (847) 296-2963 Web: www.aspe.org</p>	<p>EMAP Emergency Management Accreditation Program 201 Park Washington Court Falls Church, VA 22046-4527 Phone: (859) 244-8242 Web: www.emap.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005 Phone: (202) 626-5737 Web: www.incits.org</p>
<p>APA APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Fax: (253) 565-7265 Web: www.apawood.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>FM FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062 Phone: (781) 255-4813 Fax: (781) 762-9375 Web: www.fmglobal.com</p>	<p>MedBiq MedBiquitous Consortium 5801 Smith Avenue Davis 3110C Baltimore, MD 21209 Phone: (410) 735-6142 Fax: (410) 735-4660 Web: www.medbiq.org</p>
<p>ASA (ASC S12) Acoustical Society of America 1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>ATSIP Association of Transportation Safety Information Professionals 1213 Stringtown Road Grove City, OH 43123-8910 Phone: (614) 539-4100 Web: www.atsip.org</p>	<p>HI Hydraulic Institute 6 Campus Drive Parsippany, NJ 07054 Phone: (862) 217-2441 Web: www.pumps.org</p>	<p>MSS Manufacturers Standardization Society 127 Park Street, NE Vienna, VA 22180-4602 Phone: (703) 281-6613 Fax: (703) 281-6671 Web: www.mss-hq.org</p>
<p>ASA (ASC S2) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWS American Welding Society 8669 NW 36th Street # 130 Miami, FL 33166 Phone: (305) 443-9353, x 301 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>IAPMO International Association of Plumbing & Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761 Phone: (909) 230-5534 Web: www.iapmo.org</p>	<p>NEMA (Canvass) National Electrical Manufacturers Association 1300 N 17th Street, Suite 900 Arlington, VA 22209 Phone: (703) 841-3238 Web: www.nema.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>ICC International Code Council 4051 West Flossmoor Road Country Club Hills, IL 60478-5795 Phone: (888) 422-7233 Fax: (708) 799-0320 Web: www.iccsafe.org</p>	<p>NGWA National Ground Water Association 601 Dempsey Rd Westerville, OH 43081 Phone: (800) 551-7379 Fax: (614) 898-7786 Web: www.ngwa.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle NE Atlanta, GA 30329 Phone: (678) 539-1111 Fax: (678) 539-2111 Web: www.ashrae.org</p>	<p>BHMA Builders Hardware Manufacturers Association 355 Lexington Avenue 15th Floor New York, NY 10017 Phone: (212) 297-2126 Fax: (212) 370-9047 Web: www.buildershardware.com</p>	<p>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</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-3817 Fax: (734) 827-7875 Web: www.nsf.org</p>

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Announcement of Proposed Procedural Revisions Comment Deadline: August 28, 2017

Comments with regard to these proposed revisions should be submitted to psa@ansi.org.

Public comments received in connection with these proposed revisions will be made available to the public in the ANSI Online public library (<https://share.ansi.org/default.aspx>) one week after the close of the comment deadline. The ANSI Executive Standards Council (ExSC) will consider all public comments received by the comment deadline at its next regularly scheduled meeting. Thereafter, all commenters will be provided with a written disposition of their respective comments.

Questions should be directed to psa@ansi.org.

ExSC_055_2017 Revised

July 12, 2017

Proposed Revisions to the ANSI International Procedures
(www.ansi.org/internationalprocedures)

The proposed revisions that follow are intended to: 1) support the assignment of ISO International Secretariats to ANSI when appropriate and with the support of the affected stakeholders; and 2) update requirements applicable to an organization that wishes to serve as TAG Administrator for an ANSI-Accredited U.S. TAG to ISO or as an ISO International Secretariat.

As the U.S. member body of ISO, ANSI is ultimately responsible to ISO for the proper performance of all secretariats assigned to the United States and for the submission of votes and positions that are representative of U.S. interests. Accordingly, with respect to ISO International Secretariats, particularly in new areas of standardization or where other candidates are lacking expertise and experience, the delegation of a secretariat to ANSI should be considered when appropriate and supported by the affected stakeholders. If an ISO International Secretariat is delegated to an external organization with little or no experience, the proposed revision below would require such an organization to agree to be mentored by ANSI. In addition, it is reasonable to require that the administering staff of an organization serving as an ISO International Secretariat be a U.S. citizen (or seeking U.S. citizenship) residing in the U.S., or a U.S. citizen (or seeking U.S. citizenship) living or working abroad, or otherwise legally authorized to work in the U.S. (which would also include lawful permanent residents and individuals in the U.S. on temporary work visas). Like many activities undertaken by ANSI on behalf of stakeholders, ANSI would expect that the costs associated with the acceptance of an ISO International Secretariat will be borne by the participating stakeholders.

As well, as the role of an ANSI-accredited U.S. TAG and TAG Administrator to ISO is to formulate U.S. positions for contribution into the broader ISO arena, for which interested national member bodies have distinct representation by country, it is reasonable to require that the administering staff of an organization serving as a U.S. TAG Administrator to an ISO activity, be a U.S. citizen (or seeking U.S. citizenship) residing in the U.S., or a U.S. citizen (or seeking U.S. citizenship) living or working abroad, or otherwise legally authorized to work in the U.S. (which would also include lawful permanent residents and individuals in the U.S. on temporary work visas).

In all cases, the relevant procedural compliance requirements established in the *ANSI International Procedures* apply to any organization serving as an ISO International Secretariat or an ANSI-Accredited U.S. TAG Administrator to an ISO activity, regardless of whether those roles are fulfilled by ANSI or delegated to an external organization.

ANSI management note: If approved, these revisions will be included in the current ISO International Secretariat MoUs, as well as the new MoU for U.S. TAG Administrators to ANSI-accredited U.S. TAGs to ISO that will be implemented by ANSI management in 2018 and will cover the terms and conditions for administering organizations.

Please submit comments on the proposed revisions that follow, to psa@ansi.org by August 28, 2017.

1.5 Acceptance of ISO Committee Secretariats

1.5.1 General. The secretariat of an ISO technical committee is appointed by the ISO Technical Management Board from among the P-member countries of the technical committee. The secretariat of an ISO subcommittee is appointed by the parent technical committee from among the P-members of the subcommittee if there is a single applicant. The secretariat of an ISO project committee is assigned to the national body that submitted the proposal. If the proposal did not originate from a national body, then the ISO Technical Management Board selects from among the offers received.

In all other cases, the ISO Technical Management Board makes the appointment. When ANSI registers as a P-member of a newly created committee or of a committee whose secretariat is being reallocated, it may offer to undertake the secretariat.

1.5.2 Ultimate Responsibility. As the U.S. member body of ISO, ANSI is ultimately responsible to ISO for the proper performance of all secretariats assigned to the United States. Accordingly, before a secretariat is assigned, the delegation of a secretariat to ANSI should be considered when appropriate and supported by the affected stakeholders. ~~This responsibility exists where ANSI has delegated the administration of a secretariat to an external organization as well as where a secretariat is directly administered by ANSI.~~ Any offer to undertake a secretariat in the U.S. shall only be issued by ANSI.

1.5.3 Tentative Offers to Accept Secretariat. To the extent feasible, ANSI will engage in discussions with relevant U.S. stakeholders prior to any international meeting at which the availability of a secretariat is expected to be made known. Informed by such a discussion, ~~t~~The U.S. Head of Delegation to a meeting of an ISO committee may make an offer to accept a secretariat. In such cases, the Head of Delegation shall clearly state that the offer is subject to confirmation by ANSI. Immediately following any meeting at which such a tentative offer has been made, the Head of Delegation shall notify ANSI and the U.S. TAG of the offer and ensure that a written request to undertake the secretariat is submitted in accordance with 1.5.4.

1.5.4 Requests for Acceptance or Retention of Secretariats. The AIC shall make all decisions concerning the acceptance, transfer or relinquishment of the secretariat of ISO committees. The AIC will assign the secretariat to ANSI or to an external organization, taking into account the support of the affected stakeholders. The AIC shall consider any written request to undertake the secretariat of a new or existing ISO committee or to retain the secretariat of an ISO committee. For consultative purposes, such requests shall be provided to the responsible U.S. TAG, where one exists, and a notice shall be placed in ANSI's *Standards Action* and other appropriate publications. Such requests shall indicate the willingness of ANSI or the sponsoring an external organization to provide professional and financial resources to support the secretariat function. Such requests shall include the basis for the recommendation ~~as to whether that~~ the proposed U.S. secretariat should be administered by ANSI or by another organization on behalf of ANSI in accordance with section 1.5.5.2 or 1.5.5.3, as applicable. Such requests shall also address the four points listed below and provide supporting documentation when appropriate. If no U.S. TAG exists, the request should also include a commitment to establish a U.S. TAG in accordance with these procedures.

When considering such requests, ~~ANSI~~ the AIC shall be guided by the following criteria:

1. Documented evidence of strong U.S. interest on the part of materially affected parties

2. Evidence that affected and interested ANSI members support the commitment and if appropriate, support the recommendation of ANSI to serve as secretariat
3. Availability of a minimum three year financial and technical commitment to support the activity
4. Availability of competent staff and administrative resources to administer the secretariat, including an agreement to complete mandatory training offered by ANSI to support compliance with ISO and ANSI procedures governing the administration of the international secretariat

1.5.5 Delegation of Administration of Secretariats to ISO Committees. The AIC shall make all decisions concerning the assignment of the administration of secretariats, including the granting, continuance, transfer or withdrawal of such assignments to ANSI or external organizations ~~or to ANSI.~~

1.5.5.1 Decision by ANSI ISO Council (AIC). In determining the assignment or transfer of administration of a secretariat, the AIC, in consultation with relevant ANSI leadership, shall follow the guiding principle that assignment or delegation shall be made to ANSI if supported by the affected stakeholders or if not, then to an external organization based on industry-support by the affected stakeholders and feasibility, pursuant to the criteria in 1.5.5.2 and 1.5.5.3, respectively.

Any decision of the AIC pursuant to section 1.5.4 or 1.5.5 shall be announced in ANSI's *Standards Action*. Any directly and materially affected interest may appeal the decision of the AIC in accordance with section 3. The appeal shall be filed in writing with the Secretary of the AIC within 15 working days of the announcement of the action by the AIC in *Standards Action*.

If more than one organization is interested in administering a secretariat, the AIC shall base its decision on all relevant information provided.

1.5.5.2 Assignment of a Secretariat to ANSI. Any request that the assignment of the administration of a secretariat be assumed by ANSI ~~accept a secretariat~~ shall demonstrate that the following criteria are met: 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, ~~and:~~

1. The affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function;
2. The relevant U.S. TAG has been consulted with regard to ANSI's potential role as secretariat; ~~and~~
3. ANSI is able to fulfill the requirements of a secretariat; and-
- ~~3.4.~~ The affected stakeholders have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the secretariat.

1.5.5.3 Delegation of a Secretariat to an External Organization. Any request that the assignment of the administration of a secretariat be delegated to an external organization, rather than ANSI, shall demonstrate that the following criteria are met:

1. Evidence of a strong U.S. materially affected party interested in holding the secretariat has been documented and the relevant U.S. TAG has been consulted with regard to the external organization's potential role as secretariat.
2. The external organization is a member of ANSI and has committed to encourage its members to join ANSI.
3. The external organization has sufficient documented technical and administrative competence.
- ~~3.4.~~ The external organization has sufficient experience in administering a secretariat on behalf of ANSI or agrees to be mentored by ANSI, to ANSI's satisfaction, to ensure that they are properly trained to carry out their responsibilities.

- 4.5. Evidence of support for the external organization seeking to hold the secretariat by members of ANSI impacted by the standards area for which the secretariat is sought has been documented.
- 5.6. The external organization has made a financial commitment for not less than three years covering the costs associated with holding the secretariat, including the defined costs incurred by ANSI for administrative support and oversight of the delegated secretariat.
- 6.7. The external organization agrees that, should it be unable to continue to serve, it will provide fifteen (15) months prior written notice to ANSI of its intent to relinquish.
- 7.8. The external organization has agreed to comply with the requirements associated with ANSI oversight of the activities of all parties holding secretariats in accordance with 1.6.
- 8.9. The external organization has committed in writing to comply with all applicable rules, regulations and policies of ANSI and ISO.
10. The external organization has agreed to complete mandatory training offered by ANSI to support compliance with ISO and ANSI procedures governing the administration of the international secretariat.
- 9.11. The external organization has agreed that the person(s) administering the Secretariat shall be a U.S. citizen (or seeking U.S. citizenship) residing in the U.S., or a U.S. citizen (or seeking U.S. citizenship) living or working abroad, or otherwise legally authorized to work in the U.S. (which would also include lawful permanent residents and individuals in the U.S. on temporary work visas).
- 10.12. A mutually acceptable written agreement between ANSI and the external organization concerning the terms and conditions of the secretariat assignment has been executed, providing, in part, that the external organization shall not assign or delegate any of its responsibilities to a third party without the prior approval of ANSI and, as appropriate, the AIC.

Additionally, in the case where no U.S. TAG exists, the external organization shall notify ANSI if it intends to apply to the ExSC for approval as the TAG Administrator.

1.6 ANSI Oversight of U.S. Secretariats to ISO Committees

Secretariats are required to follow ISO rules and procedures, maintain close liaison with the ISO Central Secretariat, and to meet certain ISO reporting requirements, including an annual report. Since U.S. secretariats act on behalf of ANSI, and ANSI is ultimately responsible to ISO for the performance of U.S. secretariats, it is necessary that ANSI maintain oversight of U.S. secretariats. Such oversight shall apply both to secretariats held by external organizations pursuant to delegation and to secretariats administered by ANSI itself.

Oversight shall consist of the following elements, designed to demonstrate appropriate performance and to ensure that liabilities are not created for ANSI, while minimizing the burden on secretariats.

1.6.1 Annual Report. An annual report, in summary narrative form, to be submitted to ANSI not later than January 31 of the following year, shall be prepared by each secretariat documenting its activity during the past year. In satisfying this requirement, any relevant reports sent to ISO may be incorporated or appended. It shall include, at a minimum, an expressed certification by the secretariat that it has been and continues to be operated in a manner that complies with all ISO directives and applicable ANSI procedures that have been communicated to it.

1.6.2 Complaint Notification. Each secretariat shall forward to ANSI, upon receipt, a copy of any formal complaint concerning the manner in which the secretariat function is being administered. Copies of the secretariat response to the party lodging the complaint, and all subsequent related correspondence, shall also be sent.

1.6.3 ANSI Audit. An audit of each secretariat may be made ~~by representatives of ANSI~~ at selected intervals as directed by the AIC, depending upon need as indicated by routine secretariat

documentation received by ANSI. The purpose of the audit is to validate the secretariat's annual certification that it is operating according to applicable ISO directives and ANSI procedures and to identify areas where ANSI can help the secretariat improve its operation. The date and time of such audit shall follow reasonable notice and be agreed to by ~~ANSI~~ the auditor and the secretariat. During the audit the secretariat shall make such records available as needed including a copy of applicable procedures and arrange for someone to be available who is knowledgeable about the secretariat operations. The cost of the audit shall be borne by the secretariat.

Following each audit, a report shall be prepared by the ~~ANSI~~ auditor documenting their findings, and recommendations, if any. A copy of the report shall be provided to the involved secretariat for review, and the report and any secretariat comment shall be submitted to the AIC. The AIC shall take whatever action it deems appropriate, based upon the report, and any final AIC action may be appealed to the ANSI Appeals Board.

1.7 Transfer or Relinquishment of a U.S. Held Secretariat

ANSI staff and the AIC shall consider problems related to ANSI-held ISO secretariats and ANSI shall review such problems with the affected stakeholders to try to resolve them. If ANSI or an external organization serving as secretariat is unable to continue serving in that capacity or if ANSI determines that a transfer of responsibility is in the best interest of the U.S., an announcement shall be made in *Standards Action* and the following actions will be considered:

1. Transfer the secretariat to ANSI or another external organization in accordance with section 1.5.5
2. Relinquish the secretariat

In the event that the external organization is unable to continue serving as secretariat, the external organization shall provide notice of its intent to relinquish, giving fifteen (15) months prior written notice to ANSI.

2.5.2 Criteria for Accreditation. U.S. TAG accreditation shall be based on compliance with the following criteria:

1. The U.S. TAG Administrator shall agree to comply with the criteria for balance and openness as outlined in sections B4.1 and B4.2 of the *ANSI Criteria for the Development and Coordination of U.S. Positions in the International Standardization Activities of the ISO and IEC* (see Annex B)
2. The U.S. TAG operating procedures for developing and coordinating U.S. positions shall conform to the requirements of the *ANSI Criteria for the Development and Coordination of U.S. Positions in the International Standardization Activities of the ISO and IEC* (see Annex B)
3. The U.S. TAG Administrator shall agree to assume the functions given in section 2.3.3
4. The U.S. TAG Administrator shall agree to pay to ANSI all relevant fees
- 4.5. The U.S. TAG Administrator shall agree that the person(s) serving as the administrator of the TAG shall be a U.S. citizen (or seeking U.S. citizenship) residing in the U.S., or a U.S. citizen (or seeking U.S. citizenship) living or working abroad, or otherwise legally authorized to work in the U.S. (which would also include lawful permanent residents and individuals in the U.S. on temporary work visas).



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 19488, Acoustics - Acoustic classification of dwellings - 10/7/2017, \$67.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 20930, Space systems - Calibration requirements for satellite-based passive microwave sensors - 10/7/2017, \$88.00

BIOTECHNOLOGY (TC 276)

ISO/DIS 20387, Biotechnology - Biobanking - General requirements for biobanking - 8/12/2017, \$98.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 6182-8, Fire protection - Automatic sprinkler systems - Part 8: Requirements and test methods for pre-action dry alarm valves - 8/9/2017, \$82.00

FREIGHT CONTAINERS (TC 104)

ISO/DIS 1496-5, Series 1 freight containers - Specification and testing - Part 5: Platform and platform-based containers - 8/12/2017, \$98.00

GAS CYLINDERS (TC 58)

ISO 17871/DAMd1, Gas cylinders - Quick-release cylinder valves - Specification and type testing - Amendment 1: Gas cylinders - Quick-release cylinder valves - Specification and type testing - Amendment - 8/12/2017, \$29.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 12123, Optics and photonics - Specification of raw optical glass - 8/10/2017, \$82.00

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

ISO/DIS 11296-1, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General - 8/9/2017, \$67.00

ISO/DIS 11296-3, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes - 8/4/2017, \$71.00

ISO/DIS 11297-1, Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 1: General - 8/9/2017, \$71.00

ISO/DIS 11297-3, Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 3: Lining with close-fit pipes - 8/9/2017, \$71.00

ISO/DIS 11298-1, Plastics piping systems for renovation of underground water supply networks - Part 1: General - 8/9/2017, \$71.00

ISO/DIS 11298-3, Plastics piping systems for renovation of underground water supply networks - Part 3: Lining with close-fit pipes - 8/9/2017, \$67.00

SECURITY (TC 292)

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

ISO/DIS 22327, Security and resilience - Emergency management - Guidelines for implementation of a community-based landslide early warning system - 10/5/2017, \$67.00

STEEL (TC 17)

ISO/DIS 18632, Alloyed steel - Determination of manganese - Potentiometric and visual titration method - 8/10/2017, \$62.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 13084, Surface chemical analysis - Secondary-ion mass spectrometry - Calibration of the mass scale for a time-of-flight secondary-ion mass spectrometer - 8/9/2017, \$67.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 7210, Routine analytical cigarette-smoking machine - Additional test methods for machine verification - 10/5/2017, \$53.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 20493, Traditional Chinese medicine - Infrared moxibustion-like instrument - 8/13/2017, \$46.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 7867-1, Metric series for agricultural, forestry machines and construction tyres - Part 1: Tyre designation, dimensions and marking, and tyre/rim coordination - 8/9/2017, \$119.00

ISO/DIS 7867-2, Metric series for agricultural, forestry machines and construction tyres - Part 2: Load ratings for agricultural tyres - 8/9/2017, \$98.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 15620, Welding - Friction welding of metallic materials - 10/5/2017, \$107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14888-3/DAMd1, Information technology - Security techniques - Digital signatures with appendix - Part 3: Discrete logarithm based mechanisms - Amendment 1: SM2 digital signature mechanism - 8/12/2017, \$88.00

ISO/IEC 23000-19/DAMd1, Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: SHVC media profile and additional audio media profiles - 8/9/2017, \$67.00

ISO/IEC DIS 19086-2, Information technology - Cloud computing - Service level agreement (SLA) framework - Part 2: Metric model - 8/9/2017, \$112.00

ISO/IEC/IEEE DIS 24748-2, Systems and software engineering - Life cycle management - Part 2: Guidelines to the application of ISO/IEC/IEEE 15288 (System life cycle processes) - 8/13/2017, \$125.00

IEC Standards

14/911/CDV, IEC 60076-11 ED2: Power transformers - Part 11: Dry-type transformers, /2017/10/1

15/805/CD, IEC 60455-3-8 ED2: Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 8: Resins for cable accessories, /2017/10/1

57/1888/CDV, IEC 62325-451-6 ED2: Framework for energy market communications - Part 451-6: Publication of information on market, contextual and assembly models for European style market, /2017/10/1

59L/147/NP, PNW 59L-147: Electrically operated toothbrushes - Method for measuring performance, /2017/10/1

76/576/CD, IEC 60825-2 ED4: Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCS), 2017/9/15

82/1317/NP, PNW 82-1317: Terrestrial photovoltaic (PV) modules for consumer products - Design qualification and type approval, /2017/10/1

82/1319/DTR, IEC TR 63149 ED1: Mathematic models and calculation examples for land usage of PV farms, 2017/9/15

82/1318/CD, IEC 63027 ED1: DC arc detection and interruption in photovoltaic power systems, /2017/10/1

86A/1813/FDIS, IEC 60794-1-22 ED2: Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods, 017/9/1/

86A/1818/CD, IEC 60793-2-50 ED6: Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres, /2017/10/1

86A/1820/CD, IEC 60793-1-32 ED3: Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability, /2017/10/1

86A/1821/NP, PNW 86A-1821: Optical fibre cables - Part 1-202: Generic specification - Basic optical cable test procedures - Material compatibility test, 2017/9/15

87/662/CD, IEC 60050-801/AMD1 ED2: Amendment 1 - International Electrotechnical Vocabulary- Chapter 801: Acoustics and electroacoustics, Section 32 - Underwater acoustics, /2017/10/1

89/1367/CD, IEC TS 60695-2-14/Ed1: Fire hazard testing - Part 2-14: Glowing/hot-wire based test methods - Glow-wire ignition temperature test method for end products (GWITEP), 2017/9/15

100/2967/CD, IEC 61937-5/AMD1 ED2: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s), /2017/10/1

110/894/CD, IEC 62908-12-20 ED1: Touch and interactive displays - Part 12-20: Measuring methods of touch displays - Multi-touch performance, 2017/9/15

113/372/CD, IEC 62607-4-7 ED1: Nanomanufacturing - Key control characteristics - Part 4-7: Anode nanomaterials for nano-enabled electrical energy storage - Determination of magnetic impurities, ICP-OES method, /2017/10/1

118/77/CD, IEC TS 62939-2 ED1: Smart grid user interface - Part 2: Architecture and requirements, /2017/10/1

119/170/CDV, IEC 62899-403-1 ED1: Printed Electronics - Part 403-1: Printability - Requirements for reproducibility - Basic patterns for evaluation of printing machine, /2017/10/1

119/171/CDV, IEC 62899-303-1 ED1: Printed Electronics - Part 303-1: Equipment - Roll-to-roll printing - Mechanical dimensions, /2017/10/1

JTC1-SC41/8/NP, PNW JTC1-SC41-8: Information technology - Internet of Things (IoT) - Interoperability for Internet of Things Systems - Part 2: Network connectivity, 2017/9/15

JTC1-SC41/9/NP, PNW JTC1-SC41-9: Information technology - Internet of Things (IoT) - Interoperability for Internet of Things Systems - Part 3: Semantic interoperability, 2017/9/15



Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

[ISO 12354-1:2017](#), Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 1: Airborne sound insulation between rooms, \$232.00

[ISO 12354-2:2017](#), Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms, \$185.00

[ISO 12354-3:2017](#), Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 3: Airborne sound insulation against outdoor sound, \$162.00

[ISO 12354-4:2017](#), Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 4: Transmission of indoor sound to the outside, \$138.00

ADDITIVE MANUFACTURING (TC 261)

[ISO/ASTM 52901:2017](#), Additive manufacturing - General principles - Requirements for purchased AM parts, \$68.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 6658:2017](#), Sensory analysis - Methodology - General guidance, \$138.00

[ISO 8588:2017](#), Sensory analysis - Methodology - A - not A test, \$103.00

[ISO 13722:2017](#), Microbiology of the food chain - Enumeration of *Brochothrix* spp. - Colony-count technique, \$68.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7165:2017](#), Fire fighting - Portable fire extinguishers - Performance and construction, \$209.00

[ISO 11601:2017](#), Fire fighting - Wheeled fire extinguishers - Performance and construction, \$185.00

GAS CYLINDERS (TC 58)

[ISO 10156:2017](#), Gas cylinders - Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets, \$162.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 13781:2017](#), Implants for surgery - Homopolymers, copolymers and blends on poly(lactide) - In vitro degradation testing, \$103.00

INTERNAL COMBUSTION ENGINES (TC 70)

[ISO 8528-7:2017](#), Reciprocating internal combustion engine driven alternating current generating sets - Part 7: Technical declarations for specification and design, \$103.00

[ISO 8528-9:2017](#), Reciprocating internal combustion engine driven alternating current generating sets - Part 9: Measurement and evaluation of mechanical vibrations, \$68.00

IRON ORES (TC 102)

[ISO 3082:2017](#), Iron ores - Sampling and sample preparation procedures, \$232.00

[ISO 10204:2017](#), Iron ores - Determination of magnesium - Flame atomic absorption spectrometric method, \$103.00

MACHINE TOOLS (TC 39)

[ISO 19085-1:2017](#), Woodworking machines - Safety - Part 1: Common requirements, \$185.00

[ISO 19085-2:2017](#), Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines, \$162.00

[ISO 19085-5:2017](#), Woodworking machines - Safety - Part 5: Dimension saws, \$185.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 20274:2017](#), Vitreous and porcelain enamels - Preparation of samples and determination of thermal expansion coefficient, \$45.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 21987:2017](#), Ophthalmic optics - Mounted spectacle lenses, \$138.00

[ISO 8980-1:2017](#), Ophthalmic optics - Uncut finished spectacle lenses - Part 1: Specifications for single-vision and multifocal lenses, \$68.00

[ISO 8980-2:2017](#), Ophthalmic optics - Uncut finished spectacle lenses - Part 2: Specifications for power-variation lenses, \$68.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 20349-1:2017](#), Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 1: Requirements and test methods for protection against risks in foundries, \$103.00

PHOTOGRAPHY (TC 42)

[ISO 18941:2017](#), Imaging materials - Colour reflection prints - Test method for ozone gas fading stability, \$138.00

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

[ISO 13761:2017](#), Plastics pipes and fittings - Pressure reduction factors for polyethylene pipeline systems for use at temperatures above 20 degrees C, \$45.00

[ISO 12176-1:2017](#), Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 1: Butt fusion, \$138.00

PROSTHETICS AND ORTHOTICS (TC 168)

[ISO 21063:2017](#), Prosthetics and orthotics - Soft orthoses - Uses, functions, classification and description, \$45.00

[ISO 21064:2017](#), Prosthetics and orthotics - Foot orthotics - Uses, functions classification and description, \$45.00

[ISO 21065:2017](#), Prosthetics and orthotics - Terms relating to the treatment and rehabilitation of persons having a lower limb amputation, \$45.00

REFRIGERATION (TC 86)

[ISO 5151:2017](#), Non-ducted air conditioners and heat pumps - Testing and rating for performance, \$209.00

[ISO 13253:2017](#), Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance, \$232.00

[ISO 15042:2017](#), Multiple split-system air conditioners and air-to-air heat pumps - Testing and rating for performance, \$232.00

ROLLING BEARINGS (TC 4)

[ISO 15:2017](#), Rolling bearings - Radial bearings - Boundary dimensions, general plan, \$138.00

SOLID MINERAL FUELS (TC 27)

[ISO 647:2017](#), Brown coals and lignites - Determination of the yields of tar, water, gas and coke residue by low temperature distillation, \$68.00

STEEL (TC 17)

[ISO 683-5:2017](#), Heat treatable steels, alloy steels and free-cutting steels - Part 5: Nitriding steels, \$138.00

TIMBER (TC 218)

[ISO 13061-15:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 15: Determination of radial and tangential swelling, \$45.00

[ISO 13061-16:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 16: Determination of volumetric swelling, \$45.00

TRADITIONAL CHINESE MEDICINE (TC 249)

[ISO 18662-1:2017](#), Traditional Chinese medicine - Vocabulary - Part 1: Chinese Materia Medica, \$45.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 24097-1:2017](#), Intelligent transport systems - Using web services (machine-machine delivery) for ITS service delivery - Part 1: Realization of interoperable web services, \$185.00

TYRES, RIMS AND VALVES (TC 31)

[ISO 18885-1:2017](#), TPMS snap-in valves - Part 1: Identification, \$45.00

WATER QUALITY (TC 147)

[ISO 5667-12:2017](#), Water quality - Sampling - Part 12: Guidance on sampling of bottom sediments from rivers, lakes and estuarine areas, \$185.00

ISO Technical Reports**BANKING AND RELATED FINANCIAL SERVICES (TC 68)**

[ISO/TR 21941:2017](#), Financial services - Third-party payment service providers, \$138.00

FIRE SAFETY (TC 92)

[ISO/TR 24679-2:2017](#), Fire safety engineering - Performance of structure in fire - Part 2: Example of an airport terminal, \$162.00

HEALTH INFORMATICS (TC 215)

[ISO/TR 20831:2017](#), Health informatics - Medication management concepts and definitions, \$138.00

ISO Technical Specifications**PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)**

[ISO/TS 12512:2017](#), Glass reinforced thermosetting plastic (GRP) pipes - Determination of initial specific ring stiffness using segment test species cut from a pipe, \$138.00

STEEL (TC 17)

[ISO/TS 7705:2017](#), Guidelines for specifying Charpy V-notch impact prescriptions in steel specifications, \$68.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 13211-1/Cor3:2017](#), Information technology - Programming languages - Prolog - Part 1: General core - Corrigendum, FREE

[ISO/IEC 19086-3:2017](#), Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements, \$103.00

[ISO/IEC/IEEE 24748-5:2017](#), Systems and software engineering - Life cycle management - Part 5: Software development planning, \$185.00

IEC Standards**ELECTRIC CABLES (TC 20)**

[IEC 60811-201 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, \$12.00

[IEC 60811-201 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, \$76.00

[IEC 60811-202 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, \$12.00

[IEC 60811-202 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, \$76.00

[IEC 60811-401 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven, \$176.00

[IEC 60811-401 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven, \$12.00

[IEC 60811-410 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors, \$76.00

[IEC 60811-410 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors, \$12.00

[IEC 60811-508 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, \$176.00

[IEC 60811-508 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, \$12.00

[IEC 60811-509 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test), \$76.00

[IEC 60811-509 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test), \$12.00

[IEC 60811-511 Ed. 1.1 b:2017](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene and polypropylene compounds, \$123.00

[IEC 60811-511 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene and polypropylene compounds, \$12.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-4-12 Ed. 3.0 b:2017](#), Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test, \$281.00

[S+ IEC 61000-4-12 Ed. 3.0 en:2017 \(Redline version\)](#), Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test, \$366.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 62351-7 Ed. 1.0 en:2017](#), Power systems management and associated information exchange - Data and communications security - Part 7: Network and System Management (NSM) data object models, \$410.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-49 Amd.2 Ed. 4.0 b:2017](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm, \$47.00

[IEC 60335-2-49 Ed. 4.2 b:2017](#), Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm, \$293.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

[IEC 61400-25-1 Ed. 2.0 b:2017](#), Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models, \$235.00

[S+ IEC 61400-25-1 Ed. 2.0 en:2017 \(Redline version\)](#), Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models, \$305.00

Proposed Foreign Government Regulations

Call for Comment

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

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

To register for Notify U.S., please visit

<http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at

<https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm>

prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit:

<https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

Errors in Project Intents

ITI (INCITS) Standards

The PINS section of the July 7, 2017 edition of Standards Action has errors in the description of the project intent for four ITI (INCITS) standards. The corrections are noted below:

INCITS/ISO/IEC 9075-2:2016 [201x]; (identical national adoption of ISO/IEC 9075-2:2016 and revision of INCITS/ISO/IEC 9075-2:2011 [2012], INCITS/ISO/IEC 9075-2:2011/Cor 1:2013[2014])

INCITS/ISO/IEC 9075-4:2016 [201x]; (identical national adoption of ISO/IEC 9075-4:2016] and revision of INCITS/ISO/IEC 9075-4:2011 [2012], INCITS/ISO/IEC 9075-4:2011/Cor 1:2013 [2014])

INCITS/ISO/IEC 9075-9:2016 [201x]; (identical national adoption of ISO/IEC 9075-9:2016 and revision of INCITS/ISO/IEC 9075-9:2008 [R2013], INCITS/ISO/IEC 9075-9-2008/Cor 1-2010 [2012])

INCITS/ISO/IEC 9075-13:2016 [201x]; (identical national adoption of ISO/IEC 9075-13:2016 and revision of INCITS/ISO/IEC 9075-13:2008 [R2013], INCITS/ISO/IEC 9075-13-2008/Cor 1-2012)

ANSI Accredited Standards Developers

Approval of Reaccreditation

Telecommunications Industry Association

The reaccreditation of the Telecommunications Industry Association, an ANSI member and Accredited Standards Developer (ASD) has been approved at the direction of ANSI's Executive Standards Council, under its recently revised TIA Procedures for American National Standards for documenting consensus on TIA-sponsored American National Standards, effective July 25, 2017. For additional information, please contact: Ms. Teesha Jenkins, Manager, Standards Secretariat Services, Telecommunications Industry Association, 1320 North Courthouse Road, Arlington, VA 22201; phone: 703.907.7706; e-mail: TJenkins@tiaonline.org.

Reaccreditation

American Dental Association (ADA)

Comment Deadline: August 28, 2017

The American Dental Association (ADA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ADA-sponsored American National Standards, under which it was last reaccredited in March 2017. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Paul Bralower, Manager, Standards, Center for Informatics & Standards, American Dental Association, 211 E. Chicago Ave., Chicago, IL 60611; phone: 312.587.4129; E-mail: bralowerp@ada.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to ADA by August 28, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (ithompso@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 256 – Pigments, dyestuffs and extenders

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 256 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 256 operates under the following scope:

Standardization in the field of colouring materials, i.e. pigments, extenders and dyestuffs, including terminology, product specifications and test methods.

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

Establishment of ISO Project Committee

ISO/PC 311 – Vulnerable consumers

A new ISO Project Committee, ISO/PC 311 – Vulnerable consumers, has been formed. The Secretariat has been assigned to the United Kingdom (BSI).

ISO/PC 311 operates under the following scope:

Standardization in the field of vulnerable consumers

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).

ISO Proposals for New Fields of ISO Technical Activity

Packaging Machinery

Comment Deadline: September 8, 2017

UNI, the ISO member body for Italy, has submitted to ISO a proposal for a new field of ISO technical activity on Packaging Machinery, with the following scope statement:

Standardization of packaging machines with reference to the aspects of terminology, classification, design and safety.

The scope of the ISO TC will be broad enough to cover the machines used to package products. These machines perform packaging functions for primary, secondary, and tertiary (transport / distribution) packaging. Associated equipment are included.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, September 8, 2017.

Social Responsibility

Comment Deadline: August 25, 2017

SIS, the ISO member body for Sweden, has submitted to ISO a proposal for a new field of ISO technical activity on Social Responsibility, with the following scope statement:

Standardization in the field of social responsibility, as defined in ISO 26000:

Social responsibility

responsibility of an organization for the impacts of its decisions and activities on society and the environment, through transparent and ethical behavior that

- contributes to sustainable development, including health and the welfare of society;
- takes into account the expectations of stakeholders;
- is in compliance with applicable law and consistent with international norms of behavior; and
- is integrated throughout the organization and practiced in its relationships.

Excluded: areas that are dealt with by other technical committees

NOTE: This TC will only develop ISO deliverables in areas that are outside the scope of other existing ISO Technical Committees. Therefore, the main focus areas are general methods for social responsibility management, Human Rights, Fair Operating Practices, Consumer issues, Sustainable Consumption, and Community Involvement and Development.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 25, 2017.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO PC 310, Wheeled Child Conveyances

Comment Deadline: August 28, 2017

ASTM International has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO PC 310, Wheeled child conveyances and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Mr. Len Morrissey, MPA, Director, Technical Committee Operations Division, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428; phone: 610.832.9719; e-mail: lmorriss@astm.org (please copy jthompso@ansi.org) by August 28, 2017.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 269 – *Railway Applications* and Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 269, ISO/TC 269/SC 1, ISO/TC 269/SC 2 and ISO/TC 269/SC 3 and therefore ANSI is not a member of these committees. The international standardization efforts are being led at present by Germany alongside 21 other countries such as France, the UK, Russia, China, and Sweden.

ISO/TC 269 – *Railway applications* operates under the following scope:

Standardization of all systems, products and services specifically related to the railway sector, including design, manufacture, construction, operation, and maintenance of parts and equipment, methods and technology, interfaces between infrastructure, vehicles and the environment, excluding those electrotechnical and electronic products and services for railways which are within the scope of IEC/TC 9.

ISO/TC 269/SC 1 – *Infrastructure* operates under the following scope:

Standardization in the field of railway infrastructure, including areas such as railway tracks, platforms, stations and shunting yards, as well as railway specific needs for tunnels, bridges and other civil works, and addressing: design, construction and installation requirements, testing and conformity assessment of ground equipment as well as maintenance criteria for their entire life cycle.

ISO/TC 269/SC 2 – *Rolling stocks* operates under the following scope:

Standardization in the field of railway rolling stock products, equipment and systems, including areas such as locomotives, passenger cars, freight wagons, on track machines, multiple units, underground and light rail vehicles, and addressing: design, manufacture and installation requirements, testing and conformity assessment of on-board equipment and rolling stock as well as maintenance criteria for their entire life cycle.

ISO/TC 269/SC 3 – *Operations and services* operates under the following scope:

Standardization of requirements and guidance relating to operations and services in the railway system and related equipment, which are required in and between railway stakeholders as well as at the technical interfaces between railway operators and railway users such as passengers and shippers in order to realize safe, reliable, convenient and sustainable railway transport.

A recent proposal in ISO/TC 269 was recently circulated that may garner more US interest. A recent proposal for a standard has been initiated titled, "*Railway applications -- Guidelines for planning of operational concepts for earthquake events*". The proposed scope of this particular project is as follows:

This document specifies the planning method for operational concepts, which consist of procedures and basic requirements for train operation, in order to reduce customer and railway operator risk due to earthquake occurrence.

This document defines the principles of planning for five stages of train operation in the occurrence of an earthquake. Moreover, this document addresses the guidelines for planning of operational concepts for setting of the operational procedures in five stages, which consist of:

- 1. detection of earthquake*
- 2. judgement for operational restriction*
- 3. operational restriction*
- 4. inspection*
- 5. resumption of operational service and describing factors, elements, and/or conditions on which these procedures are based, and also for indicating the basic requirements of the functions necessary for the implementation of the above procedures in practice.*

The operational procedures for the five stages, will be underpinned by fundamental planning activities which support all stages. This document includes only operational measures (active measures) and excludes any infrastructure measures (passive measures). Furthermore, this document does not include specific measures which ensure, without failure, passenger safety or provide protection against train-operational damage caused by earthquakes, and therefore residual risk may remain. Application of this document complies with the specific laws or decrees applicable within the prevailing environment where the targeted railway is located.

If you are interested in learning more about the ISO/TC 269 and how to become involved, please write to kcalifra@ansi.org for more information.



**BSR/ASHRAE/IES Addendum L
to ANSI/ASHRAE/IES Standard 90.1-2016**

Public Review Draft
**Proposed Addendum L to Standard
90.1-2016, *Energy Standard for
Buildings Except Low-Rise
Residential Buildings***

**First Public Review (July 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

BSR/ASHRAE/IES Addendum L to ANSI/ASHRAE/IES Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

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

FOREWORD

When Systems 12 and 13 were added to Appendix G in the 2013 Standard, the calculation for fan brake horsepower was omitted from Table G3.1.2.9. This addendum fixes that by making the brake horsepower calculation for systems 12 and 13 consistent with that of other single zone constant volume systems in Appendix G. This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

Note: *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 L to 90.1-2016

Revise the Standard as follows (IP Units)

Table G3.1.2.9 Baseline Fan Brake Horsepower

Baseline Fan Motor Brake Horsepower		
Constant-Volume Systems 3, 4 , <u>12</u> , and <u>13</u>	Variable-Volume Systems 5 to 8	Variable-Volume System 11
$CFM_s \times 0.00094 + A$	$CFM_s \times 0.0013 + A$	$CFM_s \times 0.00062 + A$

Notes:

- Where A is calculated according to Section 6.5.3.1.1 using the pressure-drop adjustment from the proposed design and the design flow rate of the baseline building system.
- Do not include pressure-drop adjustments for evaporative coolers or heat recovery devices that are not required in the baseline building system by Section G3.1.2.10.

BSR/ASHRAE/IES Addendum L to ANSI/ASHRAE/IES Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
 First Public Review Draft

Revise the Standard as follows (SI Units)

Table G3.1.2.9 Baseline Fan Motor Power

Baseline Fan Motor Power		
Constant-Volume Systems 3, 4 , <u>12</u> , <u>and 13</u>	Variable-Volume Systems 5 to 8	Variable-Volume System 11
$kW_i = L_s \times 0.0015 + A$	$kW_i = L_s \times 0.0021 + A$	$L_s \times 0.001 + A$

Notes:

1. Where A is calculated according to Section 6.5.3.1.1 using the pressure-drop adjustment from the proposed design and the design flow rate of the baseline building system.
2. Do not include pressure-drop adjustments for evaporative coolers or heat recovery devices that are not required in the baseline building system by Section G3.1.2.10.



**BSR/ASHRAE/IES Addendum M
to ANSI/ASHRAE/IES Standard 90.1-2016**

Public Review Draft

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

**First Public Review (July 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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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

When Addendum M to Standard 90.1-2013 was developed it set baseline requirements in Appendix G approximately equal to the stringency of the 2004 Standard. Rules for modelling infiltration were developed in parallel to Addendum M and included proposed building infiltration at 0.4 cfm/ft² of the building envelope at a fixed building pressure differential of 0.3 in. of water. However the strategy of setting baseline requirements at the 2004 level was omitted and baseline infiltration was set same as the proposed building. This proposed change addresses that oversight by adding a requirement that the baseline include infiltration at 0.8 cfm/ft² greater than that assumed for a building compliant with the 2013 Standard. This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

Note: 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 M to 90.1-2016

Revise the Standard as follows (IP and SI Units) Revise the Standard as follows (IP and SI Units)

Table G3.1 Modeling Requirements for Calculating Proposed and Baseline Building Performance

No.	Proposed Building Performance	Baseline Building Performance
5. Building Envelope (contd.)	<p>b. <i>Infiltration</i> shall be modeled using the same methodology, air leakage rate, and adjustments for weather and <i>building</i> operation in both the <i>proposed design</i> and the <i>baseline building design</i>. These adjustments shall be made for each simulation time step and must account for but not be limited to weather conditions and <i>HVAC system</i> operation, including strategies that are intended to positively pressurize the <i>building</i>. The air leakage rate of the <i>building envelope</i> (175Pa) at a <i>fixed building</i> pressure differential of 0.3 in. of water shall be 0.4 cfm/ft². The air leakage rate of the <i>building envelope</i> shall be converted to appropriate units for the <i>simulation program</i> using one of the methods in Section G3.1.1.4.</p> <p>Exception: When whole-<i>building</i> air leakage testing, in accordance with ASTM E779, is specified during design and completed after <i>construction</i>, the <i>proposed design</i> air leakage rate of the <i>building envelope</i> shall be as measured.</p>	<p>....</p> <p><u>h. The air leakage rate of the <i>building envelope</i> (175Pa) at a <i>fixed building</i> pressure differential of 0.3 in. (75 Pa) of water shall be 1.2 cfm/ft². (6.1 L/s-m^2)</u></p>



**BSR/ASHRAE/IES Addendum N
to ANSI/ASHRAE/IES Standard 90.1-2016**

Public Review Draft
Proposed Addendum N to Standard
90.1-2016, *Energy Standard for*
Buildings Except Low-Rise
Residential Buildings

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FOREWORD

This addendum deletes (or modifies the terminology of) obsolete definitions that are no longer in use or necessary in ASHRAE 90.1. This addendum does not affect the energy use of the standard and has no economic impact.

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Addendum N to 90.1-2016

Revise the Standard as follows (IP and SI Units) Revise the Standard as follows (IP and SI Units)

SECTION 3.2 Definitions

~~**building exit:** any doorway, set of doors, or other form of portal that is ordinarily used only for emergency egress or convenience exit.~~

~~**building grounds lighting:** lighting provided through a building's electrical service for parking lot, site, roadway, pedestrian pathway, loading dock, or security applications.~~

~~**conductance:** see *thermal conductance*.~~

~~**cooling design wet-bulb temperature:** the mean coincident outdoor wet-bulb temperature utilized in conjunction with the cooling design dry-bulb temperature, often used for the sizing of cooling systems.~~

~~**gross building envelope floor area:** the gross floor area of the building envelope, but excluding slab-on-grade floors.~~

~~**gross semiheated floor area:** the gross floor area of semiheated spaces.~~

~~**multilevel occupancy sensor:** an occupancy sensor having an automatic OFF function that turns off all the lights, and either an automatic or a manually controlled ON function capable of activating between 30% and 70% of the lighting power. After that event occurs, the device shall be capable of all of the following actions when manually called to do so by the occupant:~~

- ~~a. Activating alternate sets of lights~~
- ~~b. Activating 100% of the lighting power~~
- ~~c. Deactivating all lights~~

BSR/ASHRAE/IES Addendum N to ANSI/ASHRAE/IES Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
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~~***multiscene control:*** a lighting control device or system that allows for two or more pre-defined lighting settings, in addition to all off, for two or more groups of luminaires to suit multiple activities in the space, and allows the automatic recall of those settings.~~

~~***nonrenewable energy:*** energy derived from a fossil fuel source.~~

~~***sensible cooling panel:*** a panel designed for sensible cooling of an indoor space through heat transfer to the thermally effective panel surfaces from the occupants and/or indoor space by thermal radiation and natural~~

~~***liquid-immersed transformer:*** a transformer in which the core and coils are immersed in an insulating liquid.~~

~~***unitary air conditioners cooling equipment:*** one or more factory-made assemblies that normally include an evaporator or cooling coil and a compressor and condenser combination. Units that perform a heating function are also included.~~



**BSR/ASHRAE/IES Addendum P
to ANSI/ASHRAE/IES Standard 90.1-2016**

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FOREWORD

In 2016, ASHRAE 90.1 established for the first time a product class for Indoor Pool Dehumidifiers (IPD) by requiring minimum energy efficiency standards at rating conditions specified in AHRI Standard 910 (I-P). Subsequently, SSPC 90.1 received a Request for Interpretation seeking clarification about footnote “a” of Table 6.8.1-14. The SSPC issued an Interpretation on January 30, 2017, in which it indicated that further clarification will be provided soon. This addendum removes footnote “a” and clarifies that single package indoor pool dehumidifiers are subject to rating conditions A and C only. This addendum is a clarification, does not affect the energy use of the standard, and has no economic impact

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Addendum L to 90.1-2016

Revise the Standard as follows (IP and SI Units)

Table 6.8.1-14 Vapor Compression Based Indoor Pool Dehumidifiers—Minimum Efficiency Requirements

Equipment Type	Subcategory or Rating Condition	Minimum Efficiency	Test Procedure
Single package indoor ^a (with or without economizer)	Rating Conditions: A, B , or C	3.5 MRE	AHRI 910
Single package indoor water-cooled (with or without economizer)	<u>Rating Conditions: A, B, or C</u>	3.5 MRE	
Single package indoor air-cooled (with or without economizer)	<u>Rating Conditions: A, B, or C</u>	3.5 MRE	
Split system indoor air-cooled (with or without economizer)	<u>Rating Conditions: A, B, or C</u>	3.5 MRE	

a. Units without air-cooled condenser.



**BSR/ASHRAE/IES Addendum R
to ANSI/ASHRAE/IES Standard 90.1-2016**

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FOREWORD

This addendum specifies the air economizer control type for Appendix G. This addendum is a clarification, does not affect the energy use of the standard, and has no economic impact.

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Addendum R to 90.1-2016

Revise the Standard as follows (IP and SI Units) Revise the Standard as follows (IP and SI Units)

G3.1.2.6 Economizers

Air economizers shall not be included in baseline HVAC Systems 1, 2, 9, and 10. Integrated Air economizers control shall be included in baseline HVAC Systems 3 through 8, and 11, 12, and 13 based on climate as specified in Table [G3.1.2.6](#).



**BSR/ASHRAE/IES Addendum S
to ANSI/ASHRAE/IES Standard 90.1-2016**

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FOREWORD

The following change is required in order to capture the 5% limit on renewable energy proposed for Appendix G compliance. Using this formula allows the PCI to always reflect the actual building design without any adjustment for renewable energy contribution. Instead the PCI is adjusted such that it reflects the limit on renewable energy.

This addendum also clarifies for both Section 11 and Appendix G which renewable systems are eligible.

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

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Addendum S to 90.1-2016

Revise the Standard as follows (IP and SI Units)

4.2 Compliance

4.2.1 Compliance Paths

4.2.1.1 New Buildings

New *buildings* shall comply with either the provisions of

- a. Section 5, “*Building Envelope*”; Section 6, “*Heating, Ventilating, and Air Conditioning*”; Section 7, “*Service Water Heating*”; Section 8, “*Power*”; Section 9, “*Lighting*”; and Section 10, “*Other Equipment*,” or
- b. Section 11, “*Energy Cost Budget Method*,” or
- c. Appendix G, “*Performance Rating Method*.”

When using Appendix G, the Performance Cost Index (PCI) shall be less than or equal to the Performance Cost Index Target (PCI_t) when calculated in accordance with the following:

$$PCI_t = [BBUEC + (BPF \times BBREC) - \underline{PNA}] / BBP$$

where

- PCI = Performance Cost Index calculated in accordance with Section G1.2.
 BBUEC = Baseline *Building Unregulated Energy Cost*, the portion of the annual *energy* cost of a *baseline building design* that is due to *unregulated energy use*.
 BBREC = Baseline *Building Regulated Energy Cost*, the portion of the annual *energy*

- cost of a *baseline building design* that is due to *regulated energy use*.
- BPF = *Building Performance Factor* from Table 4.2.1.1. For *building* area types not listed in Table 4.2.1.1 use “All others.” Where a *building* has multiple *building* area types, the required BPF shall be equal to the area-weighted average of the *building* area types.
- BBP = *Baseline Building Performance*.
- PBP = Proposed Building Performance including the reduced, annual purchased energy cost associated with on-site renewable energy generation systems
- PBP_{nre} = Proposed Building Performance without any credit for reduced annual energy costs from on-site renewable energy generation systems.
- PNA = Proposed renewable energy contribution not allowed for compliance

$$\text{Renewable contribution} = \text{PBP}_{\text{nre}} - \text{PBP}$$

$$\text{Renewable Fraction} = (\text{PBP}_{\text{nre}} - \text{PBP}) / \text{BBP}$$

$$\text{If Renewable Fraction} \leq 0.05 \text{ then PNA} = 0, \text{ otherwise PNA} = \text{Renewable Contribution} - (0.05 \times \text{BBP})$$

Regulated *energy cost* shall be calculated by multiplying the total *energy cost* by the ratio of *regulated energy use* to total *energy use* for each *fuel* type. Unregulated *energy cost* shall be calculated by subtracting regulated *energy cost* from total *energy cost*.

....

11.4.3 Renewable, Recovered, and Purchased Energy

11.4.3.1 On-Site Renewable Energy and Site-Recovered Energy

Site-recovered energy shall not be considered *purchased energy* and shall be subtracted from the *proposed design energy* consumption prior to calculating the *design energy cost*. *On-site renewable energy, generated by systems included on the building permit, and used directly by the building* shall be subtracted from the *proposed design energy* consumption prior to calculating the *design energy cost*, provided that the building owner owns the on-site renewable energy system or has signed a lease agreement for the on-site renewable energy system for at least 15 years. The reduction in *design energy cost* associated with *on-site renewable energy* shall be no more than 5% of the calculated *energy cost budget*.

...

G2.4 Renewable, Recovered, and Purchased Energy

G2.4.1 On-Site Renewable Energy and Site-Recovered Energy

Site-recovered energy shall not be considered *purchased energy* and shall be subtracted from the *proposed design energy* consumption prior to calculating the *proposed building performance*. *On-site renewable energy generated by systems included on the building permit that is used by the building* shall be subtracted from the *proposed design energy consumption* prior to calculating the *proposed building performance*, provided that the building owner owns the on-site renewable energy system or has signed a lease agreement for the on-site renewable energy system for at least 15 years.



**BSR/ASHRAE/IES Addendum T
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FOREWORD

This proposed addendum expands the exterior LPD application table to cover additional exterior spaces that are not currently in the exterior LPD table. The expansion references appropriate space types found in the interior LPD table with appropriate modifications of the value that recognizes the lower need for lighting power and illumination in exterior applications.

This addendum will advance energy savings by providing an appropriate LPD value for exterior applications where one did not exist before which potentially allows for either exemption or the use of a higher than appropriate value.

This addendum has no cost increase because it only applies existing requirements to additional spaces and applications

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Addendum T to 90.1-2016

Revise the Standard as follows (IP and SI Units) Revise the Standard as follows (IP and SI Units)

9.4.2 Exterior Building Lighting Power

The total *exterior lighting power allowance* for all exterior *building* applications is the sum of the base site allowance plus the individual allowances for areas that are designed to be illuminated and are permitted in Table [9.4.2-2](#) for the applicable lighting zone in Table [9.4.2-1](#).

For areas not listed in Table 9.4.2-2, the exterior lighting power allowance for a comparable area from Table 9.4.2-2 shall be used. If there is not a comparable area in Table 9.4.2-2, the lighting power allowance for a comparable interior space type from Table 9.6.1 shall be allowed to be used as nontradable allowances when modified as follows:

- a. For lighting zone 4, 100% of the interior lighting power allowance value.
- b. For lighting zone 3, 80% of the interior lighting power allowance value.
- c. For lighting zones 1 and 2, 65% of the interior lighting power allowance value.
- d. For lighting zone 0, no allowance.

The *installed exterior lighting power* identified in accordance with Section [9.1.3](#) shall not exceed the *exterior lighting power allowance* developed in accordance with this section. Trade-offs are allowed only among exterior lighting applications listed in the Table [9.4.2-2](#)

BSR/ASHRAE/IES Addendum T to ANSI/ASHRAE/IES Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

“Tradable Surfaces” section. The lighting zone for the *building* exterior is determined from Table [9.4.2-1](#) unless otherwise specified by the local jurisdiction.



**BSR/ASHRAE/IES Addendum U
to ANSI/ASHRAE/IES Standard 90.1-2016**

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FOREWORD

This proposed addendum applies existing parking lot and other exterior lighting requirements (where applicable) to exterior lighting that is associated with and tied to a building as it is powered from electrical service on the building site.

This addendum will advance energy savings by providing appropriate LPD limits primarily to parking lots that are constructed and/or renovated as part of a building site to support the building in the same manner as current requirements in 90.1.

This addendum has no cost increase because it only applies existing requirements to additional spaces and applications

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Addendum U to 90.1-2016

Revise the Standard as follows (IP and SI Units)

9.1 General

9.1.1 Scope

This section shall apply to the following:

- b. Interior *spaces* of *buildings*.
- b. Exterior lighting that is powered through the *building's* or building site's electrical *service*.

Exception to 9.1.1

1. Emergency lighting that is automatically off during normal *building* operation.
 2. Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
 3. Decorative gas *lighting systems*.
-

WQA/ASPE/~~NSF~~ S-803: Sustainable Drinking Water Treatment Systems

Second Public Review Draft

June 19, 2017

1 Scope

2 Terms and Definitions

2.1 Regeneration

The automatically recurring process by which a brine solution is passed through the resin bed of a water softener, replacing calcium and magnesium ions (absorbed by the resin) with sodium ions, in order to replenish the capacity of the resin bed to substitute sodium ions for magnesium and calcium ions in the treated water. Various rinsing and backwash steps using only influent water are usually also included. Unless the system features twin tanks, regeneration must be accomplished when the softener is not in service.

2.1 Proportional Brining

A method of regeneration whereby the volume of brine solution used for each specific regeneration is proportional to the actual percent exhaustion of the resin bed at the time that the regeneration occurs (see "Regeneration").

2.2 Proportional Regeneration

A method of regeneration whereby the volume of water used in the backwash and rinse phases of each specific regeneration is proportional to the actual percent exhaustion of the resin bed at the time that the regeneration occurs (see "Regeneration").

2.4 Reserve Capacity

A percentage of the actual chemical capacity of the softener that is held in reserve, which has the effect of triggering regeneration before the resin bed is completely exhausted (or expected to be exhausted based on volume of treated water). The normal purpose of the reserve capacity is to insure that regeneration can be conveniently scheduled when the consumer is not expected to be utilizing their water supply. Otherwise, regeneration could end up being necessary during normal daytime hours when the consumer requires water usage, which would result in either a denial of water while regeneration is underway, or the consumer being forced to utilize hard water after the resin bed becomes exhausted (but before regeneration can be conveniently scheduled).

2.5 Backwash

A typical phase of the regeneration process where influent water is flushed through the softener in order to clean the resin bed of non-dissolved/ionic contaminants. It is called "backwash" because it is done with the direction of flow counter to the normal flow.

2.6 Cation Resin

Ion Exchange Resins, typically polybenzyl sulfonates, designed for the purpose of exchanging positively charged ions.

2.7 Ion Exchange Media

A treatment media suitable for the purpose of exchanging ions in water. Less desirable ions present in the water are attracted to the media to replace more acceptable ions which are released from the media.

2.8 Ion Exchange Resin

Ion Exchange Media typically in the form of a functionalized resin copolymer made of polystyrene and divinylbenzene.

2.9 Water Softener

A treatment system that delivers product water with a hardness no greater than 1 grain/gallon.

3 General Requirements and Scoring System

3.3.2 Conformance to WQA S-801: Sustainable Management

- A. Eligibility for certification under this standard is contingent on the applicant company meeting the requirements of WQA's S-801 Sustainable Management Standard, which evaluates the management practices and overall sustainability performance of the company.

~~Conformance to a Sustainable Management System Standard~~

~~Eligibility for certification under this standard is contingent on the applicant company meeting the requirements of one of the following two standards which evaluate the management practices and overall sustainability performance of the company:~~

- ~~B. WQA/ASPE/ANSI S-801: Sustainable Management
C. NSF/WQA/ANSI 375: Sustainability Assessment for Water Contact Products (Management Systems criteria only, as delineated within the NSF/ANSI 375 standard)~~

Comment [SM1]: Changes dropped, revert back to original language

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

NSF/ANSI Standard
for Personal Care Products

Personal Care Products Containing Organic Ingredients

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7 Labels, labeling, and market information

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7.8 Use of the word organic as part of a “brand name” or company name

Brand or company names containing the term "organic" and its variants (e.g. "organics," "organix," "organo-," "organically," etc.) shall state:

- “Contains Organic Ingredients” **or**
- “Contains organic [specified ingredients or ingredient groups],” **or**
- Shall state the percentage of organic ingredients in the product (i.e., 70% organic)

Lettering must easy to read; namely, it must contrast sufficiently with the background and not be obscured by artwork or other labelling.

The font size of the statement shall be 30-50% the font size of the organic brand name or company name and shall be placed within the same panel as the organic brand name or company name.

Rationale: NSF/ANSI Standard 305 states in Section 7.1 that “The term ‘organic’ shall not be used in a PRODUCT name unless the product is certified to the USDA-NOP or the EC 834/2007 and EC 889/2008. There aren’t, however, any requirements stated for products that use the term “organic” in the BRAND name or COMPANY name. This language adds provisions and clarity for these products.

BSR/UL 60079-28, Standard for Safety for Explosive Atmospheres – Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation

1. This proposal provides revisions to the proposal document dated December 23, 2016 for the Adoption of IEC 60079-28, Explosive Atmospheres - Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation (second edition, issued by IEC May 2015) as a new IEC-based UL standard, UL 60079-28 to the applicable requirements per comments received.

1DV.1 DR Modification of Clause 1 to replace with the following:

1DV.1.1 DR This part of IEC 60079 standard specifies the requirements, testing and marking of equipment emitting optical radiation intended for use in explosive atmospheres. It also covers equipment located outside the explosive atmosphere or protected by a Type of Protection listed in IEC UL 60079-0, but which generates optical radiation that is intended to enter an explosive atmosphere. It covers Groups I, II and III, and EPLs Ga, Gb, Gc, Da, Db, Dc, Ma and Mb.

1.2 This standard contains requirements for optical radiation in the wavelength range from 380 nm to 10 µm. It covers the following ignition mechanisms:

- **Optical radiation is absorbed by surfaces or particles, causing them to heat up, and under certain circumstances this may allow them to attain a temperature which will ignite a surrounding explosive atmosphere.**
- **In rare special cases, direct laser induced breakdown of the gas at the focus of a strong beam, producing plasma and a shock wave both eventually acting as ignition source. These processes can be supported by a solid material close to the breakdown point.**

NOTE 1 See a) and d) of the introduction.

1.3 This standard does not cover ignition by ultraviolet radiation and by absorption of the radiation in the explosive mixture itself. Explosive absorbers or absorbers that contain their own oxidizer as well as catalytic absorbers are also outside the scope of this standard.

1.4 This standard specifies requirements for equipment intended for use under atmospheric conditions.

1DV.1.5 DR Annex F outlines the application of this standard for equipment and transmission systems using optical radiation in areas classified using the Division method.

1DV.1.6 DR This standard supplements and modifies the general requirements of IEC UL 60079-0. Where a requirement of this standard conflicts with a requirement of IEC UL 60079-0, the requirement of this standard takes precedence.

1DV.1.7 DR Where references are made to other IEC 60079 standards, the referenced requirements found in these standards apply as modified by any applicable U.S. National Differences.

1DV.1.8 DR This standard applies to optical fibre equipment and optical equipment, including LED and laser equipment, with the exception of the equipment detailed below:

NOTE 2 Where certifications for equipment and transmission systems using optical radiation meet one of the five exceptions below, and do not reference UL 60079-28, the certificate or other supporting documentation may have the following statement, modified appropriately:

“The output of the optical radiation source with respect to explosion protection meets Exception X) from the scope of UL 60079-28”.

The reference to “Exception X)” above is to be replaced by the actual number of the Exception that applies from the scope of UL 60079-28, e.g. “Exception 1)”, “Exception 2)”, “Exception 3)”, “Exception 4)” or “Exception 5)”.

1) Non-array divergent LEDs used for example to show equipment status or backlight function.

1DV.1.8.1 D2

2) All luminaires (fixed, portable or transportable), hand lights and caplights; intended to be supplied by mains (with or without galvanic isolation) or powered by batteries with any continuous divergent light source, including LEDs (for all EPLs).÷

~~-with continuous divergent light sources (for all EPLs),~~

~~-with LED light sources (for EPL Gc or Dc only).~~

~~NOTE 2 Continuous divergent LED light sources for other than EPL Gc or Dc are not excluded from the standard due to the uncertainty of potential ignition concerns regarding high irradiance.~~

1DV.1.9 DR Optical radiation sources for EPL Gc and Dc applications which comply with Class I limits in accordance with the US Code of Federal Regulations, 21 CFR Part 1040.

NOTE 3 The referenced Class 1 or Class I limits are those that involve emission limits below 15 mW measured at a distance from the optical radiation source in accordance with IEC 60825-1 or the US Code of Federal Regulations, 21 CFR Part 1040, respectively, with this measured distance reflected in the Ex application. These Class I limits are based on normal operating and single fault conditions, as opposed to Class I limits which are only based on normal operating conditions.

4) Single or multiple optical fibre cables not part of optical fibre equipment if the cables:

- comply with the relevant industrial standards, along with additional protective means, e.g. robust cabling, conduit or raceway (for EPL Gb, Db, Mb, Gc or Dc),

- comply with the relevant industrial standards (for EPL Gc or Dc).

5) Enclosed equipment involving an enclosure that fully contains the optical radiation and that complies with a suitable type of protection as required by the involved EPL, with the enclosure complying with one of the following conditions:

- An enclosure for which an ignition due to optical radiation in combination with absorbers inside the enclosure would be acceptable such as flameproof "d" enclosures (IEC UL 60079-1), or
- An enclosure for which protection regarding ingress of an explosive gas atmosphere is provided, such as pressurized "p" enclosures (IEC UL 60079-2), restricted breathing "nR" enclosure (IEC UL 60079-15), or
- An enclosure for which protection regarding ingress of an explosive dust atmosphere is provided, such as dust protection "t" enclosures" (IEC UL 60079-31), or
- An enclosure for which protection regarding ingress of absorbers is provided (such as IP 6X enclosures) and where no internal absorbers are to be expected.

NOTE 4 For these scope exclusions based on enclosure constructions, it is anticipated that the enclosures are not opened in the explosive atmosphere, so that ingress is protected.

5.3.2DV.1 DR Modification of Clause 5.3.2 to replace with the following:

The optical fibre or cable protects the release of optical radiation into the atmosphere during normal operating conditions. For EPL Gb, Db or Mb protected optical fibre cables shall be used provided by additional armouring, conduit, cable tray, or raceway. For optical fibres or cables, that exit the end-equipment enclosure, a pull test shall be performed according to IEC 60079-11.

Gb, Gc, Db and Dc equipment shall utilize single or multiple optical fiber cable (as described in Article 770 and other applicable parts of the National Electrical Code, NFPA 70) that complies with UL 1651.

Internal or external cables can be terminated/ spliced from one fibre (from a cable) to another fibre (in a new cable) by using dedicated coupler or joining kits giving a fixed termination. For external termination/splicing, the cable connection shall provide equivalent mechanical strength to that of the cable. The procedure to perform field connections shall be detailed in the instructions.

NOTE 1 This can be achieved by using mechanical clamping or snap connection.

For EPL Gc or Dc optical fibre or cables and internal pluggable factory connections that comply with the applicable industrial standard are suitable. External optical fibre or cable field connections shall comply with the external plug and socket outlet requirements from IEC 60079-0 suitable for the EPL.

For EPL Gb, Db or Mb, optical fibre or cables connected via internal pluggable factory connections shall comply with the pluggable connections requirements from IEC 60079-

15. External optical fibre or cable field connections shall comply with the external plug and socket outlet requirements from IEC 60079-0 for the required EPL.

NOTE 2 Typical examples are connections in split-boxes.

NOTE 3 Optical fibre or cable alone is not Ex equipment.

Entire Annex F provided for ease of review only. Revisions include the deletion of Class III references.

Annex DVF

(normative)

Requirements for Division 1 and Division 2 equipment and transmission systems using optical radiation

DVF DR Addition of new annex DVF as follows:

DVF.1 Application

The requirements of this Annex shall be applied to equipment and transmission systems using optical radiation in Class I or II Division classified areas except for the equipment and transmission systems that are excluded from the Scope of this standard.

NOTE Information on the Division method is given in NFPA 70 and CSA C22.1.

DVF.2 General

Electrical equipment and electrical Ex Components (e.g. fibre optic terminal devices) shall comply with one or more of the specific electrical equipment protection technique standards listed in NFPA 70 suitable for the application if intended to be installed inside the hazardous area.

Optical equipment shall be subjected to a formally documented ignition hazard assessment using the principles stated in Annex C. This assessment shall be made to determine which possible optical ignition source can arise in the equipment under consideration, and which measures may need to be taken to mitigate the risk of ignition.

If a source of optical radiation is inside an enclosure providing a protection of minimum IP 6X, after the tests specified in UL 60079-0 for enclosures, the ingress of absorbing targets from the outside of the enclosure need not be taken into consideration, but the existence of internal targets shall be taken into consideration. However where the optical radiation may leave such an enclosure, the requirements of this standard also apply to the emitted optical radiation

In addition to the requirements of this Annex, and the applicable requirements of Clauses 5 and 6, equipment and transmission systems using optical radiation identified for Divisions shall comply with the following:

- **the applicable safety requirements of the relevant industrial standards; and**
- **the requirements for the EPL shown in Table F.1, supplemented or modified by the requirements shown in F.3.**

Table F.1 - General equivalency between Class / Division and EPL

<u>Class / Division</u>	<u>Equipment protection level (EPL)</u>
<u>Class I, Division 1</u>	<u>'Ga'</u>
<u>Class I, Division 2</u>	<u>'Gb', 'Gc'</u>
<u>Class II, Division 1</u>	<u>'Da'</u>
<u>Class II, Division 2</u>	<u>'Db', 'Dc'</u>

Unless otherwise specified in this Annex or in Clauses 5 and 6, the general requirements of UL 60079-0 are not applicable.

DVF.3 Marking

Equipment and transmission systems using optical radiation shall be clearly and permanently surface marked to indicate Class, Division, Group(s), Equipment Temperature, and Ambient Temperature Range in accordance with NFPA 70 as applicable.

The following provides the general equivalency between Zone Group designations and Division Group designations:

Table F.2 - General group equivalency

<u>Zone group designations</u>	<u>Division group designations</u>
<u>IIC</u>	<u>(Class I) Groups A, B, C, D</u>
<u>IIB</u>	<u>(Class I) Groups C, D</u>
<u>IIA</u>	<u>(Class I) Group D</u>
<u>IIIC</u>	<u>(Class II) Groups E, F, G</u>
<u>IIIB</u>	<u>(Class II) Groups F, G</u>

NOTE Based on NFPA 70 not addressing fiber optic cable in Class III applications, no references to Class III are applicable to this Annex. Therefore, no references to Zone group designation IIIA are applicable either.

BSR/UL 2900-2-1, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems

1. Proposed First Edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems, UL 2900-2-1

6.1.1.1A Jurisdiction-specific definitions for 'intended use' and 'indications for use' shall be provided in the Risk Management File.

6.1.2.1 The product's assumptions regarding the environment within which it is intended to be operated shall be enumerated.

~~6.1.2.2.~~ ~~6.1.2.4~~ The product's indications for use statement shall identify security capabilities and constraints relative to assumptions regarding the environment within which it is intended to be operated.

12.3.3 A security risk management plan shall be constructed and documented to reflect the following processes, including rationale for any qualitative or quantitative measures used:

- a) Identification of assets, threats, and vulnerabilities;
- b) Assessment of the impact of threats and vulnerabilities on device functionality and end users/patients;
- c) Assessment of the likelihood of a threat and of a vulnerability being exploited;
- d) Determination of risk levels and suitable mitigation strategies; and
- e) Assessment of residual risk and risk acceptance criteria.
- f) Security-relevant data logging when applicable

12.4.1.3 Data security (e.g. authenticated encryption) shall be specified for inputs.

12.4.1.4 Metadata security comparable to that in 12.4.1.3 shall be specified for inputs (e.g. patient identifying information).

~~12.4.3.18 Storage (e.g. memory) shall monitored with an integrity monitor to ensure that the code and data sections are not unintentionally modified. be divided into code segments (data representing instructions that may be read or executed but not written) and data segments (that do not represent instructions and which may be read or written but not executed).~~

12.4.3.20 The use of perfect-forward secrecy in the encryption protocol shall be considered during risk assessment.

13.3 The vendor's process for handling security related vulnerability reports from external third-parties shall be documented.

20.5.1 For products intended to be part of a larger system, decommissioning procedures shall be provided to allow for the product to be removed from the system (and replaced if performing a security-critical function) without compromising system security during the product decommissioning process.

NOTE: A compromise of system security would be, for example, leaks of PHI / PII from the overall system whether via communication channels or improper disposal of a system component.

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BSR/UL 252, Standard for Safety for Compressed Gas Regulators

1. Additional types of connections on the regulators

8 Connections

8.1 A regulator intended for attachment to a gas storage cylinder shall be provided with an inlet connection that conforms with the Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections, CGA Pamphlet V-1, or, be of the manufacturer's own proprietary non-interchangeable gas-specific connection, for the gas involved and it is additionally marked in accordance with 20.1(e).

Exception: The inlet fittings may comply with the requirements of a Foreign National Standard for inlet fittings when the compressed gas regulator is tested in accordance with the applicable requirements in Sections 10 - 19 and it is additionally marked in accordance with 20.1(e).

8.2 Station or line regulators shall be provided with either:

- a) Inlet pipe threads for direct connection to a piping system or
- b) ~~A detachable~~ For welding and cutting equipment, an inlet connection complying with the Pipeline Regulator Inlet Connection Standards of the Compressed Gas Association, CGA Pamphlet E-3. , or
- c) Male 1/4, 3/8, 1/2, or 5/8 in. SAE flare connection, or
- d) For use with nitrogen, carbon-dioxide or inert gases at a maximum pressure of 200 psig, a slip-on hose connector of the serrated stem type, or a quick-connect tube connection.

~~An inlet connection shall not permit attachment of a station or line regulator to a storage cylinder, and shall not be used if the rated maximum inlet pressure of the regulator is higher than 200 psig (1.38 MPa).~~

8.2.1 An inlet connection shall not permit attachment of a station or line regulator to a storage cylinder.

8.4 Outlet hose connections for welding and cutting equipment, if used, shall be provided with right-hand threads for nonfuel gases and with left-hand threads for fuel gases, and comply with the Standard Connections for Regulator Outlets, Torches and Fitted Hose for Welding and Cutting Equipment, CGA Pamphlet E-1.

~~*Exception: The outlet connection of a regulator for use with carbon-dioxide or inert gases may be a slip-on hose connector of the serrated stem type.*~~

8.5 The outlet connection of a regulator for use with nitrogen, carbon-dioxide or inert gases, when provided, may be a slip-on hose connector of the serrated stem type or a quick-connect tube connection.

BSR/UL 448-201x, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service

1. Series 400 Stainless Steel for Interior Bolts or Screws

6.5 An interior bolt or screw that is exposed to pumped water fluid shall be of rolled bronze or other constructed of a corrosion-resistant material (see 5.2) or Series 400 stainless steel.

2. Revisions to Clarify Requirements and Update Testing Details

6.6 The maximum stress on any bolt of a pressure-holding casting shall not exceed one-fourth the elastic limit of the material as computed by using the stress area. The stress area is defined by the equation:

$$A_s = 0.7854 \left(D - \frac{0.9743}{n} \right)^2$$

in which:

A_s is the stress area in square inches ($m^2 \times 1550$);

D is the nominal diameter of bolt in inches ($mm \times 0.04$); and

n is the number of threads per inch (25.4 mm).

The load on the bolts is to be computed on the basis of the water pressure equivalent to the maximum working pressure over the area out to the centerline of the bolts.

Exception: If an O-ring is used to provide a casing seal, the area inside the O-ring shall be permitted to be used to determine area for the bolt stress calculation.

6.7 The maximum combined shear stress for a pump shaft, based upon the minimum diameter at the root of threads or an undercut (not including undercutting for keys), shall not exceed 30 percent of the elastic limit in tension or be more than 18 percent of the ultimate tensile strength of the shafting steel used. For shafts with keyways, the allowable stress limits shall be 75 percent of the stresses calculated using the minimum shaft diameter at the key location (not including the undercut). Compliance with this requirement is to be verified by a review of manufacturers' stress calculations.

6.13 Impeller, impeller wearing rings, case wearing rings, shaft sleeves, guide or diffusion vane rings, lantern rings, ~~stuffing box bottoms~~, interior nuts, ~~linings of stuffing box throats~~, glands, gland nuts, and drain plugs shall be of corrosion-resistant material.

11.1 The pump shall be provided with stuffing box(es) and packing. A stuffing box shall have a depth of at least five times the width of the packing ring plus lantern ring. A lantern ring shall be permitted to replace one ring of packing, but at least four packing rings shall be provided when a lantern ring is installed. The glands shall exert a uniform pressure on the packing. ~~The stuffing box on the suction end of a pump shall be water-sealed at a suction pressure of 30 psi (207 kPa) or less.~~ A stuffing box bottom ring, if used, shall be of a corrosion-resistant material. Shafts shall be provided with corrosion resistant sleeves.

20.1 Water-lubricated line-shaft bearings shall be of rubber, ~~or neoprene or other~~ nonmetallic material determined to be suitable for use as a fire pump bearing that is housed in a spider and spaced no more than 10 feet (3.05 m) apart. The spider legs shall be streamlined to offer minimal resistance to the flow of water through the supporting column.

(NEW)

24.6.1 For vertical turbine pumps (not provided with a suction vessel), the net pressures developed by the pump are to be determined as indicated in 5.4 b) or by measuring the discharge pressure immediately downstream of the top pump bowl.

27.1 To verify compliance with these requirements in production, the manufacturer shall provide the necessary production control, inspection, and tests. The program shall include at least the following:

- a) Each pump is to be subjected to the tests specified in 24.5, and shall comply with the applicable requirements in 24.1 to 24.4. Each outlet of multistage multiport pumps shall be tested for compliance with the applicable requirements. For a vertical turbine pump provided with a suction vessel, the suction vessel is to be included in the test.
- b) Each pump is to be tested hydrostatically for not less than 5 minutes. The test pressure is to be not less than 1-1/2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa). There shall be no rupture or leakage through the castings at the test pressure. For a vertical turbine pump, both the discharge head and pump's bowls are to be tested but are permitted to be tested separately. The suction vessel of a vertical-turbine pump is to be tested at twice the rated maximum suction pressure of the pump.
- c) The impeller(s) of each pump shall be balanced in accordance with the requirement in 6.8.
- d) Records are to be maintained of all tests conducted.

3. Maximum Horsepower Required to Drive the Pump

24.8 A test is to be conducted with a positive suction pressure at the pump inlet (sufficient submergence is to be provided for vertical-turbine type pumps) to determine sufficient to achieve the maximum brake-horsepower (kW input) required by the pump. This will be characterized by a leveling or gradual decline in the brake-horsepower (kW output) curve when plotted against increasing flow.

27.1 To verify compliance with these requirements in production, the manufacturer shall provide the necessary production control, inspection, and tests. The program shall include at least the following:

- a) Each pump is to be subjected to the tests specified in 24.5 and 24.8, and shall comply with the applicable requirements in 24.1 - 24.4. Each outlet of multistage multiport pumps shall be tested for compliance with the applicable requirements. For a vertical turbine pump provided with a suction vessel, the suction vessel is to be included in the test.
- b) Each pump is to be tested hydrostatically for not less than 5 minutes. The test pressure is to be not less than 1-1/2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa). There shall be no rupture or leakage through the castings at the test pressure. For a vertical turbine pump, both the discharge head and pump's bowls are to be tested. The suction vessel of a vertical-turbine pump is to be tested at twice the rated maximum suction pressure of the pump.
- c) The impeller(s) of each pump shall be balanced in accordance with the requirement in 6.8.
- d) Records are to be maintained of all tests conducted.

(NEW)

28.3.1 The marked values referenced in 28.3 (b), (c), (f), (g) and (k), (j) shall be in accordance with the data generated during the production operation (adjusted to rated speed) and hydrostatic tests (See 27.1).

BSR/UL 858, Standard for Household Electric Ranges

1. Nichrome Wire Test and Polymeric Materials Revisions

10.24.1 Figure 10.3 provides a flowchart of the flammability requirements for polymeric materials in connectors. All electrical connections where the total circuit load is greater than 60 W during normal operation shall:

- a) Comply with 10.24.3, 10.24.4, and 10.24.5, or
- b) Be evaluated as specified in Abnormal Operation - Nichrome Wire Test, Section 77A.

10.24.1.1 A risk of fire is considered to exist at any two points in a circuit where a power of more than 15 watts can be delivered into an external resistor connected between the two points within 5 seconds. To deliver 15 watts at a connector, the circuit must have a nominal load of 60 watts or more. This is based on the maximum power transfer theorem that shows an electrical connection can only dissipate 1/4 of the power of the load when the resistance of the connection is equal to the resistance of the load.

10.24.1.2 Electrical connections are not required to comply with 10.24.1 when all mating parts of the electrical connection are provided with a component (e.g. contacts within a switch or relay, connections within a motor, etc.) that complies with the relevant component standard. Electrical connections that are mated to the component from the appliance are required to comply with 10.24.1.

10.24.2 The requirements in 10.24.1 shall not apply to welded or soldered connections and connections within low voltage circuits.

10.24.3 With reference to 10.24.1, components such as wire, tubing, sleeving, or tape that are located within 3 mm of an electrical connection as shown in Figure 10.1 shall have a flammability classification as follows:

- a) VW-1 for wire evaluated in accordance with the Reference Standard for Electrical Wires, Cables, and Flexible Cords, UL 1581;
- b) VW-1 for tubing and sleeving evaluated in accordance with the Standard for Extruded Insulating Tubing, UL 224 or the Standard for Coated Electrical Sleeving, UL 1441; or
- c) Evaluated in accordance with the Standard for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape, UL 510 for flame-retardant insulating tape.

10.24.4 With reference to 10.24.1, polymeric materials located within 3 mm of an electrical connection as shown in Figure 10.1 shall have a flammability classification as follows:

- a) A minimum V-0 or VTM-0, in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94; ~~or~~
- b) A minimum SC-0 or SCTC-0, in accordance with Standard for Tests for Flammability of Small Polymeric Component Materials, UL 1694; ~~or~~
- c) A minimum glow wire ignition temperature (GWIT) of 775°C according to Fire Hazard Testing - Part 2-13: Glowing/Hot-wire Based Test Methods - Glow-wire Ignition Temperature (GWIT) Test Method for Materials, IEC 60695-2-13; ~~or~~
- d) The material withstands glow-wire test (GWT) according to Fire Hazard Testing - Part 2-11: Glowing/Hot-wire Based Test Methods - Glow-wire Flammability Test Method for End-products (GWEPT), IEC 60695-2-11 with a minimum test severity of 750°C, and during the test flames persists for no longer than 2 seconds.

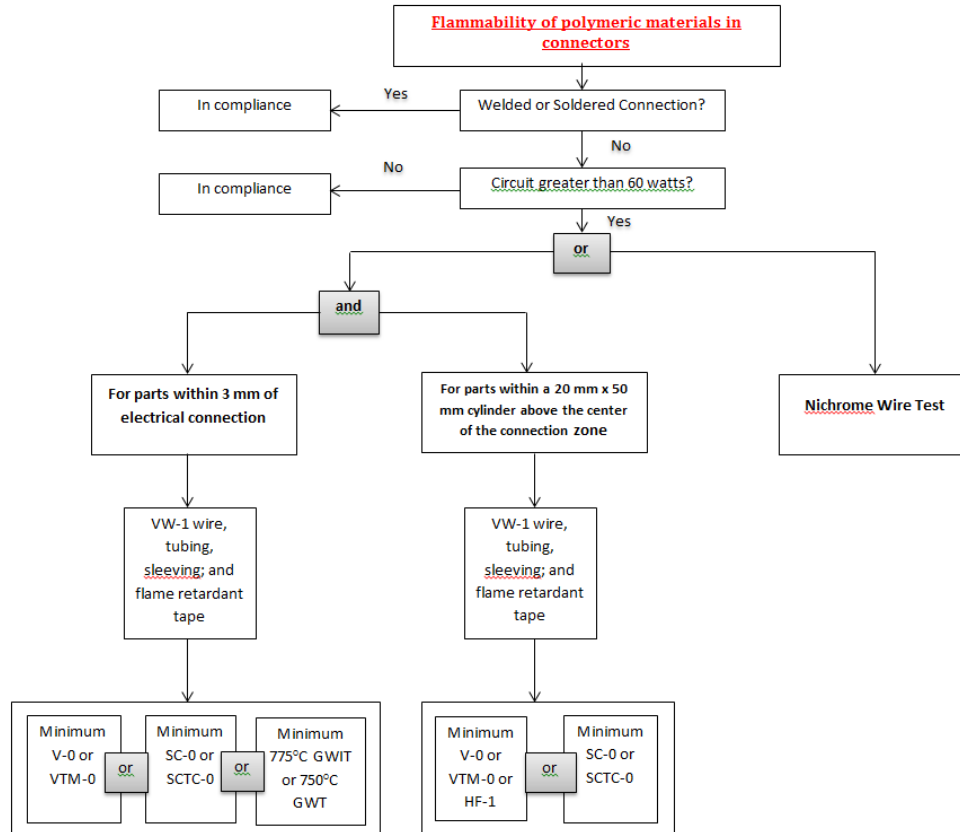
10.24.5 With reference to 10.24.1, all polymeric non-metallic combustible materials located within the envelope of a vertical flame cylinder having a diameter of 20 mm and a height of 50 mm, placed above the center of the connection zone and on top of the polymeric non-metallic parts that are supporting current-carrying electrical connections as shown in Figure 10.2 shall have a flammability classification as follows:

- a) minimum of V-0, VTM-0, or HF-1, in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94, and Fire Hazard Testing - Part 11-10: Test Flames - 50 W Horizontal and Vertical Flame Test methods, IEC 60695-11-10; ~~or~~
- b) A minimum of SC-0 or SCTC-0, in accordance with the Standard for Tests for Flammability of Small Polymeric Component Materials, UL 1694; ~~or~~
- c) A minimum VW-1 for wire, tubing, sleeving and tape in accordance with ~~10.24.2 (a), (b), and (c)~~ 10.24.3.

10.24.6 With reference to 10.24.5 and Figure 10.2, the flame cylinder shall be placed above the center of each connection zone and on top of any polymeric parts that are supporting current-carrying connections as shown in Examples 1-3 of Figure 10.2. In the case of uninsulated connections, the flame cylinder shall be placed above the center of each connection zone and directly on top of current-carrying conductors as shown in Examples 4-6 of Figure 10.2. The flame cylinder shall project through all metallic and polymeric non-metallic material. If "C" is intended

to act as a barrier to "D", or if the flame cylinder extends beyond the outer enclosure of the appliance, then the adequacy of the barrier shall be demonstrated by testing as described in Abnormal Operation - Nichrome Wire Test, Section 77A.

Figure 10.3
Flammability of polymeric materials in connectors



77A Abnormal Operation - Nichrome Wire Test

77A.1 If required per 10.24.1(b), an electrical connection shall be tested as specified in 77A.6.2–77A.6.9 77A.1.1 - 77A.11. ~~One sample~~ Each connection shall be evaluated ~~per connection~~ using one connector sample. Multiple connections may be independently evaluated within the same appliance if they are located such that they do not influence the outcome or evaluation of the test. As a result of the test, there shall be no evidence of ignition of the cheesecloth referenced in 77A.3 as indicated by broken threads of the cheesecloth. Browning of the cheesecloth is acceptable provided that all individual threads are unbroken. Cheesecloth fibers may become brittle after exposed to heat. Care must be taken to prevent breakage of fibers during inspection. Fibers broken during inspection are not considered as a non-compliance. the following conditions:

- ~~Ignition of the external cheese cloth surrounding the appliance;~~
- ~~Fracture or shorting of the nichrome wire prior to completion of the test; or~~
- ~~A shift in the position of the nichrome wire sufficient to alter the severity of the test.~~

77A.1.1 The test shall be considered inconclusive and then repeated if there is evidence of:

- Fracture or shorting of the nichrome wire prior to completion of the test, or
- A shift in the position of the nichrome wire sufficient to alter the severity of the test.

77A.2 This test intentionally attempts to cause a fire. Appropriate safety precautions to prevent the spread of fire should be taken. The test location shall have sufficient fresh air to sustain the flame. This test shall be conducted at an elevation of less than 2,000 ft (610 m) (609.6 m) above sea level.

77A.3 A floor-supported appliance shall be placed on a surface of concrete, calcium silicate board, fiber cement board, or other material that is noncombustible supported on a non-conductive surface. ~~Metal shall not be used.~~ The top, sides, front and back of appliance shall be completely covered by single-layer cheesecloth panels held in close contact with the exterior of the appliance. A mechanical means, such as small pieces of metal foil adhesive tape,

shall be used to secure the cheesecloth panels so there are no gaps between the panels. A single layer of cheesecloth, slightly larger than the appliance bottom surface, shall cover the supporting surface beneath the appliance. ~~If agreeable to those concerned, cheesecloth~~ Cheesecloth may be placed only in the area of the anticipated breach ~~if there is no risk of breach in other areas~~.

77A.7 The appliance shall be de-energized during the test unless equipped with a protective control or device. The connection under evaluation shall be electrically isolated from the appliance circuitry during the test. If the appliance is energized during the test, a duplicate connection that is electrically isolated from live parts shall be evaluated. Thermocouples shall be placed around the part (but not in direct contact) such that when ignition occurs, an increase in temperature can be detected. When appropriate, windows made of glass, or other clear non-combustible material may be used in the product to allow viewing of the component being tested. Windows ~~must~~ shall be 'sealed' to prevent extraneous drafts or air leaks. Windows shall be located in areas not likely to be involved in or influence flame propagation. Video cameras may be employed to assist in verification of ignition. A constant current power supply shall be used and current shall be monitored for evidence of shorting or resistance wire breaks during testing.

77A.8 ~~If an~~ An appliance ~~uses a control or device employed to provide protection from risk of fire or overheating and it has been~~ shall be evaluated as a protective control, ~~it and may be active during the nichrome wire test. If that device shuts off power to the circuit under test, it may be used to de-energize the nichrome wire if found to actuate during the test.~~

77A.9 Nichrome wire [80% Nickel, 20% Chrome, 22 AWG, in accordance with ASTM 344-11], shall be applied to a connector or switching contact such that the adjacent polymeric non-metallic combustible materials will be ignited during the test.

77A.10 In the application of the nichrome wire to the part under test, the nichrome wire may be inserted into the part, or the wire may be externally wrapped around the part under test. The intent is to achieve complete combustion of the part under test and/or adjacent materials.

a) When inserting the coil into the part under test, a single strand of nichrome wire with ~~an approximate~~ a minimum length of ~~2.0–4.0 in (50 mm–100 mm)~~ shall be formed into a coil with a diameter and length that approximates the connection under evaluation. The coil shall be inserted in place of the connection under evaluation. In the case of a multi-pin connector, a single terminal pin shall be removed from the connector such that the coil can be inserted in the worst case location (typically the lowest position). If worst case position is not obvious, then multiple positions must be evaluated.

b) When externally wrapping a connector or uninsulated terminal, use minimum 2.0 in (50 mm) of nichrome wire to achieve a minimum of three evenly spaced wraps along the length of the connector or uninsulated terminal.

c) Uninsulated terminals shall be wrapped with a non-flammable tape or sleeve prior to wrapping with nichrome wire to prevent shorting out portions of the nichrome wire.

d) In the case of switching devices, a coil of nichrome wire shall be placed inside the device in the position of the contacts and appropriately supported to prevent movement during the test.

Insulated wire leads shall be used to supply power to the nichrome wire and shall be supported and strain-relieved to prevent the nichrome wire from shifting during testing. With reference to (a) and (d), the ~~The~~ preferred method of wrapping a coil is wrapping nichrome wire around the threads of a # No. 6-18 wood screw with a root diameter of 0.094 in (~~2.39~~ 2.4 mm) and a thread per inch (25.4 mm) count of 18. ~~Alternate wrapping methods such as wrapping the connector externally may be employed if it is deemed necessary to achieve complete consumption of the adjacent material. Uninsulated terminals shall be wrapped with a non-flammable tape or sleeve prior to wrapping with nichrome wire to prevent shorting out portions of the nichrome wire. In the case of switching devices, a coil of nichrome wire shall be placed inside the device in the position of the contacts and appropriately supported to prevent movement during the test.~~

77A.11 The nichrome wire shall be energized such that current in the circuit is immediately increased to 11 A. ~~Power and shall be held constant for the duration of the test. If no ignition is detected within 20 minutes, the current shall be removed from the nichrome wire. If ignition is detected, the current shall be held constant until burning of the polymeric non-metallic combustible material ceases naturally or there is ignition of the cheesecloth. If ignition of the cheesecloth occurs, the fire shall be extinguished as soon as possible. If no ignition is detected, the current shall be held for 20 min.~~ ~~If the nichrome wire fractures prematurely, the test shall be repeated.~~

77A.12 ~~After the appliance has cooled, there shall be no charring, burning, or broken fibers of cheesecloth. Smoke discoloration is acceptable. Upon inspection of the appliance, there shall be no evidence of a shift in the position of the nichrome wire sufficient to influence the test.~~

2. New Test for Oven Rack Loading

33.3 An oven rack shall not fall from its supports and the test weight shall not slide off the rack when tested per 33.4 -

33.9. Testing shall be performed with the oven at room temperature except for 33.9. If a unit is provided with two or more different rack styles each rack style shall be tested through 33.4 - 33.9.

33.4 The test weight shall be 8.85 inches (225 mm) square and shall weigh the amount shown in Table 33.1.

Table 33.1
Oven rack loading based on rack positions

<u>Width of Rack</u>	<u>Load</u>
Up to 14 in (355.6 mm)	20 lb (9.1 kg)
Greater than 14 and up to 18 in (greater than 355.6 and up to 457.2 mm)	25 lb (11.3 kg)
Greater than 18 in (Greater than 457.2 mm)	30 lb (13.6 kg)

33.5 With the oven rack in the lowest position, pull the rack out to the full extent of its travel and place the weight on the center of the rack. Slide the rack in as far as possible with the weight in place, then slide the rack back out to the full extent of its travel.

33.6 Repeat the test specified in 33.5 with the rack in the centermost position.

33.7 Repeat the test specified in 33.5 with the rack in the uppermost position. If there is less than 1.8 inches of vertical space for the load, then the test shall be performed on the next lower rack position.

33.8 Perform thermal conditioning. On self-clean ovens, run the longest available self-clean cycle with racks in place unless instructions indicate to remove the rack. On non-self-clean ovens, run bake at 475 °F (246 °C) for 3 hours with racks in place. Allow the oven to fully cool.

33.9 Repeat the tests specified in 33.5, 33.6 and 33.7.

33.10 Heat oven to 475 °F (246 °C). After one-hour repeat 33.5. Allow oven temperature to recover to 475 °F (246 °C), then repeat 33.6 and 33.7.

3. Thermal Aging

59.7 Thermal aging

59.7.1 General

59.7.1.1 A polymeric material shall be resistant to thermal degradation at the maximum temperature to which it is exposed during normal use of the appliance.

59.7.2 Thermal aging test

59.7.2.1 Three specimens of a polymeric part shall be tested as specified in 59.7.2.2. As a result of the test, a part shall comply with the following:

- Spacings shall not be reduced to less than those specified in Table 26.1.
- Current-carrying parts or internal wiring shall not be exposed, as determined in accordance with Accessibility of Uninsulated Live Parts, Film-Coated Wire, and Moving Parts, Section 6.2 and Internal Wiring, Section 10.
- A condition shall not be produced that could increase the risk of fire, electric shock, or injury to persons (see 6.2), and
- A part exposed to liquids shall not crack or leak.

59.7.2.2 The specimens shall be placed in an air-circulating oven for 1,000 h at the temperature specified in Table 59.3. The parts shall be removed from the oven, cooled to room temperature, and examined to determine compliance with the requirements in 59.7.2.1.

Table 59.3
Temperatures for oven conditioning

<u>Maximum operating temperature of polymeric enclosure part, °C</u>	<u>Oven temperature,</u>	
	<u>°C</u>	<u>°F</u>
> 50 ≤ 75	85	(185)

<u>> 75 ≤ 85</u>	<u>95</u>	<u>(203)</u>
<u>> 85 ≤ 95</u>	<u>105</u>	<u>(221)</u>

59.7.2.3 A polymeric part shall be considered to comply with the requirements in 59.7.1.1 if the material has a temperature index, based on historical data or a long-term thermal aging program that indicates its acceptability for use at the temperature involved.

59.7.2.4 A polymeric part shall be considered to comply with the requirements in 59.7.1.1 if the maximum temperature to which the material is exposed during normal use of the appliance does not exceed 50°C (122 °F).

4. Smart Enabled Ranges

SA3.2 With respect to SA3.1, the control shall not:

- a) Render inoperative any Type 2, Class B or C functionality of any control within the appliance;
- b) ~~Adversely alter~~ Alter the response or expected performance of any Type 2, Class B or C functionality of any control within the appliance.
- c) ~~Adversely alter~~ Alter alter the response or expected performance of doors, covers, lids, locking and/or interlocking mechanisms that function to limit user exposure to hazardous electrical parts, hazardous moving parts, hazardous hot parts, heated cavities or radiation;
Exception: If the response or performance is altered in a way that does not introduce a hazardous condition (e.g. a rotating part stops more quickly), this requirement is not applicable.
- d) Enable remote operation for operating modes normally considered "attended", such as cooktop operation
- e) Alter the order of appliance control response in a manner that forces a protective control to operate where normally an operating control would respond.
- f) Supersede the response of any protective control such as temperature limiting or door interlocking functions etc.

~~SA3.3 With respect to SA3.2(b), if the altered response or performance does not introduce a hazardous condition (e.g. a rotating part stops more quickly), this requirement is not applicable.~~

SA3.4 With respect to SA3.2(d), a remote operation is not permitted for operating modes normally considered "attended", such as the cooktop or open door broil functions. Remote operation is permitted for other operations, usually "unattended", such as baking, convection, closed door broil, steaming, etc, under the following conditions:

- a) ~~User programs appliance remotely and initiates heating function by a "local" operation (actuation of a control) on the appliance. The user can remotely program the preheating function or an unattended cooking mode. The "Remote Operation Start" button on the physical appliance must be pressed within 10 minutes of programming in order to initiate the preheating function or cooking mode, otherwise the programmed sequence is cancelled. Remote programming may include remote activation and remote cancellation times for heating function modes. The user manually sets the control at the appliance to enable remote operation. Examples for initiating this setting include, but are not limited to, pressing a button, pressing and holding a button, or activating a switch or latch. Once remote operation is enabled, the user may repeatedly use remote functions regardless of door openings or local use of the appliance.~~
- b) ~~User enables remote function by a "local" operation (actuation of a control) at the appliance and programs / initiates heating function remotely. A control on the appliance shall be manually adjusted to the setting for remote operation before the appliance can be operated in this mode. Examples for initiating this setting include, but are not limited to, pressing a button, pressing and holding a button, activating a switch or latch, etc. The "remote mode" may only be set once the oven door is in the closed position. If the oven door is opened before the preheating/cooking mode is initiated, the selected remote operation shall be cancelled. The remote preheating/cooking mode may be programmed at the physical appliance or remotely. Operation cycle may be modified, or cancelled and reinitiated, as long as the oven door has remained closed.~~
- c) ~~If the oven door is opened a "local" operation at the appliance from other than from closing the door is necessary for the user to reinitiate the delayed start or remote operation cycle, as described in item b.~~
- d) ~~Self-clean can be activated remotely if both the self-clean mode is programmed (pressing the Self-clean button) and the "remote mode" are set at the physical appliance. The door shall immediately lock when the self-clean mode is selected before the user can activate this function remotely.~~
- e) ~~Remote cancellation of any unattended cooking mode or changes to an on-going cooking mode by the user is allowed.~~
- f) ~~Remote uploading of proprietary cooking algorithms by the user is allowed. However, reprogramming of any protective function is prohibited.~~

~~SA5.7 The manual means of actuating smart-enabled, delayed or remote operation of the appliance shall be clearly indicated via marking adjacent to the user actuator. See SA2.6.3.~~

BSR/UL 1254, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing System Units

1. Update Commercial Grade Heptane Specifications

PROPOSAL

5.11 HEPTANE - Commercial grade heptane having the following characteristics:

- a) A minimum initial Boiling Point of 88°C (190 °F);
- b) A maximum dry point of 100°C (212°F); and
- c) A specific gravity of 0.67 ~~0.68~~ - 0.73 [15.6°C/15.6°C (60°F/60°F)].

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BSR/UL 2775, Standard for Safety for Fixed Condensed Aerosol Extinguishing System Units

1. Update Commercial Grade Heptane Specifications

PROPOSAL

5.15 HEPTANE - A commercial grade hydrocarbon used as a test fuel with the following characteristics:

Minimum Initial boiling point 88°C (190°F)
Maximum Dry point 100°C (212°F)
Specific gravity (60°F/60°F) (15.6°C/15.6°C) 0. 67 ~~0.69~~ - 0.73

2. Integral Electrical Fitting Connections

PROPOSAL

8.6.1 An integral electrical fitting connection, such as a male cable fitting, female cable fitting, or similar, used as part of an extinguishing system unit shall comply with the Standard for Conduit, Tubing, or Cable Fittings, UL 514B.

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