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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.**
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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: April 8, 2018

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

Addenda

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

This proposed addendum revises section 6.4.3.6 to clarify the intent of the section and revise dehumidification requirements.

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

This proposed addendum introduces a new defined term "process application" for clarification purposes.

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

This addendum addresses section G3.1.1(c). The proposed changes clarify the modeling rules as follows, to ensure that the intent of this section is met: (a) An exception is added to Table G3.1 No 4 Schedules, to clarify that the baseline system HVAC fan schedule may differ from proposed to meet the intent of Section G3.1.1(c); (b) An exception is added to Table G3.1 No 7 Thermal Blocks – HVAC Zones Designed to disallow aggregating HVAC zones that have significantly different peak internal loads or schedule into thermal block with other zones. For example, the current language would allow aggregating HVAC zones that are occupied 24/7 with HVAC zones that are occupied 40 hours per week, hindering application of G3.1.1(c); and (c) Section G3.1.2.4 is updated to clarify that it applies to HVAC zones and not individual spaces within a zone.

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

The proposed addendum adds a method to exempt pool room dehumidifiers from exhaust air energy recovery and requires pool room dehumidifiers to utilize energy recovery by one of three other options.

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

The ISC to Addendum t moves the proposed language from the text of 9.4.2 to a new row at the end of Table 9.4.2-2 for clarity. This change is the result of a comment received to Addendum t.

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

This addendum makes independent substantive changes to the previous public review draft in reference to section 6.5.6.3, Heat Recovery for Space Conditioning.

[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>

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

Revision

BSR/CSA B45.8/IAPMO Z403-201x, Terrazzo, concrete, composite stone, and natural stone plumbing fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2013)

This Standard covers terrazzo, concrete, composite stone, and natural stone plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings of these fixtures. This Standard covers the following plumbing fixtures: (a) bathtubs and combination tub/showers; (b) lavatories; (c) shower bases and shower stalls; and (d) sinks: (i) bar sinks; (ii) kitchen sinks; (iii) laundry sinks; (iv) service sinks; and (v) wash fountains.

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

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

NSF (NSF International)**Revision**

BSR/NSF 49-201x (i112r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

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

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

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

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

BSR/UL 13-201x, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2017)

(1) Introduction of optional suffixes HF, LSHF, and ST1, and deletion of LS.

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

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

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

BSR/UL 444-201x, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2017)

(1) Addition of jackets of expanded material; (2) Introduction of optional suffixes HF, LSHF, and ST1.

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

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

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

BSR/UL 1203-201X, Standard for Safety for Explosion-Proof and Dust-Ignition Proof Electrical Equipment for Use in Hazardous (Classified) Locations (revision of ANSI/UL 1203-2018)

This proposal includes revisions to delete clause 1.5 from the Scope section of the Standard.

[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.)**Revision**

BSR/UL 1468-201x, Standard for Safety for Direct Acting Pressure Reducing and Pressure Restricting Valves (revision of ANSI/UL 1468-2016)

(1) Clarifications for pressure restricting valves.

[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 1651-201x, Standard for Safety for Optical Fiber Cables (revision of ANSI/UL 1651-2015)

(1) New suffixes HF and LSHF.

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

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

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

BSR/UL 1769-201x, Standard for Safety for Cylinder Valves (revision of ANSI/UL 1769-2016)

The following is being proposed: (1) Revision to tolerances in the Manufacturing and Production Test.

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

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

Comment Deadline: April 23, 2018**ASA (ASC S12) (Acoustical Society of America)****New Standard**

BSR ASA S12.71-201x, Performance Criteria for Systems that Estimate the Attenuation of Passive Hearing Protectors for Individual Users (new standard)

Pertains to systems intended to estimate attenuation of hearing protection devices (HPDs) obtained by individual wearers in actual practice. Such systems are designated field attenuation estimation systems (FAESs). Provides classification of FAESs and specifies performance criteria. Details evaluation methodology and statistical calculations to be done on such systems to state uncertainty associated with individual attenuation estimates they provide and gives a method for computing a personal attenuation rating.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

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

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

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

ANSI/ASA S12.9-2008/Part 6, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 6: Methods for Estimation of Awakenings Associated with Outdoor Noise Events Heard in Homes (withdrawal of ANSI/ASA S12.9-2008/Part 6)

Provides a method to predict sleep disturbance in terms of percentage of awakenings or numbers of people awakened associated with noise levels in terms of indoor A-weighted sound exposure level/ASEL. Developed from field studies of behavioral awakening mostly in homes near areas of routine jet aircraft takeoff and landing operations, railroads, roads, and highways. The database used to derive the method consists of ~10,000 subject-nights of observations in a variety of communities in the U.S. and Netherlands. The WG responsible for the maintenance of this standard has decided to withdraw the standard and replace it with a Technical Report.

Single copy price: \$110.00

Obtain an electronic copy from: asastds@acousticalsociety.org

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

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

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

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

Tables G3.4-1 thru 8 define the Assembly Maximum SHGC by climate zone and space type to be used in the baseline building. Table G3.4-8 has multiple instances where the defined Assembly Maximum SHGC is NR (No Requirement). Table G3.1.5(c) defines SHGC values where no requirement is noted to be determined in accordance with Section C3.6(c). This addenda incorporates the values as determined in accordance with Section C3.6(c). This appendix also incorporates Visible Transmittance values as defined by Table 3.1 Section 5.

Single copy price: \$35.00

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

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

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

This addendum makes independent substantive changes to the previous public review draft of addendum bg which addresses the interior and exterior lighting power allowances in the simplified building method approach.

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ASSE (Safety) (American Society of Safety Engineers)**New National Adoption**

BSR/ASSE/ISO 45001-201X, Occupational health and safety management systems - Requirements with guidance for use (identical national adoption of ISO 45001-2018)

This document specifies requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces, by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance. This document is applicable to any organization that wishes to establish, implement, and maintain an OH&S management system to improve occupational health and safety, eliminate hazards and minimize OH&S risks (including system deficiencies), take advantage of OH&S opportunities, and address OH&S management system nonconformities associated with its activities.

Single copy price: \$110.00

Obtain an electronic copy from: TFisher@ASSE.Org (Tim Fisher)

Order from: Tim Fisher, (847) 768-3411, TFisher@ASSE.org

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

ASTM (ASTM International)**New Standard**

BSR/ASTM E585-201x, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK30656-201x, Test Method for Determining the Fire-Test Response Characteristics of Building Spandrel-Panel Assemblies due to External Spread of Fire (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK55841-201x, Specification for Impact Attenuation of Turf Playing Systems Using the Hemispherical Procedure E Missile (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK57953-201x, Guide for Installation and Application of Type C Portable Tanks for Marine LNG Service (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK58249-201x, Guide to General Reliability (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK59245-201x, Test Method for Determining Impact Attenuation of Playground Surfaces within the Use Zone of Playground Equipment as Tested in the Field (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK61399-201x, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**New Standard**

BSR/ASTM WK61767-201x, Test Method for Measurement of Impurities in Graphite by Electrothermal Vaporization Inductively Coupled Plasma Optical Emission Spectrometry (ETV-ICP OES) (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM D3212-2017 (R201x), Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (reaffirmation of ANSI/ASTM D3212-2017)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM D4803-2010 (R201x), Test Method for Predicting Heat Buildup in PVC Building Products (reaffirmation of ANSI/ASTM D4803-2010)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E141-2010 (R201x), Practice for Acceptance of Evidence Based on the Results of Probability Sampling (reaffirmation of ANSI/ASTM E141-2010)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E235-2017 (R201x), Specification for Thermocouples, Sheathed, Type K and Type N, for Nuclear or for Other High-Reliability Applications (reaffirmation of ANSI/ASTM E235-2017)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E452-2017 (R201x), Test Method for Calibration of Refractory Metal Thermocouples Using a Radiation Thermometer (reaffirmation of ANSI/ASTM E452-2017)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E1488-2012 (R201x), Guide for Statistical Procedures to Use in Developing and Applying Test Methods (reaffirmation of ANSI/ASTM E1488-2012)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E2555-2012 (R201x), Practice for Factors and Procedures for Applying the MIL-STD-105 Plans in Life and Reliability Inspection (reaffirmation of ANSI/ASTM E2555-2012)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E2632-2013 (R201x), Test Method for Evaluating the Under-Deck Fire Test Response of Deck Materials (reaffirmation of ANSI/ASTM E2632-2013)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E2910-2012 (R201x), Guide for Preferred Methods for Acceptance of Product (reaffirmation of ANSI/ASTM E2910-2012)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F513-2012 (R201x), Specification for Eye and Face Protective Equipment for Hockey Players (reaffirmation of ANSI/ASTM F513-2012)

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F783-1988 (R201x), Specification for Staple, Handgrab, Handle, and Stirrup Rung (reaffirmation of ANSI/ASTM F783-1988 (R2013))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F821-2001 (R201x), Specification for Domestic Use Doors and Frames, Steel, Interior, Marine (reaffirmation of ANSI/ASTM F821-2001 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F956-1991 (R201x), Specification for Bell, Cast, Sound Signalling (reaffirmation of ANSI/ASTM F956-1991 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F957-1991 (R201x), Specification for Gong, Sound Signaling (reaffirmation of ANSI/ASTM F957-1991 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F1003-2002 (R201x), Specification for Searchlights on Motor Lifeboats (reaffirmation of ANSI/ASTM F1003-2002 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F1014-2002 (R201x), Specification for Flashlights on Vessels (reaffirmation of ANSI/ASTM F1014-2002 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F1019M-2001 (R201x), Specification for Steel Deck Gear Stowage Box [Metric] (reaffirmation of ANSI/ASTM F1019M-2001 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F1068-1990 (R201x), Specification for Doors, Double, Gastight/Airtight, Individually Dogged, for Marine Use (reaffirmation of ANSI/ASTM F1068-1990 (R2012))

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ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F1071-1994 (R201x), Specification for Expanded-Metal Bulkhead Panels (reaffirmation of ANSI/ASTM F1071-1994 (R2012))

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1674-201x, Test Method for Joint Restraint Products for Use with PVC Pipe (revision of ANSI/ASTM F1674-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F1776-201x, Specification for Eye Protective Devices for Paintball Sports (revision of ANSI/ASTM F1776-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F2159-201x, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2334-201x, Guide for Above Ground Public Use Skatepark Facilities (revision of ANSI/ASTM F2334-2009 (R2017))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2480-201x, Guide for In-Ground Concrete Skatepark (revision of ANSI/ASTM F2480-2006 (R2017))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2618-201x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems (revision of ANSI/ASTM F2618-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F2681-201x, Specification for Body Protectors Used in Equine Racing (revision of ANSI/ASTM F2681-2008 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2767-201x, Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide-12 Pipe and Tubing for Gas Distribution (revision of ANSI/ASTM F2767-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2785-201x, Specification for Polyamide 12 Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM F2785-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2829-201x, Specification for Metric- and Inch-Sized Crosslinked Polyethylene (PEX) Pipe Systems (revision of ANSI/ASTM F2829-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F2879-201x, Specification for Eye Protective Devices for Airsoft Sports (revision of ANSI/ASTM F2879-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2949-201x, Specification for Pole Vault Box Collars (revision of ANSI/ASTM F2949-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F3023-201x, Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers (revision of ANSI/ASTM F3023-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)**Revision**

BSR/ASTM F3123-201x, Specification for Metric Outside Diameter Polyethylene (PE) Plastic Pipe (DR-PN) (revision of ANSI/ASTM F3123-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ATIS (Alliance for Telecommunications Industry Solutions)**Reaffirmation**

BSR ATIS 0300208-2013 (R201x), Operations, Administration, Maintenance, and Provisioning (OAM&P) Upper-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (reaffirmation of ANSI ATIS 0300208-2013)

It is the intention of this standard to use and align with the relevant ITU-T Recommendation. This alignment effort consists of adopting ITU-T Recommendation Q.812, Upper layer protocols profiles for the Q and X interfaces.

Single copy price: \$30.00

Obtain an electronic copy from: ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Revision**

BSR/ATIS 0600003-201x, Battery Enclosure and Rooms/Areas (revision of ANSI/ATIS 0600003-2007 (R2012))

The purpose of this standard is to develop industry-wide requirements including methods and procedures for the control of battery room and enclosure environments. This includes adequate ventilation of battery-generated gases, the dissipation of battery-generated heat, the control of room and enclosure temperature, the management of battery electrolyte spills, and in general the control of any contaminants within the battery room or enclosure.

Single copy price: \$175.00

Obtain an electronic copy from: ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Revision**

BSR/ATIS 0600307-201x, Fire Resistance Criteria Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI ATIS 0600307-2014)

This standard covers the fire-resistance characteristics of equipment assemblies and selected products and materials used within telecommunications network equipment facilities and spaces of similar function. This standard – along with that latest published version of ATIS 0600319 – shall be used as the means of appraising fire risk within a telecommunications network equipment facility or space with similar function.

Single copy price: \$60.00

Obtain an electronic copy from: ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0300204-2008 (S201x), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Lower-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (stabilized maintenance of ANSI ATIS 0300204-2008 (R2013))

Aligns American National Standard with the relevant ITU-T Recommendation. This alignment effort is adopting ITU-T Recommendation Q.811, Lower Layer Protocols Profiles for the Q and X interfaces. For the purpose of this standard, the ANSI NSAP address format is considered to be normative.

Single copy price: \$30.00

Obtain an electronic copy from: ablasgen@atis.org

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

AWI (Architectural Woodwork Institute)

New Standard

BSR/AWI 0620-201x, Finish Carpentry/Installation (new standard)

The AWI 0620 Finish Carpentry/Installation Standard is intended to provide comprehensive guidelines for the installation and finishing of architectural woodwork and related interior products.

Single copy price: Free

Obtain an electronic copy from: agoodin@awinet.org

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

AWWA (American Water Works Association)

New Standard

BSR/AWWA C305-201x, CFRP Renewal and Strengthening of PCCP (new standard)

The purpose of this standard is to provide a consensus document that reflects the state of technology for material selection, design, installation, and quality control and quality assurance of the CFRP renewal and strengthening of PCCP. The scope of this standard covers all prestressed concrete cylinder pipe, embedded-cylinder type and lined-cylinder type, and non-cylinder prestressed concrete pipe.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

B11 (B11 Standards, Inc.)

Reaffirmation

BSR/ISO 12100-2012 (R201x), Safety of machinery - General principles for design - Risk assessment and risk reduction (reaffirmation of ANSI/ISO 12100-2012)

This International Standard specifies basic terminology, principles, and a methodology for achieving safety in the design of machinery. It specifies principles of risk assessment and risk reduction to help designers in achieving this objective. These principles are based on knowledge and experience of the design, use, incidents, accidents, and risks associated with machinery. Procedures are described for identifying hazards and estimating and evaluating risks during relevant phases of the machine life cycle, and for the elimination of hazards or the provision of sufficient risk reduction. Guidance is given on the documentation and verification of the risk assessment and risk reduction process.

Single copy price: \$200.00

Obtain an electronic copy from: cfelinski@b11standards.org

Send comments (with copy to psa@ansi.org) to: dfelinski@b11standards.org

ESTA (Entertainment Services and Technology Association)

Revision

BSR E1.8-201x, Entertainment Technology - Loudspeaker Enclosures Intended for Overhead Suspension - Classification, Manufacture and Structural Testing (revision of ANSI E1.8-2012)

This standard addresses the requirements for speaker enclosures intended for overhead suspension. It addresses only the structural characteristics relating to the suspension of the enclosure. These include enclosure construction, component part security, enclosure suspension hardware, manufacturing control systems, and structural testing. The standard is being opened for revision to clarify the requirements of the standard and to revisit them in light of current manufacturing technology.

Single copy price: Free

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

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

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

HL7 (Health Level Seven)

New Standard

BSR/HL7 TEMPLATES, R1-201x, HL7 Templates Standard: Specification and Use of Reusable Information Constraint Templates, Release 1 (new standard)

This standard specifies designing, implementing, and validating templates and defines a template interchange format. It covers: specifying constraints (design principles); registration and revision of templates (versioning); relationships between templates and between templates and underlying models; registering intended uses for particular initiatives; management and governance recommendations; templates in interoperability initiatives and communicating templates between applications.

Single copy price: Free to member; free to non-members 90 days following ANSI approval

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

IKECA (International Kitchen Exhaust Cleaning Association)

New Standard

BSR/IKECA M-10-201x, M-10 Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (new standard)

This standard is to define acceptable methods to operate and maintain commercial kitchen exhaust systems by end users in the interim between professional system cleaning services. It applies to, but is not limited to, Type I exhaust systems as defined by NFPA 96 (NFPA 96, A.3.3.33). This standard does not apply to residential kitchen exhaust systems, replacement air systems, heating and air-conditioning systems, dryer exhaust systems, and toilet exhaust systems

Single copy price: 30.00 (non-members); \$24.00 (IKECA members)

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

Order from: International Kitchen Exhaust Cleaning System (IKECA); information@ikeca.org

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

ISA (International Society of Automation)

New National Adoption

BSR/ISA 62443-2-4-201x, Security for Industrial Automation and Control Systems - Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4)

Specifies a comprehensive set of requirements for security capabilities for industrial automation and control systems (IACS) service providers that they can offer to the asset owner during integration and maintenance activities of an automation solution.

Single copy price: \$400.00

Obtain an electronic copy from: ebrazda@isa.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Benefit Integration Standard v13-201x, NCPDP Benefit Integration Standard v13 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v12-2017)

The Benefit Integration Standard Implementation Guide supports the communication of accumulator data in a standard format via transactions that are used to facilitate the delivery and receipt of this information. These transactions provide administrative efficiencies and allow for an industry standard to be used to share accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Post Adj v48-201x, NCPDP Post Adjudication Standard v48 (revision and redesignation of ANSI/NCPDP Post Adj v47-2017)

The goal of this implementation guide is to support the development of a common format for post-adjudicated pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the communication of patient pharmacy transaction data. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP RDS Standard v21-201x, NCPDP Retiree Drug Subsidy Standard Implementation Guide v21 (revision and redesignation of ANSI/NCPDP RDS Standard v2.0-2013)

The NCPDP Retiree Drug Subsidy Standard Implementation Guide assists in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity. This document pertains to subsidy data transfers from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager during the middle of a subsidy plan/reporting year.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP SC WG110078201xxx-201x, NCPDP SCRIPT Standard 201xxx (revision and redesignation of ANSI/NCPDP SC WG110077201xxx-201x)

The SCRIPT Standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Specialized Standard WG110078201xxx-201x, NCPDP Specialized Standard WG110078201xxx (revision and redesignation of ANSI/NCPDP Specialized Standard WG110077201xxx-201x)

The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP TC vF3-201x, NCPDP Telecommunication Standard vF3 (revision and redesignation of ANSI/NCPDP TC vF2-2017)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol, and other appropriate telecommunication requirements.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Uniform Healthcare Payer Data Standard v25-201x, NCPDP Uniform Healthcare Payer Data Standard v25 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v24-2017)

This implementation guide is to support the development of a common format for pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the reporting requirements of claim data to states or their designees. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NSF (NSF International)

New Standard

BSR/NSF 244-3-201x (i1r15), Supplemental Microbiological Water Treatment Systems - Filtration (new standard)

The point-of-use and point-of-entry systems addressed by this standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This standard establishes requirements for point-of-use and point-of-entry drinking water treatment systems, and the materials and components used in these systems.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=41479

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

UL (Underwriters Laboratories, Inc.)

Revision

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

This proposal for UL 498 covers (1) the addition of requirements for Spring Action Terminal Clamps and (2) the addition of requirements for (a) Cord Connectors of the ANSI/NEMA 1-15R, 5-15R, 5-20R, 6-15R, or 6-20R Configurations Employing a Rotational-Actuated Latching Mechanism and (b) Tamper-Resistant and Non-Tamper-Resistant Straight-Blade Receptacle Employing a Rotational-Actuated Latching Mechanism.

Single copy price: Free

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

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

Comment Deadline: May 8, 2018

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 749-201X, Standard for Safety for Household Dishwashers (Proposal dated 3-9-18) (revision of ANSI/UL 749-2017)

Proposed 11th edition of UL 749.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

Comment Deadline: May 9, 2018

The National Fire Protection Association announces the availability of 2019 Annual Revision Cycle First Draft Reports for concurrent review and comment by NFPA and ANSI. The disposition of all comments received will be published in the Second Draft Reports, located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/101next), can easily access the document's information page. All comments on the 2019 Annual Revision Cycle First Draft Reports must be received by May 9, 2018. The First Draft Reports for documents in the 2019 Annual Revision Cycle contain the disposition of public input received for those proposed documents. Anyone wishing to review any of the First Draft Reports for the 2019 Annual Revision Cycle may do so on each document's information page under the next edition tab. The document's specific URL, for example www.nfpa.org/doc#next (www.nfpa.org/101next), can easily access the document's information page. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website at <http://www.nfpa.org> or contact NFPA's Codes and Standards Administration, at NFPA, One Batterymarch Park, Quincy, MA, 02269-7471. Those who send comments to NFPA on the related documents are invited to copy ANSI's Board of Standards Review.

Comment Deadline: May 9, 2018

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

NFPA (National Fire Protection Association)

New Standard

BSR/NFPA 1082-201x, Standard for Building Fire and Life Safety Director Professional Qualifications (new standard)

This standard identifies the minimum job performance requirements (JPRs) for building fire and life safety directors.

NFPA (National Fire Protection Association)

New Standard

BSR/NFPA 1877-201x, Standard on Selection, Care, and Maintenance of Wildland Fire Fighting Protective Clothing and Equipment (new standard)

This standard shall specify the minimum requirements used for selection, care, and maintenance of wildland fire fighting protective clothing and equipment: garments, helmets, gloves, footwear, face/neck shrouds, goggles, chain saw protection, and load carrying equipment that are compliant with NFPA 1977, Standard on Wildland Fire Fighting Protective Clothing and Equipment. This standard shall not specify requirements for other organizational programs such as appropriate use of structural firefighting or proximity firefighting protective ensembles for training, for operations, or for infection control, because these programs are under the jurisdiction of other NFPA standards.

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 2-201x, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2015)

The purpose of this code shall be to provide fundamental safeguards for the generation, installation, storage, piping, use, and handling of hydrogen in compressed gas (GH₂) form or cryogenic liquid (LH₂) form. This code shall apply to the production, storage, transfer, and use of hydrogen in all occupancies.

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 25-201x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2017)

This document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire-protection systems and the actions to undertake when changes in occupancy, use, process, materials, hazard, or water supply that potentially impact the performance of the water-based system are planned or identified. This standard does not address all of the inspection, testing, and maintenance of the electrical components of the automatic fire detection equipment used to activate preaction and deluge systems that are addressed by NFPA 72. The inspection, testing, and maintenance required by this standard and NFPA 72 shall be coordinated so that the system operates as intended. All inspections, testing, and maintenance required by NFPA 72 shall conform to NFPA 72, and all inspections, testing, and maintenance required by this standard shall conform to this standard. The types of systems addressed by this standard include, but are not limited to, sprinkler, standpipe and hose, fixed water spray, private fire hydrants, water mist, and foam water. Water supplies that are part of these systems, such as private fire service mains and appurtenances, fire pumps and water storage tanks, and valves that control system flow, are also included in this standard. This standard addresses the operating condition of fire protection systems as well as impairment handling and reporting and applies to fire protection systems that have been properly installed in accordance with generally accepted practice. This standard does not require the inspector to verify the adequacy of the design of the system. Corrective action needed to ensure that a system operates in a satisfactory manner shall be in accordance with this standard unless this standard specifically refers to an appropriate installation standard. Unless required by Chapter 16, this standard shall not apply to sprinkler systems designed, installed, and maintained in accordance with NFPA 13D.

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 55-201x, Compressed Gases and Cryogenic Fluids Code (revision of ANSI/NFPA 55-2015)

This code shall apply to the installation, storage, use, and handling of compressed gases and cryogenic fluids in portable and stationary cylinders, containers, equipment, and tanks in all occupancies.

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 130-201x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2017)

This standard shall cover life safety from fire and fire protection requirements for fixed guideway transit and passenger rail systems, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems. Fixed guideway transit and passenger rail stations shall pertain to stations accommodating only passengers and employees of the fixed guideway transit and passenger rail systems and incidental occupancies in the stations. This standard establishes minimum requirements for each of the identified subsystems.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 302-201x, Fire Protection Standard for Pleasure and Commercial Motor Craft (revision of ANSI/NFPA 302-2015)

This standard shall establish minimum requirements for the prevention of fire and explosion, for mitigation of carbon monoxide hazards, and for life safety in case of fire, on boats specified in Section 1.3. This standard shall establish minimum requirements for the following: (1) Elimination of ignition sources; (2) Ventilation of accommodation spaces, fuel tank compartments (if separate from machinery spaces), and machinery spaces; (3) Use of combustible materials; (4) Fire-extinguishing equipment and fire exits; (5) Control of fire-extinguishing agents in machinery spaces; and (6) Mitigation of carbon monoxide hazards from all sources.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 405-201x, Standard for the Recurring Proficiency of Airport Fire Fighters (revision of ANSI/NFPA 405-2014)

This standard contains the required performance criteria by which an authority having jurisdiction over aircraft rescue and fire fighting (ARFF) maintains proficiency and effective ARFF at airports.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 412-201x, Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment (revision of ANSI/NFPA 412-2013)

This standard establishes test procedures for evaluating the foam fire-fighting equipment installed on aircraft rescue and fire-fighting vehicles designed in accordance with NFPA 414.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 414-201x, Standard for Aircraft Rescue and Fire-Fighting Vehicles (revision of ANSI/NFPA 414-2011)

This standard specifies the minimum design, performance, and acceptance criteria for aircraft rescue and firefighting (ARFF) vehicles intended to transport personnel and equipment to the scene of an aircraft emergency for the purpose of rescuing occupants and conducting rescue and fire-fighting operations.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 502-201x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2013)

This standard provides fire protection and fire life-safety requirements for limited-access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. This standard establishes minimum requirements for each of the identified facilities.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 556-201x, Guide on Methods for Evaluating Fire Hazard to Occupants of Passenger Road Vehicles (revision of ANSI/NFPA 556-2015)

This guide addresses issues associated with the development of hazardous conditions from fire involving passenger road vehicles and the time available for safe egress or rescue. This document provides guidance toward a systematic approach of the determination of the relationship between the properties of passenger road vehicles, including the materials, components and systems, and the development of hazardous conditions in the vehicle. This approach can include small-scale testing, full-scale testing of systems or entire vehicles, and computer modeling techniques in specified, well-defined scenarios. The principles and concepts presented in this guide provide a methodology that can be used to determine the effects of changes in design or in the properties of materials, components, and assemblies in passenger road vehicles on the development of hazardous fire conditions in passenger road vehicles in response to specified well-defined scenarios. This guide provides a methodology that can be used in the selection of materials and design of components and systems, with the intent of providing a desired level of fire safety to occupants in passenger road vehicles in response to specific fire scenarios. The use of this guide cannot eliminate all fire risk in passenger road vehicles. The uncertainty of the fire hazard analysis resulting from the application of this guide is a function of the accuracy, precision, and relevance of the data, correlations, test methods, calculations, and simulations used.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 557-201x, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2015)

The scope of this standard is the determination of the fire load and fire load density to be used as the basis for the evaluation and design of the structural fire performance of a building. The determination of a design-basis fire is outside the scope of this standard. This document is not intended to address facilities for storage of hazardous materials.

NFPA (National Fire Protection Association)**Revision**

BSR/NFPA 654-201x, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (revision of ANSI/NFPA 654-2017)

This standard provides requirements for all phases of the manufacturing, processing, blending, conveying, repackaging, and handling of combustible particulate solids or hybrid mixtures, regardless of concentration or particle size, where the materials present a fire, a flash fire, or an explosion hazard. The owner/operator shall be responsible for implementing the requirements in this standard.

NFPA (National Fire Protection Association)***Revision***

BSR/NFPA 820-201x, Standard for Fire Protection in Wastewater Treatment and Collection Facilities (revision of ANSI/NFPA 820-2015)

This standard shall establish minimum requirements for protection against fire and explosion hazards in wastewater treatment plants and associated collection systems, including the hazard classification of specific areas and processes. This standard shall apply to the following: (1) Collection sewers, (2) Trunk sewers, (3) Intercepting sewers, (4) Combined sewers, (5) Storm sewers, (6) Pumping stations, (7) Wastewater treatment plants, (8) Sludge-handling facilities, (9) Chemical-handling facilities, (10) Treatment facilities, and (11) Ancillary structures (see 3.3.60.1). This standard shall not apply to the following: (1) Collection, treatment, or disposal of industrial wastes or manufactured by-products that are treated on-site and not discharged to a publicly or privately operated municipal facility; (2) On-site treatment systems (see 3.3.61.1); (3) Pressure sewer systems (see 3.3.54.8); (4) Building drain systems and appurtenances (see 3.3.5); (5) Industrial sewer systems and appurtenances (see 3.3.54.5); (6) Personnel safety from toxic and hazardous materials or products of combustion; and (7) Separate nonprocess-related structures (see 3.3.60.2).

NFPA (National Fire Protection Association)***Revision***

BSR/NFPA 1720-201x, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations to the Public by Volunteer Fire Departments (revision of ANSI/NFPA 1720-2013)

This standard contains minimum requirements relating to the organization and deployment of fire-suppression operations, emergency medical operations, and special operations to the public by volunteer and combination fire departments. The requirements address functions and outcomes of fire department emergency service delivery, response capabilities, and resources. This standard also contains minimum requirements for managing resources and systems, such as health and safety, incident management, training, communications, and preincident planning. This standard addresses the strategic and system issues involving the organization, operation, and deployment of a fire department and does not address tactical operations at a specific emergency incident. This standard does not address fire prevention, community education, fire investigations, support services, personnel management, and budgeting.

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.

ASSE (Safety) (American Society of Safety Engineers)

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

Contact: *Tim Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE/ISO 45001-201X, Occupational health and safety management systems - Requirements with guidance for use (identical national adoption of ISO 45001-2018)

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW
Suite 500
Washington, DC 20005

Contact: *Alexandra Blasgen*

Phone: (202) 434-8840

E-mail: ablasgen@atis.org

BSR/ATIS 0600003-201x, Battery Enclosure and Rooms/Areas (revision of ANSI/ATIS 0600003-2007 (R2012))

BSR/ATIS 0600307-201x, Fire Resistance Criteria Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI ATIS 0600307-2014)

CPA (Composite Panel Association)

Office: 19465 Deerfield Avenue
Suite 306
Leesburg, VA 20176

Contact: *Gary Heroux*

Phone: (703) 724-1128

Fax: (703) 724-1588

E-mail: gheroux@cpamail.org

BSR A135.4-2012 (R201x), Basic Hardboard (reaffirmation of ANSI A135.4-2012)

BSR A135.5-2012 (R201x), Prefinished Hardboard Paneling (reaffirmation of ANSI A135.5-2012)

BSR A135.6-2012 (R201x), Engineered Wood Siding (reaffirmation of ANSI A135.6-2012)

BSR A135.7-2010 (R201x), Engineered Wood Trim (reaffirmation of ANSI A135.7-2010)

IES (Illuminating Engineering Society)

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

Contact: *Patricia McGillicuddy*

Phone: (917) 913-0027

E-mail: pmcgillicuddy@ies.org

BSR/IES LM-C303-201x, IES Guide to Application Distance Specific Radiometry (new standard)

IKECA (International Kitchen Exhaust Cleaning Association)

Office: 100 North 20th Street
Suite 400
Philadelphia, PA 19103-1443

Contact: *John Dixon*

Phone: (215) 320-3876

E-mail: information@ikeca.org

BSR/IKECA M-10-201x, M-10 Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (new standard)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 62443-2-4-201x, Security for Industrial Automation and Control Systems Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4)

NSF (NSF International)

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

Contact: *Monica Leslie*

Phone: (734) 827-5643

Fax: (734) 827-7880

E-mail: mleslie@nsf.org

BSR/NSF 244-3-201x (i1r15), Supplemental Microbiological Water Treatment Systems - Filtration (new standard)

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.

ABMA (ASC B3) (American Bearing Manufacturers Association)

New National Adoption

ANSI ABMA/ISO 15242-4-2018, Rolling Bearings - Measuring Methods for Vibration - Part 4: Radial Cylindrical Roller Bearings with Cylindrical Bore and Outside Surface (identical national adoption of ISO 15242-4:2017): 2/27/2018

ANS (American Nuclear Society)

New Standard

ANSI/ANS 57.3-2018, Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants (new standard): 2/27/2018

Reaffirmation

ANSI/ANS 15.21-2012 (R2018), Format and Content for Safety Analysis Reports for Research Reactors (reaffirmation of ANSI/ANS 15.21-2012): 2/27/2018

API (American Petroleum Institute)

Reaffirmation

ANSI/API Spec 6A/ISO 10423-2010 (R2018), Specification for Wellhead and Christmas Tree Equipment (reaffirmation of ANSI/API Spec 6A/ISO 10423-2010): 2/27/2018

APT (ASC CGATS) (Association for Print Technologies)

New National Adoption

ANSI CGATS/ISO 12641-1-2018, Graphic technology - Prepress digital data exchange - Colour targets for input scanner calibration - Part 1: Colour targets for input scanner calibration (identical national adoption of ISO 12641-1): 2/27/2018

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASAE EP364.4-FEB-2013 (R2018), Installation and Maintenance of Farm Standby Electric Power (reaffirmation of ANSI/ASAE EP364.4-FEB-2013): 3/5/2018

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

ANSI X9.103-2004 (R2018), Motor Vehicle Retail Sale and Lease Electronic Contracting (reaffirmation of ANSI X9.103-2004 (R2010)): 3/6/2018

Revision

ANSI X9.111-2018, Penetration Testing within the Financial Services Industry (revision of ANSI X9.111-2011 (R2017)): 2/28/2018

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

Addenda

ANSI/ASHRAE Addendum 62.1d-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 2/21/2018

ANSI/ASHRAE Addendum 62.2h-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 2/21/2018

ANSI/ASHRAE Addendum 62.2j-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 2/21/2018

ANSI/ASHRAE Addendum 62.2m-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 2/21/2018

ANSI/ASHRAE/ICC/IES/USGBC 189.1ar-2018, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 2/21/2018

ASME (American Society of Mechanical Engineers)

New Standard

* ANSI/ASME B89.1.14-2018, Calipers (new standard): 2/27/2018

ANSI/ASME PTC 19.6-2018, Electrical Power Measurements (new standard): 2/27/2018

ASTM (ASTM International)

Revision

ANSI/ASTM D3241-2018, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2016): 2/15/2018

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

ANSI ATIS 1000017-2008 (S2018), Interworking between the ISDN User-Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS) (stabilized maintenance of ANSI ATIS 1000017-2008 (R2013)): 2/27/2018

ANSI ATIS 1000026-2008 (S2018), Session Border Controller Functions and Requirements (stabilized maintenance of ANSI ATIS 1000026-2008 (R2013)): 2/27/2018

ANSI ATIS 1000028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard (stabilized maintenance of ANSI ATIS 1000028-2008 (R2013)): 2/27/2018

ANSI ATIS 1000029-2008 (S2018), Security Requirements for NGN (stabilized maintenance of ANSI ATIS 1000029-2008 (R2013)): 2/27/2018

ANSI ATIS 1000030-2008 (S2018), Authentication and Authorization Requirements for Next Generation Network (NGN) (stabilized maintenance of ANSI ATIS 1000030-2008 (R2013)): 2/27/2018

ANSI ATIS 1000104-1991 (S2018), Exchange-Interchange Carrier Interfaces - Individual Channel Signaling Protocols (stabilized maintenance of ANSI ATIS 1000104-1991 (R2013)): 2/27/2018

ANSI ATIS 1000610-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services (stabilized maintenance of ANSI ATIS 1000610-1998 (R2013)): 2/27/2018

ANSI ATIS 1000610.a-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services, Modification to the Redirection Number Information Element (stabilized maintenance of ANSI ATIS 1000610.a-1998 (R2013)): 2/27/2018

ANSI ATIS 1000611-1991 (S2018), Signaling System Number 7 (SS7) - Supplementary Services for Non-ISDN Subscribers (stabilized maintenance of ANSI ATIS 1000611-1991 (R2013)): 2/27/2018

ANSI ATIS 1000612-1992 (S2018), Integrated Services Digital Network (ISDN) - Terminal Adaptation Using Statistical Multiplexing (stabilized maintenance of ANSI ATIS 1000612-1992 (R2013)): 2/27/2018

ANSI ATIS 1000618-1991 (S2018), Integrated Services Digital Network (ISDN) - Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service (stabilized maintenance of ANSI ATIS 1000618-1991 (R2013)): 2/27/2018

ANSI ATIS 1000622-1999 (S2018), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622-1999 (R2013)): 2/27/2018

ANSI ATIS 1000622.a-1998 (S2018), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622.a-1998 (R2013)): 2/27/2018

ANSI ATIS 1000625-1993 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625-1993 (R2013)): 2/27/2018

ANSI ATIS 1000625.a-1998 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625.a-1998 (R2013)): 2/27/2018

ANSI ATIS 1000643-1998 (S2018), Integrated Services Digital Network (ISDN) - Explicit Call Transfer Supplementary Service (stabilized maintenance of ANSI ATIS 1000643-1998 (R2013)): 2/27/2018

ANSI ATIS 1000645-1995 (S2018), B-ISDN Signaling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at the NNI) (stabilized maintenance of ANSI ATIS 1000645-1995 (R2013)): 2/27/2018

AWS (American Welding Society)

Revision

ANSI/AWS D1.4/D1.4M-2018, Structural Welding Code - Steel Reinforcing Bars (revision of ANSI/AWS D1.4/D1.4M:2011): 2/27/2018

ANSI/AWS D14.3/D14.3M-2018, Specification for Welding Earthmoving, Construction, Agricultural, and Ground-Based Material Handling Equipment (revision of ANSI/AWS D14.3/D14.3M-2010): 2/28/2018

ANSI/AWS D17.2/D17.2M-2018, Specification for Resistance Welding for Aerospace Applications (revision of ANSI/AWS D17.2/D17.2M-2012): 2/27/2018

AWWA (American Water Works Association)

New Standard

ANSI/AWWA G485-2018, Direct Potable Reuse Program Operation and Management (new standard): 2/27/2018

Revision

ANSI/AWWA B504-2018, Monosodium Phosphate (revision of ANSI/AWWA B504-2012): 2/27/2018

ANSI/AWWA B701-2018, Sodium Fluoride (revision of ANSI/AWWA B701-2011): 2/27/2018

ANSI/AWWA B702-2018, Sodium Fluorosilicate (revision of ANSI/AWWA B702-2011): 2/27/2018

ANSI/AWWA G400-2018, Utility Management Systems (revision of ANSI/AWWA G400-2009): 2/27/2018

CSA (CSA Group)

New Standard

ANSI/CSA NGV 6.1-2018, Compressed Natural Gas (CNG) fuel storage and delivery systems for road vehicles (new standard): 2/27/2018

Revision

ANSI Z21.101-2018, Standard for Gas Hose Connectors for Portable and Moveable Gas Appliances (same as CSA 8.5) (revision of ANSI Z21.101-2012 (R2017)): 3/6/2018

ECIA (Electronic Components Industry Association)

Reaffirmation

ANSI/EIA 364-42C-2012 (R2018), Impact Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-42C-2012): 2/27/2018

ANSI/EIA 364-54A-1999 (R2018), Magnetic Permeability Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-54A-1999 (R2012)): 2/27/2018

ANSI/EIA 364-95-1999 (R2018), Full Mating and Mating Stability Test Procedures for Electrical Connectors (reaffirmation of ANSI/EIA 364-95-1999 (R2012)): 2/27/2018

ANSI/EIA 364-99-1999 (R2018), Gage Location and Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-99-1999 (R2012)): 2/27/2018

ANSI/EIA 364-102-1998 (R2018), Rise Time Degradation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-102-1998 (R2012)): 2/27/2018

ANSI/EIA 364-103-1998 (R2018), Propagation Delay Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-103-1998 (R2012)): 2/27/2018

EOS/ESD (ESD Association, Inc.)

New Standard

ANSI/ESD STM4.1-2018, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Worksurfaces - Resistance Measurements (new standard): 2/27/2018

ANSI/ESD SP5.4.1-2018, ESD Association Standard Practice for Latch-up Sensitivity Testing of CMOS/BiCMOS Integrated Circuits - Transient Latch-up Testing - Device Level (new standard): 2/27/2018

ESTA (Entertainment Services and Technology Association)

Reaffirmation

ANSI E1.35-2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (reaffirmation of ANSI E1.35-2013): 2/27/2018

Revision

ANSI E1.14-2018, Entertainment Technology - Recommendations for Fog Equipment Manuals (revision of ANSI E1.14-2001 (R2013)): 2/27/2018

HL7 (Health Level Seven)

Revision

ANSI/HL7 V3 CPM CMET, R4-2018, HL7 Version 3 Standard: Common Product Model CMETs, Release 4 (revision and redesignation of ANSI/HL7 V3 CPM CMET, R3-2016): 2/27/2018

ANSI/HL7 V3 SPL, R8-2018, HL7 Version 3 Standard: Structured Product Labeling, Release 8 (revision and redesignation of ANSI/HL7 V3 SPL, R7-2016): 2/27/2018

HPS (ASC N13) (Health Physics Society)

Revision

ANSI N13.52-2018, Personnel Neutron Dosimeters (Neutron Energies Less than 20MeV) (revision of ANSI N13.52-1999 (R2010)): 2/27/2018

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 802.15.4u-2016, Standard for Low-Rate Wireless Networks - Amendment 3: Use of the 865 MHz to 867 MHz Band in India (new standard): 2/27/2018

ANSI/IEEE 1242-2016, Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants (new standard): 2/27/2018

ANSI/IEEE 1849-2016, Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams (new standard): 2/27/2018

ANSI/IEEE 1898-2016, Standard for High-Voltage Direct-Current (HVDC) Composite Post Insulators (new standard): 2/27/2018

Revision

ANSI/IEEE 1633-2016, Recommended Practice on Software Reliability (revision of ANSI/IEEE 1633-2008): 2/28/2018

ANSI/IEEE C37.42-2016, Standard Specifications for High-Voltage (>1000 V) Fuses and Accessories (revision of ANSI/IEEE C37.42-2009): 2/27/2018

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

New National Adoption

INCITS/ISO 19135-1:2015 [2018], Geographic information - Procedures for item registration - Part 1: Fundamentals (identical national adoption of ISO 19135-1:2015 and revision of INCITS/ISO 19135:2005 [R2016]): 2/28/2018

INCITS/ISO 19104:2016 [2018], Geographic information - Terminology (identical national adoption of ISO 19104:2016): 2/28/2018

INCITS/ISO 19109:2015 [2018], Geographic information - Rules for application schema (identical national adoption of ISO 19109:2015): 2/28/2018

INCITS/ISO 19119:2016 [2018], Geographic information - Services (identical national adoption of ISO 19119:2016 and revision of INCITS/ISO 19119:2005 [R2015]): 2/28/2018

MSS (Manufacturers Standardization Society)

Revision

ANSI/MSS SP-58-2018, Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation (revision of ANSI/MSS SP-58-2009): 2/28/2018

NASBLA (National Association of State Boating Law Administrators)

Supplement

ANSI/NASBLA 103.1-2018, Supplement Basic Boating Knowledge - Water-Jet Propelled Boats (supplement to ANSI/NASBLA 103-2016): 3/2/2018

NSF (NSF International)

Revision

* ANSI/NSF 49-2018 (i47r5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 3/2/2018

ANSI/NSF 50-2018 (i111r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 2/26/2018

* ANSI/NSF 50-2018 (i132r1), Equipment for Swimming Pools, Spas, Hot Tubs (revision of ANSI/NSF 50-2016): 2/23/2018

* ANSI/NSF 50-2018 (i133r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 2/27/2018

* ANSI/NSF 50-2018 (i134r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a): 2/21/2018

* ANSI/NSF 50-2018 (i136r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 2/20/2018

ANSI/NSF 50-2018 (i137r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 3/5/2018

* ANSI/NSF 53-2018 (i108r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2016): 1/31/2018

ANSI/NSF 61-2018 (i138r), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2017): 2/28/2018

* ANSI/NSF 419-2018 (i4r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015): 2/23/2018

RESNET (Residential Energy Services Network, Inc.)

Addenda

* ANSI/RESNET/ICC 301-2014 Addendum G-2018, Solid State Lighting (addenda to ANSI/RESNET/ICC 301-2014): 2/28/2018

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 24-21-2017, BV16 Speech Codec Specification for Voice over IP Applications in Cable Telephony (revision of ANSI/SCTE 24-21-2012): 3/1/2018

ANSI/SCTE 25-3-2017, Hybrid Fiber Coax Outside Plant Status Monitoring - Power Supply to Transponder Interface Bus (PSTIB) Specification v1.1 1.1 (revision of ANSI/SCTE 25-3-2011): 3/1/2018

ANSI/SCTE 38-1-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PROPERTY-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-1-2009): 2/28/2018

ANSI/SCTE 38-2-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-ALARMS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-2-2011): 2/28/2018

ANSI/SCTE 38-3-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2012): 3/2/2018

ANSI/SCTE 38-4-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2012): 2/28/2018

ANSI/SCTE 38-5-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-FIBERNODE-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-5-2008): 2/28/2018

ANSI/SCTE 38-6-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012): 2/28/2018

ANSI/SCTE 38-7-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-Transponder Interface Bus (TIB)-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-7-2008): 2/28/2018

ANSI/SCTE 38-8-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-DOWNLOAD-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-8 2009): 2/28/2018

ANSI/SCTE 38-10-2017, Outside Plant Status Monitoring SCTE-HMS-RF-AMPLIFIER-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-10-2009): 2/28/2018

ANSI/SCTE 38-11-2017, HMS Headend Management Information Base (MIB) SCTE-HMS-HEADENDIDENT-MIB (revision of ANSI/SCTE 38-11-2008): 2/28/2018

ANSI/SCTE 83-1-2017, HMS Inside Plant Management Information Base (MIB) - Part 1: SCTE-HMS-HE-OPTICS-MIB (revision of ANSI/SCTE 83-1-2012): 3/1/2018

ANSI/SCTE 83-3-2017, Hybrid Fiber/Coax Inside Plant Status Monitoring SCTE-HMS-HMTS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 83-3-2009): 3/1/2018

ANSI/SCTE 83-4-2017, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE_RF-MIB (revision of ANSI/SCTE 83-4-2009): 3/1/2018

ANSI/SCTE 84-1-2017, HMS Common Inside Plant Management Information Base (MIB) - Part 1: SCTE-HMS-HE-COMMON-MIB (revision of ANSI/SCTE 84-1 2009): 3/1/2018

ANSI/SCTE 84-2-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-POWER-SUPPLY-MIB (revision of ANSI/SCTE 84-2-2009): 3/1/2018

ANSI/SCTE 84-3-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-FAN-MIB (revision of ANSI/SCTE 84-3 -2009): 3/1/2018

ANSI/SCTE 112-2017, HMS/DOCSIS Transponder for Outside Plant Power Supply (revision of ANSI/SCTE 112-2011): 2/28/2018

ANSI/SCTE 131-2017, HMS VoIP Test Management Information Base (MIB) Definition SCTE-HMS-VOIP-MIB (revision of ANSI/SCTE 131 -2007): 2/28/2018

TIA (Telecommunications Industry Association)

Addenda

ANSI/TIA 568.1-D-1-2018, Commercial Building Telecommunications Infrastructure Standard, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 568.1-D-2015): 3/6/2018

ANSI/TIA 598-D-2-2018, Optical Fiber Cable Color Coding - Addendum 2, Jacket Color for Wideband Laser-Optimized 50/125 Micrometer Multimode Fiber Cables (OM5) (addenda to ANSI/TIA 598-D-2014): 3/6/2018

TNI (The NELAC Institute)

Revision

ANSI/TNI EL-V1M4-2018, Management and Technical Requirements for Laboratories Performing Environmental Analysis, Module 4: Quality Systems for Chemical Testing (revision and redesignation of ANSI/TNI EL-V4-2016): 2/27/2018

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 1576-2018, Standard for Safety for Flashlights and Lanterns (new standard): 2/23/2018

Reaffirmation

* ANSI/UL 6142-2012 (R2018), Standard for Safety for Small Wind Turbine Systems (reaffirmation of ANSI/UL 6142-2012): 2/22/2018

Revision

ANSI/UL 4-2018, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2008 (R2013)): 2/23/2018

ANSI/UL 162-2018, Standard for Safety for Standard for Foam Equipment and Liquid Concentrates (revision of ANSI/UL 162 -2015): 2/23/2018

ANSI/UL 263-2018, Standard for Fire Tests of Building Construction and Materials (revision of ANSI/UL 263-2015): 3/2/2018

ANSI/UL 430-2018, Standard for Safety for Waste Disposers (Proposal dated 08-18-2017) (revision of ANSI/UL 430-2015): 2/23/2018

ANSI/UL 507-2018, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2017): 2/21/2018

ANSI/UL 565-2018, Standard for Safety for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 565-2013 (R2017)): 2/22/2018

ANSI/UL 583-2018, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 09/08/17) (revision of ANSI/UL 583-2016): 3/6/2018

ANSI/UL 621-2018, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2017): 3/1/2018

* ANSI/UL 676-2018, Luminaires and Submersible Junction Boxes (Proposal dated 11/17/17) (revision of ANSI/UL 676-2015): 2/26/2018

ANSI/UL 719-2018, Standard for Safety for Nonmetallic-Sheathed Cables (revision of ANSI/UL 719-2015): 3/2/2018

ANSI/UL 763-2018, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763 -2014): 2/28/2018

ANSI/UL 763-2018a, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763 -2017): 2/28/2018

* ANSI/UL 943-2018, Standard for Safety for Ground-Fault Circuit-Interrupters (revision of ANSI/UL 943-2016): 2/23/2018

VITA (VMEbus International Trade Association (VITA))

Revision

ANSI/VITA 46.9-2018, PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (revision of ANSI/VITA 46.9 -2010): 3/5/2018

Stabilized Maintenance

ANSI/VITA 20-2005 (S2018), Conduction Cooled PMC (stabilized maintenance of ANSI/VITA 20-2005 (R2011)): 3/5/2018

Project Initiation Notification System (PINS)

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

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

[List of Approved and Proposed ANS](#)

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

ASME (American Society of Mechanical Engineers)

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Contact: *Mayra Santiago*

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E-mail: ansibox@asme.org

BSR/ASME AED-1-201x, Aerospace and Advanced Engineering Drawings (new standard)

Stakeholders: Users, manufacturers, designers, laboratories, academia, consultants, and government.

Project Need: There are a few standards covering engineering drawings, however, there is nothing that fully applies to the aerospace industry.

This Standard is intended to provide documentation of unique requirements that are common across multiple industries, or within segments of industries. This document standardizes requirements for industries to benefit from commonality, decreased cost, and improved quality. Unique symbologies, terminologies, and concepts are provided to further enhance the understanding and abilities of all who use this document.

BSR/ASME TDP-1-201x, Recommended Practices for the Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Fossil-Fueled Plants (revision of ANSI/ASME TDP-1-2013)

Stakeholders: Nuclear electric-generating equipment manufacturers, electric-generating companies, government regulators, insurance companies that serve the electric power industry, architect/engineering firms that serve the electric-generating industry, and consultants to the electric-power industry.

Project Need: This revision will help to keep TDP-1 up to date with the most current changes in the field of turbine water damage prevention.

This Standard includes recommended practices concerned primarily with the prevention of water damage to steam turbines used for fossil-fuel-fired electric power generation. The practices address damage due to water, wet steam, and steam backflow into a steam turbine.

The practices are applicable to conventional steam cycle, combined cycle, and cogeneration plants. The practices cover design, operation, inspection, testing, and maintenance of those aspects of the following power plant systems and equipment concerned with preventing the induction of water into steam turbines:

- (a) motive steam systems;
- (b) steam attemperation systems;
- (c) turbine extraction/admission systems;
- (d) feedwater heaters;
- (e) turbine drain system;
- (f) turbine steam seal system;
- (g) start-up systems;
- (h) condenser steam and water dumps; and
- (i) steam generator sources.

ASSE (Safety) (American Society of Safety Engineers)

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

Contact: *Lauren Bauerschmidt*

E-mail: lbauerschmidt@asse.org

BSR/ASSE/ISO 31000-201x, Risk Management - Guidelines (identical national adoption of ISO 31000:2018 and revision of ANSI/ASSE Z690.2-2011)

Stakeholders: Safety, health, environmental, and risk management professionals.

Project Need: Based on consensus of the United States Technical Advisory Committee to the ISO TC262, Risk Management, and the leadership of the American Society of Safety Engineers

This document is for use by people who create and protect value in organizations by managing risks, making decisions, setting and achieving objectives, and improving performance. Managing risk is based on the principles, framework, and process outlined in this document. These components might already exist in full or in part within the organization, however, they might need to be adapted or improved so that managing risk is efficient, effective, and consistent.

ASTM (ASTM International)

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West Conshohocken, PA 19428-2959

Contact: *Corice Leonard*

Fax: (610) 834-3683

E-mail: accreditation@astm.org

BSR/ASTM D3299-201x, Standard Specification for Filament-Wound Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks (revision of ANSI/ASTM D3299-2010)

Stakeholders: Plastics industry.

Project Need: This specification covers cylindrical tanks fabricated by filament winding for above-ground vertical installation, to contain aggressive chemicals at atmospheric pressure as classified in this standard, and made of a commercial-grade polyester or vinylester resin. Included are requirements for materials, properties, design, construction, dimensions, tolerances, workmanship, and appearance.

This specification covers cylindrical corrosion-resistant tanks made of commercial-grade glass-fiber-reinforced polyester or vinylester thermoset resin fabricated by filament winding for above-ground vertical installation, to contain aggressive chemicals at atmospheric pressure as classified in this standard. This specification does not address the design of vessels intended for pressure above atmospheric, vacuum conditions, except as classified in this standard, or vessels intended for use with liquids heated above their flash points. Included are requirements for materials, properties, design, construction, dimensions, tolerances, workmanship, and appearance.

BSR/ASTM D4097-201x, Standard Specification for Contact-Molded Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks (revision of ANSI/ASTM D4097-2001 (R2010))

Stakeholders: Plastics industry.

Project Need: This specification covers cylindrical tanks fabricated by contact molding for above-ground vertical installation, to contain aggressive chemicals at essentially atmospheric pressure, and made of a commercial-grade polyester or vinyl ester resin. Included are requirements for materials, properties, design, construction, dimensions, tolerances, workmanship, and appearance.

This specification covers cylindrical tanks fabricated by contact molding for above-ground vertical installation, to contain aggressive chemicals at essentially atmospheric pressure, and made of a commercial-grade polyester or vinylester resin. This specification does not cover the design of vessels intended for pressure above hydrostatic, vacuum conditions, except as classified in this standard, or vessels intended for use with liquids heated above their flash points.

BSR/ASTM E3075-201x, Standard Test Method for Water Immersion and Drying for Evaluation of Flood Damage Resistance (new standard)

Stakeholders: Whole Buildings and Facilities industry.

Project Need: The procedures described in this test method are used to evaluate the response of building materials noted in 1.1 when subjected to water immersion, subsequent drying, and cleaning.

This test method is intended to apply to building materials used in construction below the base flood elevation (BFE) including, but not limited to: individual building materials and composite assemblies of building materials that constitute permanent integral parts of a finished building including walls, floors, ceilings, stairways, built-in partitions, finishes, cladding, and other similarly incorporated architectural and structural items.

BSR/ASTM WK62276-201x, New Practice for Determining the Flood Damage Resistance Rating of Materials and Assemblies (new standard)

Stakeholders: Whole Buildings and Facilities industry.

Project Need: It was developed from and is intended to supplement specifications in NFIP Technical Bulletin 2, Flood Damage-Resistant Materials Requirements (FEMA TB 2), which is referenced in the 2015 International Residential Code (IRC) as well as ASCE/SEI 24-14.

The goal of this practice is to establish procedures for determining whether building materials and assemblies are considered to be flood damage resistant for construction applications that comply with the National Flood Insurance Program (NFIP) (44 CFR 60.3(a)(3)).

BSR/ASTM WK62424-201x, New Test Method for Observing Transition from Smoldering to Flaming in Flexible Foam/Fabric Assemblies (new standard)

Stakeholders: Furnishings and Contents industry.

Project Need: <http://www.astm.org/DATABASE.CART/WORKITEMS/WK62424.htm>

This fire response test method establishes a procedure for reproducibly measuring time to ignition of foam and fabric assemblies that have the potential to transition from smoldering to flaming when exposed to a small localized heating source.

ATIS (Alliance for Telecommunications Industry Solutions)

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Washington, DC 20005

Contact: *Alexandra Blasgen*

E-mail: ablasgen@atis.org

BSR/ATIS 0300002-201x, XML Schema Interface for POTS Service Test (revision of ANSI ATIS 0300002-2013)

Stakeholders: Communications industry.

Project Need: This standard needs to be revised to update the references.

This standard provides an XML schema information model for POTS Service Test based on ATIS 0300262.2007 and an XML schema interface for POTS Service Test function specified in the same American National Standard.

BSR/ATIS 0300209-201x, Operations, Administration, Maintenance, and Provisioning (OAM&P) Network Tones and Announcements (revision of ANSI ATIS 0300209-2013)

Stakeholders: Communications industry.

Project Need: This standard needs to be revised to update references.

This standard provides guidance for the provision of network tones and announcements.

BSR/ATIS 0600319-201x, Equipment Assemblies - Fire Propagation Risk Assessment Criteria (revision of ANSI ATIS 0600319-2014)

Stakeholders: Communications industry

Project Need: This standard needs to be updated to harmonize the document with GR-63 and to make clarifications to existing text.

The purpose of this standard is to provide fire-propagation-hazard-risk-assessment criteria for equipment assemblies used in telecommunications network equipment environments.

CPA (Composite Panel Association)

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Suite 306
Leesburg, VA 20176

Contact: *Gary Heroux*

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BSR A135.4-2012 (R201x), Basic Hardboard (reaffirmation of ANSI A135.4-2012)

Stakeholders: Relevant stakeholders include the Building Construction and Furniture industries.

Project Need: The need for the project is to keep the Standard maintained.

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for basic hardboard that can serve as a common basis for understanding among those manufacturing, specifying, or using hardboard products.

BSR A135.5-2012 (R201x), Prefinished Hardboard Paneling (reaffirmation of ANSI A135.5-2012)

Stakeholders: Relevant stakeholders include the Building Construction and Renovation industries.

Project Need: The need for the project is to keep the Standard maintained.

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for prefinished hardboard paneling which can serve as a common basis for understanding among those manufacturing, specifying, or using hardboard panel products.

BSR A135.6-2012 (R201x), Engineered Wood Siding (reaffirmation of ANSI A135.6-2012)

Stakeholders: Relevant stakeholders include the Residential and Commercial Construction industries.

Project Need: The need for the project is to keep the Standard maintained.

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for engineered wood siding that can serve as a common basis for understanding among those manufacturing, specifying, or using siding products.

BSR A135.7-2010 (R201x), Engineered Wood Trim (reaffirmation of ANSI A135.7-2010)

Stakeholders: The relevant stakeholders include Residential and Commercial Construction industries.

Project Need: The need for the project is to keep the Standard maintained.

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for engineered wood trim that can serve as a common basis for understanding among those manufacturing, specifying, or using trim products.

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

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Mokena, IL 60448

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E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1093-201x, Performance Requirements for Pitless Adapters, Pitless Units, and Well Caps (new standard)

Stakeholders: Authorities having jurisdiction, specifiers, hydraulic engineers, and installers and manufacturers of water well devices in aquifers.

Project Need: The Water Systems Council (WSC) has proposed that its current non-ANSI, WSC PAS-97 (2017), needs to become an American National Standard, and has chosen ASSE to provide that.

Pitless Adapters and Pitless Units are devices designed to attach to openings in the water well casing. When properly installed, they provide sanitary connections by preventing the entrance of contaminants from surface- or near-surface sources through such openings into the well or potable water supply and permit the termination of the well above the ground surface. Over the years, it has become widely accepted that wells must be vented to the atmosphere to prevent a vacuum from being drawn on the casing and on attachments to the casing, including well caps, electrical conduit, and pitless adapters. Most sanitary well caps have provision for either a factory- or field-installed vermin-proof vent device.

IES (Illuminating Engineering Society)

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

Contact: *Patricia McGillicuddy*

E-mail: pmcgillicuddy@ies.org

BSR/IES LM-C303-201x, IES Guide to Application Distance Specific Radiometry (new standard)

Stakeholders: End users of artificial lighting products designed for horticulture, Producers of artificial lighting products designed for horticulture, Efficiency organizations and regulators, Laboratories.

Project Need: The purpose is to fulfill a need identified by the American Society of Agricultural and Biological Engineers (ASABE). The horticulture lighting industry needs a defined test method for determining irradiance on a plane at a given distance from a light source. ASABE is reluctant to internally define new test methods and prefers to lean on industry experts. ASABE has specifically requested that the IES TPC create a test method which meets the industry needs and fills a void in existing test standards.

To establish the measurement and data application methodologies for characterizing planar distributions of illuminance, irradiance, or photon irradiance (i.e., photon flux density) at application distances, and for creating distance-specific IES files by application. This document describes the method for measuring illuminance, irradiance, and/or photon irradiance (i.e., photon flux density) at multiple points on a plane at a specific application distance. This document also describes a method to generate and interpret IES files composed of equivalent intensity values and applicable only to a specific range of application distances.

NEMA (ASC C119) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
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Rosslyn, VA 22209

Contact: *Paul Orr*

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E-mail: Pau_orr@nema.org

BSR/NEMA CC 1-201x, Electric Power Connectors for Substations (revision of ANSI/NEMA CC 1-2009)

Stakeholders: Electric utilities, connector manufacturers, power authorities.

Project Need: Revision of existing NEMA standard to relocate methods of radio influence voltage requirements.

This standard covers uninsulated connectors and bus supports that are made of metal and intended for use with conductors or bus made of copper or aluminum alloy and found in substations. Connectors that are supplied in equipment are covered by the equipment standards and are excluded from this standard.

NFPA (National Fire Protection Association)

Office: One Batterymarch Park
Quincy, MA 02169

Contact: *Dawn Michele Bellis*

E-mail: dbellis@nfpa.org

BSR/NFPA 502-201x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2013)

Stakeholders: Manufacturers, Users, Installers/maintainers, Labor, enforcing authority, insurance, consumers, special experts

Project Need: Public Interest and need.

This standard provides fire protection and fire life-safety requirements for limited-access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. This standard establishes minimum requirements for each of the identified facilities.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

ABMA (ASC B3)

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ANS

American Nuclear Society
555 North Kensington Avenue
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Fax: (708) 579-8248
Web: www.ans.org

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8135
Fax: (202) 962-4797
Web: www.api.org

APT (ASC CGATS)

The Association for Print Technologies
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Web: www.printtechnologies.org

ASA (ASC S12)

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

ASABE

American Society of Agricultural and Biological Engineers
2920 Niles Rd.
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Phone: (269) 932-7009
Web: www.asabe.org

ASC X9

Accredited Standards Committee X9, Incorporated
275 West Street
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Web: www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
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ASME

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ASSE (Safety)

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ASTM

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ATIS

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AWI

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AWS

American Welding Society
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AWWA

American Water Works Association
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B11

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CPA

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CSA

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ECIA

Electronic Components Industry Association
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Web: www.ecianow.org

EOS/ESD

ESD Association
7900 Turin Rd., Bldg. 3
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ESTA

Entertainment Services and Technology Association
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HL7

Health Level Seven
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HPS (ASC N13)

Health Physics Society
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McLean, VA 22101
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IAPMO (ASSE Chapter)

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IAPMO (Z)

International Association of Plumbing & Mechanical Officials
5001 East Philadelphia Street
Ontario, CA 91761
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IEEE

Institute of Electrical and Electronics Engineers (IEEE)
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IES

Illuminating Engineering Society
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IKECA

International Kitchen Exhaust Cleaning Association
100 North 20th Street
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Philadelphia, PA 19103-1443
Phone: (215) 320-3876
Web: www.ikeca.org

ISA (Organization)

International Society of Automation
67 Alexander Drive
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ITI (INCITS)

InterNational Committee for
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Web: www.incits.org

MSS

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Society
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NASBLA

National Association of State Boating
Law Administrators
1648 McGrathiana Parkway
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Phone: (859) 225-9487
Web: www.nasbla.org

NCPDP

National Council for Prescription Drug
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NEMA (ASC C12)

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NFPA

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NSF

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Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

RESNET

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

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Fax: (800) 542-5040
Web: www.scte.org

TIA

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

TNI

The NELAC Institute
PO Box 2439
Weatherford, TX 76086
Phone: (518) 899-9697
Fax: (817) 598-1177
Web: www.NELAC-Institute.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851
Web: www.ul.com

VITA

VMEbus International Trade
Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.com



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on IEC 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 11203/DAMd1, Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1 - 5/20/2018, \$40.00

ISO/DIS 5130, Acoustics - Measurements of sound pressure level emitted by stationary road vehicles - 5/20/2018, \$77.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO/DIS 10993-9, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products - 5/18/2018, \$71.00

ISO/DIS 10993-15, Biological evaluation of medical devices - Part 15: Identification and quantification of degradation products from metals and alloys - 5/18/2018, \$88.00

DENTISTRY (TC 106)

ISO/DIS 20896, Dentistry - Digital impression devices - Methods for assessing accuracy - 5/13/2018, \$67.00

EARTH-MOVING MACHINERY (TC 127)

ISO 14397-1/DAMd1, Earth-moving machinery - Loaders and backhoe loaders - Part 1: Calculation of rated operating capacity and test method for verifying calculated tipping load - Amendment 1 - 5/20/2018, \$29.00

FASTENERS (TC 2)

ISO/DIS 10642, Fasteners - Hexagon socket countersunk head screws with reduced loadability - 5/17/2018, \$46.00

GEOSYNTHETICS (TC 221)

ISO/DIS 10722, Geosynthetics - Index test procedure for the evaluation of mechanical damage under repeated loading - Damage caused by granular material (Laboratory test method) - 5/24/2018, \$46.00

OTHER

ISO/DIS 18218-2, Leather - Determination of ethoxylated alkylphenols - Part 2: Indirect method - 5/17/2018, \$62.00

PLASTICS (TC 61)

ISO/DIS 13975, Plastics - Determination of the ultimate anaerobic biodegradation of plastic materials in controlled slurry digestion systems - Method by measurement of biogas production - 5/17/2018, \$62.00

ISO/DIS 15512, Plastics - Determination of water content - 5/19/2018, \$107.00

ISO/DIS 17556, Plastics - Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved - 5/17/2018, \$88.00

ISO/DIS 21475, Plastics - Methods of exposure to determine the wavelength dependent degradation using spectrally dispersed radiation - 5/17/2018, \$62.00

ISO/DIS 21760-1, Adhesives for organic electronic devices - Determination of water vapour transmission rate - Part 1: Adhesive film preparation method - 5/19/2018, \$53.00

ISO/DIS 21760-2, Adhesives for organic electronic devices - Determination of water vapour transmission rate - Part 2: Edge seal method - 5/19/2018, \$40.00

ROAD VEHICLES (TC 22)

ISO/DIS 6469-1, Electrically propelled road vehicles - Safety specifications - Part 1: Rechargeable energy storage system (RESS) - 5/19/2018, \$93.00

ISO/DIS 8820-11, Road vehicles - Fuse-links - Part 11: Fuse-links with tabs (blade type) Type M (medium-high current) - 5/19/2018, \$62.00

ROLLING BEARINGS (TC 4)

ISO/DIS 13012-1, Rolling bearings - Accessories for sleeve type linear ball bearings - Part 1: Boundary dimensions, geometrical product specifications (GPS) and tolerances for series 1 and 3 - 5/18/2018, \$93.00

ISO/DIS 13012-2, Rolling bearings - Accessories for sleeve type linear ball bearings - Part 2: Boundary dimensions, geometrical product specifications (GPS) and tolerances for series 5 - 5/18/2018, \$71.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 24698-1, Rubber, raw - Determination of bound acrylonitrile content in acrylonitrile-butadiene rubber (NBR) - Part 1: Combustion (Dumas) method - 5/18/2018, \$46.00

ISO/DIS 24698-2, Rubber, raw - Determination of bound acrylonitrile content in acrylonitrile-butadiene rubber (NBR) - Part 2: Kjeldahl method - 5/18/2018, \$53.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 14160, Sterilization of health care products - Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives - Requirements for characterization, development, validation and routine control of a sterilization process for medical devices - 5/20/2018, \$119.00

TEXTILES (TC 38)

ISO/DIS 1833-18, Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid) - 5/20/2018, \$33.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 2965, Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having an oriented permeable zone - Determination of air permeability - 11/2/2010, \$88.00

ISO/DIS 20714, E-liquid - Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices - Gas chromatographic method - 5/20/2018, \$40.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 17515-3, Intelligent transport systems - Evolved-universal terrestrial radio access network - Part 3: LTE-V2X - 5/17/2018, \$102.00

WATER QUALITY (TC 147)

ISO/DIS 21115, Water quality - Determination of acute toxicity of water samples and chemicals to a fish gill cell-line (RT gill-W1) - 5/20/2018, \$112.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10373-6/DAMd1, Identification cards - Test methods - Part 6: Proximity cards - Amendment 1: Frame with error correction - 5/24/2018, \$46.00

ISO/IEC 24800-6/DAMd1, Information technology - JPSearch - Part 6: Reference software - Amendment 1: Reference software for JPSearch and JPOnto - 5/24/2018, \$29.00

IEC Standards

18/1602/CDV, IEC 61892-4 ED2: Mobile and fixed offshore units - Electrical installations - Part 4: Cables, 2018/5/25

18/1603/CDV, IEC 61892-5 ED4: Mobile and fixed offshore units - Electrical installations - Part 5: Mobile units, 2018/5/25

18/1604/CDV, IEC 61892-6 ED4: Mobile and fixed offshore units - Electrical installations - Part 6: Installation, 2018/5/25

18/1600/CDV, IEC 61892-2 ED3: Mobile and fixed offshore units - Electrical installations - Part 2: System design, 2018/5/25

18/1605/CDV, IEC 61892-7 ED4: Mobile and fixed offshore units - Electrical installations - Part 7: Hazardous areas, 2018/5/25

18/1601/CDV, IEC 61892-3 ED4: Mobile and fixed offshore units - Electrical installations - Part 3: Equipment, 2018/5/25

18/1599/CDV, IEC 61892-1 ED4: Mobile and fixed offshore units - Electrical installations - Part 1: General requirements and conditions, 2018/5/25

23/778/CD, IEC 63172 ED1: Methodology for determining the energy efficiency class of electrical accessories, 2018/5/25

23/777/CD, IEC 61535 ED2: Installation couplers intended for permanent connection in fixed installations, 2018/4/27

32A/333/CD, IEC 60282-4 ED1: Additional testing requirements for high-voltage expulsion fuses utilizing polymeric insulators, 2018/4/27

34/497A/CD, IEC 63109 ED1: Assessment of blue light hazard of light sources and luminaires, 018/5/4/

34D/1368/CD, IEC 60598-2-22/AMD2/FRAG1 ED4: Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting, 2018/5/25

45A/1181/CDV, IEC 62765-2 ED1: Nuclear power plants - Instrumentation and control important to safety - Management of ageing of sensors and transmitters - Part 2: Temperature sensors, 2018/5/25

45A/1190/FDIS, IEC 60772 ED2: Nuclear power plants - Instrumentation systems important to safety - Electrical penetration assemblies in containment structures, 2018/4/13

45A/1191/CD, IEC 63096 ED1: Nuclear power plants - Instrumentation, control and electrical power systems - Security controls, 2018/5/25

46/676/CDV, IEC 60050-726 ED2: International Electrotechnical Vocabulary - Part 726: Transmission lines and waveguides, 2018/5/25

46/675/CDV, IEC 61935-1-1 ED1: Testing of balanced communication cabling in accordance with ISO/IEC 11801 and coaxial information technology cabling - Part 1-1: Additional requirements for the measurement of Transverse Conversion Loss and Equal Level Transverse Conversion Transfer Loss, 2018/5/25

46/672/CDV, IEC 61935-1 ED5: Specification for the testing of balanced and coaxial information technology cabling - Part 1: Installed balanced cabling as specified in ISO/IEC 11801-1 and related standards, 2018/5/25

47E/598/NP, PNW 47E-598: Future IEC 60747-19-1: Semiconductor devices - Part 19-1: Smart sensors - Control scheme of smart sensors, 2018/5/25

47E/599/CD, IEC 60747-5-8 ED1: Semiconductor devices - Part 5-8: Optoelectronic devices - Light emitting diodes - Test method of optoelectronic efficiencies of light emitting diodes, 2018/4/27

55/1636/CDV, IEC 60317-0-8 ED2: Specifications for particular types of winding wires - Part 0-8: General requirements - Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated, bare or enamelled rectangular copper wire, 2018/5/25

62B/1074/CDV, IEC 60601-2-43/AMD2 ED2: Amendment 2 - Medical electrical equipment - Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures, 2018/5/25

82/1403/DTS, IEC TS 60904-1-2 ED1: Photovoltaic devices - Part 1-2: Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices, 2018/5/25

82/1404/DC, Proposed revision of IEC 62109-1 ED1, Safety of power converters for use in photovoltaic power systems - Part 1: General requirements, 2018/4/13

82/1405/DC, Proposed revision of IEC 62109-2 ED1, Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters, 2018/4/13

86A/1849(F)/CDV, IEC 60793-1-40 ED2: Optical fibres - Part 1-40: Attenuation measurement methods, 2018/4/27

- 86C/1507/FDIS, IEC 61290-4-4 ED1: Optical amplifiers - Test methods
- Part 4-4: Gain transient parameters - Single channel optical
amplifiers with gain control, 2018/4/13
- 104/796/CD, IEC TR 62131-7 ED1: Environmental conditions -
Vibration and shock of electrotechnical equipment - Part 7:
Transportation by rotary wing aircraft, 2018/5/25
- 110/965/CD, IEC 62977-3-4 ED1: Electronic displays - Part 3-4:
Evaluation of optical performances - High dynamic range displays,
2018/5/25
- 110/963/CD, IEC 62906-5-3 ED1: Laser display devices - Part 5-3:
Measuring methods of image quality for laser projection displays,
2018/4/27
- 110/964/CD, IEC TR 62595-1-3 ED1: Display lighting unit - Part 1-3:
Lighting units with arbitrary shapes, 2018/5/25
- 110/966/DTR, IEC TR 63145-1-1 ED1: Eyewear display - Part 1-1:
Generic introduction, 2018/4/27
- 110/967/CD, IEC 62908-12-20 ED1: Touch and interactive displays -
Part 12-20: Measuring methods of touch displays - Multi-touch
performance, 2018/4/27
- 119/208/NP, PNW 119-208: Printed Electronics - Part 302-3:
Equipment - Inkjet - Imaging-based measurement of drop direction,
2018/5/25
- CIS/A/1253/CD, CISPR 16-1-3/AMD2 ED2: Specification for radio
disturbance and immunity measuring apparatus and methods - Part
1-3: Radio disturbance and immunity measuring apparatus -
Ancillary equipment - Disturbance power, 2018/5/25
- CIS/A/1254/CD, CISPR 16-2-3/AMD2 ED4: Measurement method for
radiated disturbance measurements below 30 MHz, 2018/5/25
- SyCSmartEnergy/77/NP, PNW TS SYCSMARTENERGY-77:
Definition of Extended SGAM Smart Energy Grid Reference
Architecture, 2018/3/30



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

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

[ISO 8573-2:2018](#), Compressed air - Contaminant measurement - Part 2: Oil aerosol content, \$185.00

FLOOR COVERINGS (TC 219)

[ISO 19322:2018](#), Resilient floor coverings - Specification for floor coverings based on thermoplastic polymers, \$103.00

FOOTWEAR (TC 216)

[ISO 18454:2018](#), Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear, \$45.00

GEOTECHNICS (TC 182)

[ISO 17892-9:2018](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 9: Consolidated triaxial compression tests on water saturated soils, \$138.00

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

[ISO 11297-1:2018](#), Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 1: General, \$103.00

[ISO 11298-1:2018](#), Plastics piping systems for renovation of underground water supply networks - Part 1: General, \$103.00

ROAD VEHICLES (TC 22)

[ISO 12214:2018](#), Road vehicles - Direction-of-motion stereotypes for automotive hand controls, \$68.00

[ISO 15118-8:2018](#), Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication, \$162.00

ROLLING BEARINGS (TC 4)

[ISO 15312:2018](#), Rolling bearings - Thermal speed rating - Calculation, \$103.00

STEEL (TC 17)

[ISO 4885:2018](#), Ferrous materials - Heat treatments - Vocabulary, \$45.00

TIMBER (TC 218)

[ISO 19474:2018](#), Round timber - Visual characteristics - Methods of determination, \$68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 13772:2018](#), Forestry machinery - Portable chain-saws - Non-manually actuated chain brake performance, \$68.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 21904-3:2018](#), Health and safety in welding and allied processes - Requirements, testing and marking of equipment for air filtration - Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices, \$138.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 23008-2/Amd2:2018](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 2: Main 10 still picture profile, \$19.00

[ISO/IEC 14496-12/Amd2:2018](#), Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 2: Support for image file format, \$19.00

[ISO/IEC 14496-15/Amd1:2018](#), Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1: Handling of unspecified NAL unit types and other improvements, \$19.00

[ISO/IEC 13818-1:2018](#), Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems, \$232.00

[ISO/IEC 14763-4:2018](#), Information technology - Implementation and operation of customer premises cabling - Part 4: Measurement of end-to-end (E2E)-Links, \$68.00

[ISO/IEC 19896-1:2018](#), IT security techniques - Competence requirements for information security testers and evaluators - Part 1: Introduction, concepts and general requirements, \$68.00

IEC Standards

ELECTRIC ROAD VEHICLES AND ELECTRIC INDUSTRIAL TRUCKS (TC 69)

[S+ IEC 62576 Ed. 2.0 en:2018 \(Redline version\)](#), Electric double-layer capacitors for use in hybrid electric vehicles - Test methods for electrical characteristics, \$259.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60320-2-1 Ed. 3.0 b:2018](#), Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers, \$82.00

ELECTRICAL ENERGY STORAGE (EES) SYSTEMS (TC 120)

[IEC 62933-1 Ed. 1.0 b:2018](#), Electrical energy storage (EES) systems - Part 1: Vocabulary, \$235.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC 60601-2-4 Ed. 3.1 b:2018](#), Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators, \$586.00

[IEC 60601-2-4 Amd.1 Ed. 3.0 b:2018](#), Amendment 1 - Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators, \$82.00

EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS (TC 112)

[IEC 62631-2-1 Ed. 1.0 b:2018](#), Dielectric and resistive properties of solid insulating materials - Part 2-1: Relative permittivity and dissipation factor - Technical Frequencies (0,1 Hz - 10 MHz) - AC Methods, \$164.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 61747-40-5 Ed. 1.0 en:2018](#), Liquid crystal display devices - Part 40-5: Mechanical testing of display cover glass for mobile devices - Strength against dynamic impact by a sharp object with the specimen rigidly supported, \$82.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 61347-2-14 Ed. 1.0 b:2018](#), Lamp controlgear - Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps, \$235.00

POWER ELECTRONICS (TC 22)

[IEC 62927 Ed. 1.0 b:2017](#), Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) - Electrical testing, \$235.00

WINDING WIRES (TC 55)

[IEC 60317-73 Ed. 1.0 b:2018](#), Specifications for particular types of winding wires - Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200, \$47.00

[IEC 60317-74 Ed. 1.0 b:2018](#), Specifications for particular types of winding wires - Part 74: Polyesterimide enamelled rectangular aluminium wire, class 180, \$47.00

IEC Technical Specifications**SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)**

[IEC/TS 62257-8-1 Ed. 2.0 en:2018](#), Recommendations for renewable energy and hybrid systems for rural electrification - Part 8-1: Selection of batteries and battery management systems for stand-alone electrification systems - Specific case of automotive flooded lead-acid batteries available in developing countries, \$164.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

Antech Imaging Services

Public Review: March 9 to June 1, 2018

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

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Institute of Electrical and Electronics Engineers (IEEE)

ANSI's Executive Standards Council has approved the reaccreditation of the Institute of Electrical and Electronics Engineers (IEEE), an ANSI Member and Accredited Standards Developer, under its recently revised IEEE-SA Standards Board Operating Manual and IEEE-SA Standards Board Bylaws for documenting consensus on IEEE-sponsored American National Standards, effective March 6, 2018. For additional information, please contact: Mr. David Ringle, Director, SA Governance, IEEE Standards Association, 445 Hoes Lane, Piscataway, NJ 08854-4141; phone: 732.562.3806; e-mail: d.ringle@ieee.org.

International Association for Continuing Education and Training (IACET)

The reaccreditation of the International Association for Continuing Education and Training (IACET), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on IACET-sponsored American National Standards, effective March 2, 2018. For additional information, please contact: Ms. Tracey Naughton, Program Director, International Association for Continuing Education and Training, 11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191; phone: 703.234.4097; e-mail: tnaughton@iacet.org.

National Association of Architectural Metal Manufacturers (NAAMM)

The reaccreditation of the National Association of Architectural Metal Manufacturers (NAAMM), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NAAMM-sponsored American National Standards, effective March 6, 2018. For additional information, please contact: Mr. Vernon W. Lewis, Jr., Structural Engineer & Technical Consultant, National Association of Architectural Metal Manufacturers, 123 College Place, Unit 1101, Norfolk, VA 23510; phone: 757.489.0787; e-mail: wlewis7@cox.net.

Reaccreditation

Electronic Components Industry Association (ECIA)

Comment Deadline: April 9, 2018

The Electronic Components Industry Association (ECIA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited ECIA Engineering Publication – Manual of Standards & Technology Organization and Procedure for documenting consensus on ECIA-sponsored American National Standards, under which it was last reaccredited in 2015. 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. Edward F. Mikoski, Jr., MBA, CStd, FSES, Vice-President of Standards and Technology, Electronic Components Industry Association, 2214 Rock Hill Road, Suite 265, Herndon, VA 20170-4212; phone: 571.323.0253; e-mail: emikoski@ecianow.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 ECIA by April 9, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

PLASTICS Industry Association (PLASTICS)

Comment Deadline: April 9, 2018

The PLASTICS Industry Association (PLASTICS), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on PLASTICS-sponsored American National Standards, under which it was last reaccredited in 2016. 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: Ms. Megan Hayes, Director, Industry Standards, PLASTICS Industry Association, 1425 K Street NW, Suite 500, Washington, DC 20005; phone: 202.974.5217; e-mail: mhayes@plasticsindustry.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 PLASTICS by April 9, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 34 – Food Products

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

ISO/TC 34 operates under the following scope:

Standardization in the field of human and animal foodstuffs, covering the food chain from primary production to consumption, as well as animal and vegetable propagation materials, in particular, but not limited to, terminology, sampling, methods of test and analysis, product specifications, food and feed safety and quality management and requirements for packaging, storage and transportation

Excluded :

- products covered by ISO/TC 54 Essential oils and ISO/TC 93 Starch (including derivatives and by-products).

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

ISO/TC 34/SC 18 – Cocoa

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

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

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

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

ISO/TC 180 – Solar energy

ANSI has been informed that the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 180, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 180 operates under the following scope:

Standardization in the field of solar energy utilization in space and water heating, cooling, industrial process heating and air conditioning.

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 316 – Water efficient products – Banding

A new ISO Project Committee, ISO/PC 316 – Water efficient products – Banding, has been formed. The Secretariat has been assigned to Australia (SA).

ISO/PC 316 operates under the following scope:

Standardization in the field of water efficient products - bandings.

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

ISO Proposal for a New Field of ISO Technical Activity

Karst

Comment Deadline: April 13, 2018

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

Standardization in the field of karst terminology, sustainable development of karst resources, environmental protection and management of karst environment, as well as investigation and assessment (including modeling methods and mapping of karst systems).

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, April 13, 2018.

Musical Instruments

Comment Deadline: April 13, 2018

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

Standardization in the field of musical instruments including: standardization of classification, terminology, products, safe use, test methods and conformity assessment rules.

Excluded: Standardization within the scope of IEC/TC 100.

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, April 13, 2018.

ISO New Work Item Proposal

Guidelines on Integrating a Business Excellence Framework with ISO Management System Standards

Comment Deadline: April 13, 2018

SCC, the ISO member body for Canada, and BSI, the ISO member body for the UK, have jointly submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines on Integrating a Business Excellence Framework with ISO Management System Standards, with the following scope statement:

Organizations implementing single or multiple management systems and simultaneously the Business Excellence framework are faced with the major challenge of lack of alignment. This can be attributed to multiple factors, including but not limited to, organizational design/structure, responsibilities matrix, contextual understanding of the linkages/inter-dependencies, silo mentality and turf protection.

"Guidelines on Integrating a Business Excellence Framework with ISO management system standards" will provide the roadmap on integrating the national/international business excellence frameworks with management system standards for enhancing organizational efficiency, facilitating effective decision-making, and promoting transparency, innovation and continuous improvement.

Scope will exclude the development of an ISO Business Excellence standard and/or development of ISO Management System standard/s. Instead, it will focus on the integration aspects, available best practices, and provision of useful practical tips for better organizational management.

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, April 13, 2018.

U.S. Technical Advisory Groups

Application for Accreditation and Approval of TAG Administrator

U.S. TAG to ISO TC 314 – Ageing Societies

Comment Deadline: April 9, 2018

Underwriters Laboratories (UL) has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 314, Ageing societies, 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. Ross Wilson, Standards Specialist, Underwriters Laboratories, Inc., 12 Laboratory Drive, Research Triangle Park, NC 27709; phone: 919.549.1511; e-mail: ross.wilson@ul.com (please copy jthomps@ansi.org) by April 9, 2018.

Meeting Notices

ANSI-Accredited U.S. TAG to ISO/TC 229 – Nanotechnologies

The ANSI-Accredited U.S. TAG to ISO/TC 229 Nanotechnologies will meet on March 21-22, 2018, at the American Chemistry Council in Washington, DC. For additional information or to join the U.S. TAG, please contact Heather Benko (hbenko@ansi.org) at ANSI.

Association of Challenge Course Technology (ACCT) Consensus Group Meetings

The next meetings of the ACCT Consensus Group will be conference calls and are scheduled for the purposes of:

- Processing comments from the current public comment period for BSR/ACCT 03-201X, scheduled to close on March 27th, 2018.

Location: ACCT Operations Conference Line

Meeting Dates: April 10th & 12th, 2018

Time: 12 pm – 1:30 pm EST

These meetings are open to the public. Persons wishing to attend these meetings are required to pre-register by contacting Bill Weaver, ACCT Director of Operations, bill@acctinfo.org; 800-991-0286, extension 2.

B11 Standards, Inc.

B11.19 Subcommittee – Performance Criteria for Safeguarding Machines

The B11.19 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its sixth and seventh meeting on March 21-23, 2018 at ASSE in Chicago, IL and June 25-27, 2018 at Bridgestone in Nashville TN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.19 Subcommittee deals with the overall safeguarding and related equipment requirements common to machines.

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

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



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

Public Review Draft

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

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

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

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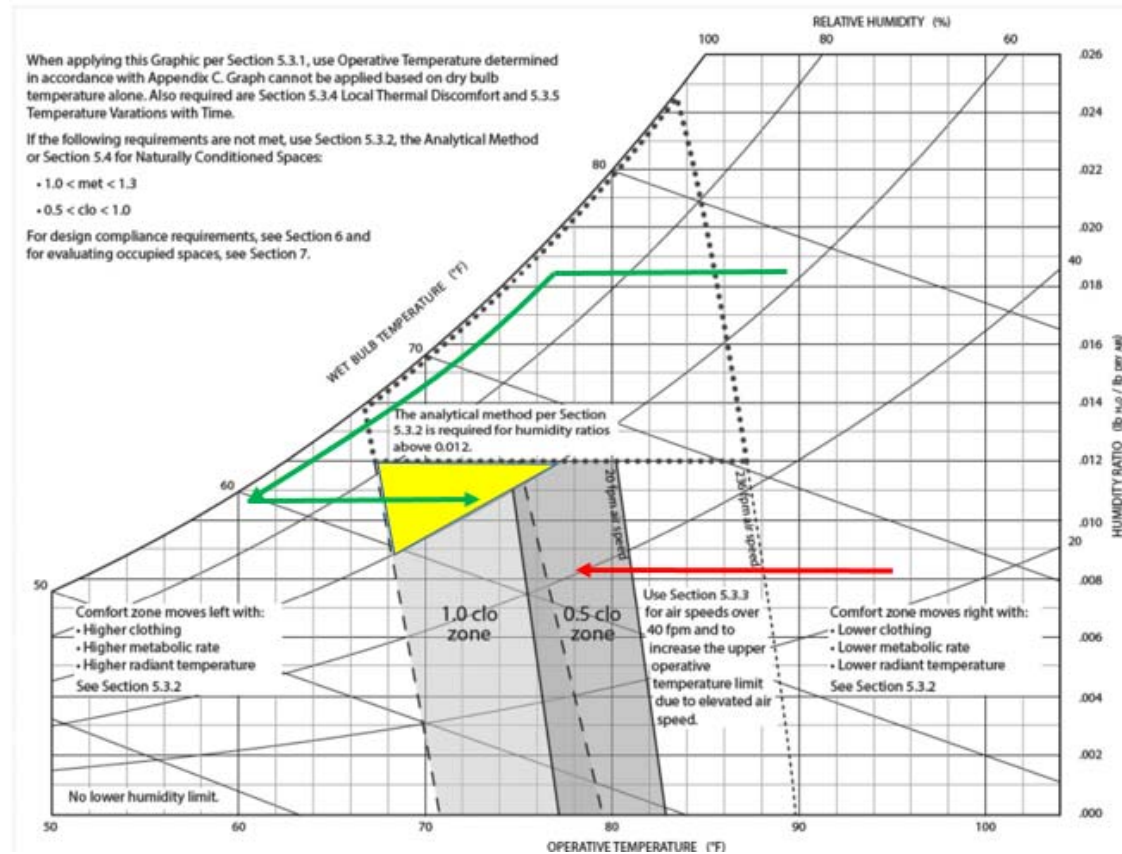
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FOREWORD

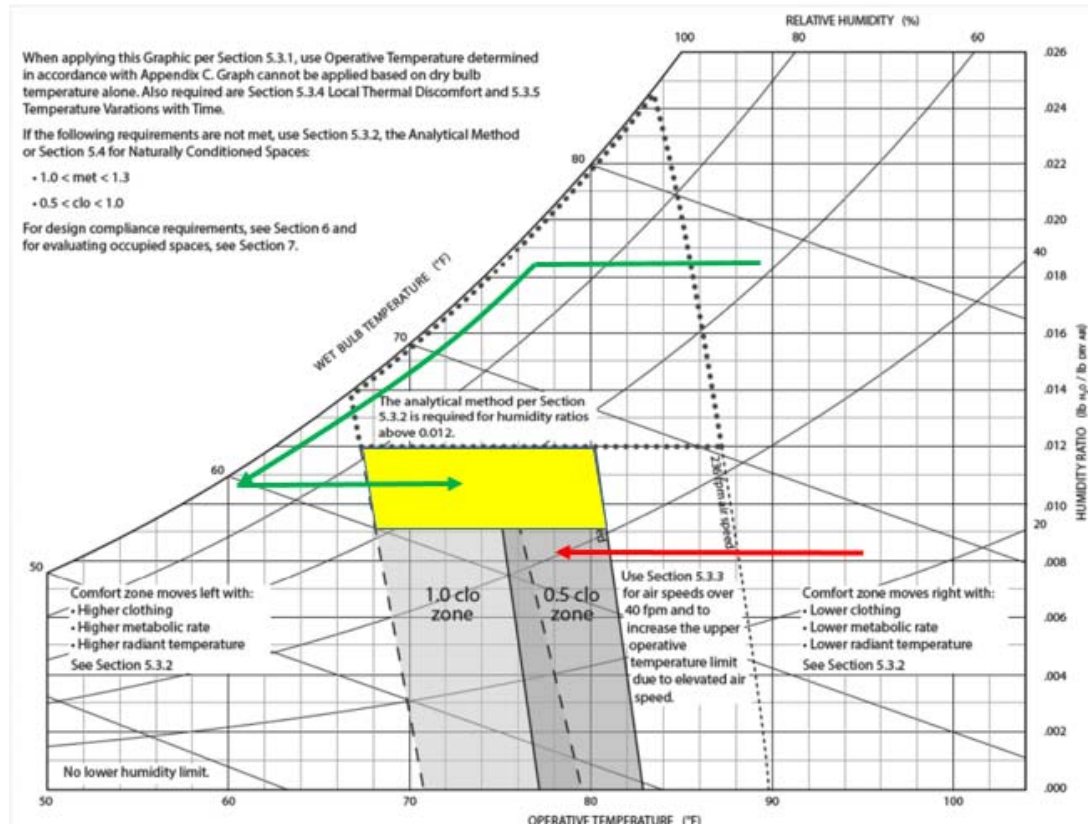
Current wording of section 6.4.3.6 is confusing. Even amongst the 90.1 committee we had multiple interpretations. This revision it intended to fix 4 problems.

1. Revise wording to make the intent clear
2. In dehumidification mode, this only allows a room to be at the edge of the ASHRAE comfort zone. It may be more efficient for a space to operate warmer temperature with lower relative humidity.
3. It requires the space to be too humid for use of sensible cooling equipment such as radiant cooling panels.
4. Exception 1 is not necessary

As written when a system is in dehumidification mode restricts designers to a small area (shown in yellow).



This new proposal will allow designers to target a larger area (shown in yellow) that may result in more efficient building operation.



Statement on Potential Energy Impact:

This addendum does not affect the energy use of the standard

Impact on cost of construction:

This will decrease the cost of construction for sensible cooling systems because less cooling surface area (fewer chilled beams, fewer radiant panels, etc.) will be required.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum ae to 90.1-2016

Modify the standard as follows (IP and SI Units)

3.2 Definitions

Humidistatic controls: ~~an automatic controls device~~ used to maintain humidity at a *fixed* or adjustable *set point*.

6.4.3.6 Humidification and Dehumidification Control

6.4.3.6.1 Dehumidification

Humidistatic controls shall not use mechanical cooling to reduce the humidity below the lower of a dew point of 55F (13C) or relative humidity of 60% in the coldest zone served by the system.

Informative Note: Lower humidity is permitted when operating *mechanical cooling* for temperature control.

6.4.3.6.2 Humidification

Humidistatic controls shall not use fossil fuel or electricity to produce relative humidity above 30% in the warmest zone served by the system.

6.4.3.6.3 Control Interlock

~~Humidity control shall prevent the use of fossil fuel or electricity to produce relative humidity above 30% in the warmest zone served by the humidification system and to reduce relative humidity below 60% in the coldest zone served by the dehumidification system.~~ Where a zone is served by a *system* or *systems* with both humidification and dehumidification capability, means (such as limit switches, mechanical stops, or, for *DDC systems*, software programming) shall be provided, capable of and configured to prevent simultaneous operation of humidification and dehumidification equipment.

Exception to 6.4.3.6.1 and 6.4.3.6.2

- ~~1. Zones served by desiccant systems, used with direct evaporative cooling in series.~~
- ~~2. Systems serving zones where specific humidity levels are required, such as museums and hospitals, and approved by the authority having jurisdiction or required by accreditation standards, and humidistatic humidity controls are capable of and configured to maintain a dead band of at least 10% relative humidity where no active humidification or dehumidification takes place.~~

Exception to 6.4.3.6.1, 6.4.3.6.2 and 6.4.3.6.3

- ~~3. Systems serving zones where humidity levels are required to be maintained with precision of not more than $\pm 5\%$ relative humidity to comply with applicable codes or accreditation standards or as approved by the authority having jurisdiction.~~

Note: Paragraph G3.1.3.18 italicize “*humidistatic controls*”.



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

Public Review Draft

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

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

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

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FOREWORD

The term “process energy” and “process load” are defined in the Standard as:

***process energy:** energy consumed in support of a manufacturing, industrial, or commercial process other than conditioning spaces and maintaining comfort and amenities for the occupants of a building*

***process load:** the load on a building resulting from the consumption or release of process energy.*

But the term “process” is used alone in various locations where it is intended to apply to manufacturing, industrial, or commercial process, as opposed to the generic use of the word. This addendum creates a new term, “process application”, so resolve this issue.

***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 aj to 90.1-2016

Revise the Standard as follows (IP and SI Units)

Add and modify the following definitions to Section 3.2:

***Process application:** a manufacturing, industrial, or commercial procedure or activity where the primary purpose is other than conditioning spaces and maintaining comfort and amenities for the occupants of a building.*

***process energy:** energy consumed in support of a ~~manufacturing, industrial, or commercial process application~~ other than conditioning spaces and maintaining comfort and amenities for the occupants of a building*

***service water heating:** heating water for domestic or commercial purposes other than space heating and process application requirements.*

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

Italicize “process application” in section 6.4.3.1.2, exception 2.

Modify Section 6.5.1 Economizers

Exceptions to 6.5.1

Economizers are not required for the following systems:

1. ...

4. In hospitals and ambulatory surgery centers, where more than 75% of the air designed to be supplied by the system is to spaces that are required to be humidified above 35°F dewpoint temperature to comply with applicable codes or accreditation standards; in all other buildings, where more than 25% of the air designed to be supplied by the system is to spaces that are designed to be humidified above 35°F dew-point temperature to satisfy *process application* needs. This exception does not apply to computer rooms.

Modify 6.5.2.3 Dehumidification

Exceptions to 6.5.2.3

1.

4. Systems serving spaces where specific humidity levels are required to satisfy *process application* needs, such as vivariums; museums; surgical suites; pharmacies; and buildings with refrigerating systems, such as supermarkets, refrigerated warehouses, and ice arenas, and where the building includes site-recovered energy or site-solar energy that provide energy equal to at least 75% of the annual energy for reheating or for providing warm air in mixing systems. This exception does not apply to computer rooms.

Modify 6.5.4.4 Chilled and Hot-Water Temperature Reset Controls

Exceptions to 6.5.4.4

1.

2. Where a specific temperature is required for a *process application*



**BSR/ASHRAE/IES Addendum al
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FOREWORD

The intent of 90.1 section G3.1.1 (c) is to prevent a single zone that is occupied many more hours than the rest of the zones served by the same multizone baseline system from causing the entire system to run longer hours, and to prevent a zone with high internal loads from interfering with the supply air temperature reset in the multizone baseline system. The proposed changes clarify the modeling rules as follows, to ensure that the intent of this section is met.

- a. An exception is added to Table G3.1 No 4 Schedules, to clarify that the baseline system HVAC fan schedule may differ from proposed to meet the intent of Section G3.1.1 (c).
- b. An exception is added to Table G3.1 No 7 Thermal Blocks – HVAC Zones Designed to disallow aggregating HVAC zones that have significantly different peak internal loads or schedule into thermal block with other zones. For example, the current language would allow aggregating HVAC zones that are occupied 24/7 with HVAC zones that are occupied 40 hours per week, hindering application of G3.1.1 (c).
- c. Section G3.1.2.4 is updated to clarify that it applies to HVAC zones, and not individual spaces within a zone.

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 al to 90.1-2016

Revise the Standard as follows (IP Units)

Table G3.1

4. Schedule

Schedules capable of modeling hourly variations in occupancy, lighting power, miscellaneous *equipment* power, *thermostat set points*, and *HVAC system* operation shall be used. The schedules shall be typical of the proposed *building type* as determined by the designer and approved by the *rating authority*. **Temperature and Humidity Schedules.** Temperature and humidity *control set points* and schedules as well as *temperature control throttling range* shall be the same for *proposed design* and *baseline building design*.

HVAC Fan Schedules. Schedules for HVAC fans that provide *outdoor air for ventilation* shall run continuously whenever *spaces* are occupied and shall be cycled ON and OFF to meet heating and cooling loads during unoccupied hours.

Exceptions:

1. Where no heating and/or cooling *system* is to be installed, and a heating or cooling *system* is being simulated only to meet the requirements described in this table, heating and/or cooling *system* fans shall not be simulated as running continuously during occupied hours but shall be cycled ON and OFF to meet heating and cooling loads during all hours.
2. HVAC fans shall remain on during occupied and unoccupied hours in *spaces* that have health- and safety-mandated minimum *ventilation* requirements during unoccupied hours.
3. HVAC fans shall remain on during occupied and unoccupied hours in *systems* primarily serving *computer rooms*.

Same as *proposed design*.

Exceptions:

1. *Set points* and schedules for *HVAC systems* that automatically provide occupant thermal comfort via means other than directly controlling the air dry-bulb and wet-bulb temperature may be allowed to differ, provided that equivalent levels of occupant thermal comfort are demonstrated via the methodology in ASHRAE Standard 55, Section 5.3.3, "Elevated Air Speed," or Standard 55, Appendix B, "Computer Program for Calculation of PMV-PPD."
2. Schedules may be allowed to differ between *proposed design* and *baseline building design* when necessary to model nonstandard *efficiency* measures, provided that the revised schedules have been approved by the *rating authority*. Measures that may warrant use of different schedules include but are not limited to *automatic lighting controls*, *automatic natural ventilation controls*, *automatic demand control ventilation controls*, and *automatic controls* that reduce *service water-heating* loads. In no case shall schedules differ where the *controls* are *manual* (e.g., *manual* operation of light switches or *manual* operation of windows).
3. Fan schedules may be allowed to differ when G3.1.1(c) applies.

7. Thermal Blocks—HVAC Zones Designed

Where *HVAC zones* are defined on HVAC design drawings, each *HVAC zone* shall be modeled as a separate *thermal block*.

Exceptions: Different *HVAC zones* may be combined to create a single *thermal block* or identical *thermal blocks* to which multipliers are applied, provided that all of the following conditions are met:

1. The *space* use classification is the same throughout the *thermal block*.
2. All *HVAC zones* in the *thermal block* that are adjacent to glazed *exterior walls* and glazed *semiexterior walls* face the same *orientation* or their orientations vary by less than 45 degrees.
3. All of the zones are served by the same *HVAC system* or by the same kind of *HVAC system*.
4. All of the zones have peak internal loads that differ by less than 10 Btu/h-ft² (31.2 W/m²) from the average, or schedules that differ by 40 or less equivalent full-load hours per week

Same as *proposed design*.

G3.1.2.4 Fan System Operation

Supply and return fans shall operate continuously whenever ~~*spaces*~~ *HVAC zones* are occupied and shall be cycled to meet heating and cooling loads during unoccupied hours. Supply, return, and/or exhaust fans will remain on during occupied and unoccupied hours in ~~*spaces*~~ *HVAC zones* that have health and safety mandated minimum *ventilation* requirements during unoccupied hours.



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

Public Review Draft

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FOREWORD

Natatoriums, by design, are hot and humid environments. Currently, there is no exception for pool room dehumidifier units to be exempt from section 6.5.6.1 Exhaust Air Energy Recovery. Requiring designers of natatoriums to recovery latent energy can cause the systems to use more energy to dehumidify recovered latent energy.

The proposed addendum adds a method to exempt pool room dehumidifiers from exhaust air energy recovery and requires pool room dehumidifiers to utilize energy recovery by one of three other options. The option is given to allow designers to still use total energy recovery specifically for climates that make more energy sense to do so (ex. very dry climates where recovering the latent energy might be desirable).

Since one of the options is exactly the same as the exhaust air energy recovery requirement and the two other options are less expensive than total energy recovery, the economic justification remains unchanged.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum am to 90.1-2016

Modify the standard as follows (IP and SI Units)

Add exception 9 to section 6.5.6.1 Exhaust Air Energy Recovery

9. Indoor pool dehumidifiers meeting Section 6.5.6.4.

Add Section 6.5.6.4 Indoor Pool Dehumidifier Energy Recovery

6.5.6.4 Indoor Pool Dehumidifier Energy Recovery

An indoor pool dehumidifier serving a natatorium with a heated indoor pool over 500 ft² (46.5 m²) in size shall include one of the following:

- a. *an exhaust air sensible energy recovery system with a sensible energy recovery ratio of at least 50%.*

- b. a condenser heat recovery system capable of and configured to use 100% of the heat generated through dehumidification to heat the *pool* water when there is a *pool* water heating load, or
- c. an exhaust air *energy recovery system* that results in an *enthalpy recovery ratio* of at least 50%.

Exception to 6.5.6.4

Natatoriums heated by *on-site renewable energy* or *site recovered energy* capable of and configured to provide at least 60% of the annual heating energy required.



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

Public Review Draft

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

**Second Public Review (March 2018)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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Second Public Review Draft – Independent Substantive Changes

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FOREWORD

The ISC to Addendum T moves the proposed language from the text of 9.4.2 to a new row at the end of Table 9.4.2-2 for clarity. This change is the result of a comment received to Addendum T.

This ISC does not impact cost effectiveness.

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

Addendum t to 90.1-2016

Modify 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 **Error! Reference source not found.** 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,
- e. 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 **Error! Reference source not found.** shall not exceed the *exterior lighting power allowance*

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developed in accordance with this section. Trade-offs are allowed only among exterior lighting applications listed in the Table **Error! Reference source not found.** “Tradable Surfaces” section. The lighting zone for the *building* exterior is determined from Table **Error! Reference source not found.** unless otherwise specified by the local jurisdiction.

Table 9.4.2-1 Exterior Lighting Zones

Lighting Zone	Description
0	Undeveloped areas within national parks, state parks, forest land, rural areas, and other undeveloped areas as defined by the <i>authority having jurisdiction</i>
1	Developed areas of national parks, state parks, forest land, and rural areas
2	Areas predominantly consisting of <i>residential</i> zoning, neighborhood business districts, light industrial with limited nighttime use and <i>residential</i> mixed use areas
3	All other areas
4	High-activity commercial districts in major metropolitan areas as designated by the local jurisdiction

Table 9.4.2-2 Individual Lighting Power Allowances for Building Exteriors

	Zone 0	Zone 1	Zone 2	Zone 3	Zone 4
Base Site Allowance (Base allowance may be used in tradable or nontradable surfaces.)					
	No allowance	350 W	400 W	500 W	900 W

Tradable Surfaces

(LPD allowances for uncovered parking areas, *building* grounds, *building* entrances, exits and loading docks, canopies and overhangs, and outdoor sales areas may be traded.)

Uncovered Parking Areas

Parking areas and drives	No allowance	0.03 W/ft ²	0.04 W/ft ²	0.06 W/ft ²	0.08 W/ft ²
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Building Grounds

Walkways/ramps less than 10 ft wide	No allowance	0.5 W/linear foot	0.5 W/linear foot	0.6 W/linear foot	0.7 W/linear foot
Walkways/ramps 10 ft wide or greater Plaza areas Special feature areas	No allowance	0.10 W/ft ²	0.10 W/ft ²	0.11 W/ft ²	0.14 W/ft ²
Dining areas	No allowance	0.65 W/ft ²	0.65 W/ft ²	0.75 W/ft ²	0.95 W/ft ²
Stairways	No allowance	0.6 W/ft ²	0.7 W/ft ²	0.7 W/ft ²	0.7 W/ft ²
Pedestrian tunnels	No allowance	0.12 W/ft ²	0.12 W/ft ²	0.14 W/ft ²	0.21 W/ft ²
Landscaping	No allowance	0.03 W/ft ²	0.04 W/ft ²	0.04 W/ft ²	0.04 W/ft ²

Building Entrances, Exits, and Loading Docks

Pedestrian and vehicular entrances and exits	No allowance	14 W/lin ft of opening	14 W/lin ft of opening	21 W/lin ft of opening	21 W/lin ft of opening
Entry canopies	No allowance	0.20 W/ft ²	0.25 W/ft ²	0.4 W/ft ²	0.4 W/ft ²
Loading docks	No allowance	0.35 W/ft ²	0.35 W/ft ²	0.35 W/ft ²	0.35 W/ft ²

Sales Canopies

Free standing and attached	No allowance	0.4 W/ft ²	0.4 W/ft ²	0.6 W/ft ²	0.7 W/ft ²
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Outdoor Sales

BSR/ASHRAE/IES Addendum t to ANSI/ASHRAE Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

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Open areas (including vehicle sales lots)	No allowance	0.2 W/ft ²	0.2 W/ft ²	0.35 W/ft ²	0.5 W/ft ²
Street frontage for vehicle sales lots in addition to “open area” allowance	No allowance	No allowance	7 W/linear foot	7 W/linear foot	21 W/linear foot
Nontradable Surfaces					
(LPD allowances for the following applications can be used only for the specific application and cannot be traded between surfaces or with other exterior lighting. The following allowances are in addition to any allowance otherwise permitted in the “Tradable Surfaces” section of this table.)					
<i>Building</i> facades (The allowance for each illuminated facade <i>orientation</i> shall be calculated by multiplying the allowable value by the entire facade area or facade length for that <i>orientation</i> .)	No allowance	No allowance	0.1 W/ft ² of <i>façade area</i> or 2.5 W/linear foot of facade length	0.15 W/ft ² of <i>façade area</i> or 3.75 W/linear foot of facade length	0.2 W/ft ² of <i>façade area</i> or 5.0 W/linear foot of facade length
Automated teller machines and night depositories	No allowance	135 W per location plus 45 W per additional ATM per location	135 W per location plus 45 W per additional ATM per location	135 W per location plus 45 W per additional ATM per location	135 W per location plus 45 W per additional ATM per location
Uncovered entrances and gatehouse inspection stations at guarded facilities	No allowance	0.5 W/ft ²	0.5 W/ft ²	0.5 W/ft ²	0.5 W/ft ²
Uncovered loading areas for law enforcement, fire, ambulance, and other emergency service vehicles	No allowance	0.35 W/ft ²	0.35 W/ft ²	0.35 W/ft ²	0.35 W/ft ²
Drive-through windows/ <i>doors</i>	No allowance	200 W per drive-through	200 W per drive-through	200 W per drive-through	200 W per drive-through
Parking near 24-hour retail entrances	No allowance	400 W per main entry	400 W per main entry	400 W per main entry	400 W per main entry
Roadway/parking entry, trail head, and toilet facility, or other locations approved by the <i>authority having jurisdiction</i> .	A single <i>luminaire</i> of 25 W or less	No additional allowance	No additional allowance	No additional allowance	No additional allowance
<u>For areas that are not listed in this Table or are not comparable to areas listed in this Table, use the comparable interior <i>space</i> type from Table 9.6.1 as modified by the factors in this row</u>	No allowance	<u>65% of the interior lighting power allowance value</u>	<u>65% of the interior lighting power allowance value</u>	<u>80% of the interior lighting power allowance value</u>	<u>100% of the interior lighting power allowance value</u>



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

Public Review Draft

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

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(Draft Shows Proposed Independent Substantive
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FOREWORD

Most hospitals use reheat HVAC systems with simultaneous heating and cooling. Even with required air or water economizers, there are many hours with simultaneous heating and cooling use. It is generally lower cost to generate heating water with a heat recovery chiller or heat pump when the chilled water generated is useful than it is to use a boiler that complies with 90.1.

Evaluation of a typical hospital in multiple climate zones shows a potential for reasonable recovery with a heat recovery chiller or heat pump that is sized between 7% and 12% of the cooling plant, depending on climate zone. For simplification, the minimum is set at 7% of total cooling load across the board.

An economic analysis was made using the 90.1 scalar method based on installed heat recovery chiller costs of \$1,800 per ton. The resulting scalars were all under 10 years for required climate zones vs. a scalar limit of 13 years. The trend of higher savings in warmer climate zones was used to include climate zones 1 and 0 without specific analysis. The payback in Climate Zone 2B was under 5 years.

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Addendum V to 90.1-2016

Modify the standard as follows (IP and SI Units)

Add new section 6.5.6.3

6.5.6.3 Heat Recovery for Space Conditioning

Where heating water is used for space heating, a condenser heat recovery *system* shall be installed provided all of the following are true:

- a. The building is an acute care inpatient hospital.
- b. The total design chilled water capacity for the building, either air cooled or water cooled, required at cooling *design conditions* exceeds 3,600,000 Btu/h (1,100 kW) of cooling.
- c. Simultaneous heating and cooling occurs above 60°F (16°C) *outdoor air temperature*.

The required heat recovery *system* shall have a cooling capacity that is at least 7% of the total design chilled water capacity of the acute care inpatient hospital at peak design conditions.

Exception to 6.5.6.3

1. Buildings that provide $\geq 60\%$ of their reheat energy from *on-site renewable energy* or *site-recovered energy*.
 2. Buildings in climate zones 5C, 6B, 7, & 8.
-

Draft Standard

CSA B45.8-~~13~~XX/

IAPMO Z403-~~2013~~20XX

Terrazzo, concrete, composite stone, and natural stone plumbing fixtures

Note: This draft is under development and subject to change; it should not be used for reference purposes.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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DATE: February 6, 2018

The changes indicated in the following pages are those that were made to the standard following the original ANSI Public Review period (Start 11/24/2017 End: 1/8/2018).

Clarified that when overflows in bathtubs are provided they are subject to the dimensions indicated in the Figure except when factory provided waste and overflow fittings are used.

4.2.2 Overflows

[4.2.2.1 Lavatories and sinks](#)

4.2.2.1.1 Provision and positioning

Overflows in lavatories and sinks may be provided at the option of the manufacturer. When overflows are provided, their position in the fixture shall be at the option of the manufacturer.

4.2.2.1.2 ~~Overflows in sinks intended for~~ [Dishwashing and](#) food preparation

When provided, overflows in sinks intended for food preparation (e.g., kitchen and bar sinks) shall not be concealed and shall be accessible for disassembly and cleaning after installation.

[4.2.2.2 Bathtubs](#)

[Overflows in bathtubs may be provided at the option of the manufacturer. When overflows are provided, their dimension, location, and position in relation to the waste outlet in the fixture shall be as shown in Figure 8.](#)

[Variations in location, geometry, diameter, and angle of orientation of the overflow opening shall be acceptable when factory-provided waste and overflow fittings are used.](#)

[Note: Some plumbing codes might require bathtub overflows.](#)

4.2.2.3 Performance

When provided, overflows for sinks and lavatories shall comply with Clause 5.9.

Clarified the comparative measure to use to determine the mixture percentages and removed the granular size requirements.

4.6 Composite stone

4.6.1 Composition

Composite-stone materials shall be made of a homogeneous mixture containing not less than 70% natural stone mineral granules and not more than 30% non-cementitious binders and inert materials, [measure by mass](#).

~~4.6.2 Granules~~

~~The granules shall consist of natural stone mineral grains with various shapes and sizes and with maximum dimension not exceeding 1 mm.~~

For uniformity with other fixture standards the rate was changed to reference the fixture fitting standard ASME A112.18.1/CSA B125.1.

5.9.1 Procedure

The overflow test shall be conducted as follows:

- (a) Install the specimen using a waste fitting waste fitting that complies with ASME A112.18.2/CSA B125.2.
- (b) Supply water to the specimen [the maximum flow rate specified in ASME A112.18.1/CSA B125.1 for flow rate testing of a supply fitting appropriate for the specimen](#) ~~at a rate of 5.7 L/min (1.5 gpm)~~. If the specimen is a laundry or utility sink, the rate of water supply to the major compartment shall be at least 15 L/min (4 gpm) and to the minor compartment (if any) at least 9 L/min (2.4 gpm).
- (c) Block the waste outlet.
- (d) Measure the elapsed time from the onset of water flowing into the overflow opening until the water begins to flow over the flood level of the specimen.

Deleted allowance to mark with "N" to be consistent with other fixture standards.

6.2 Non-standard fixtures

6.2.1

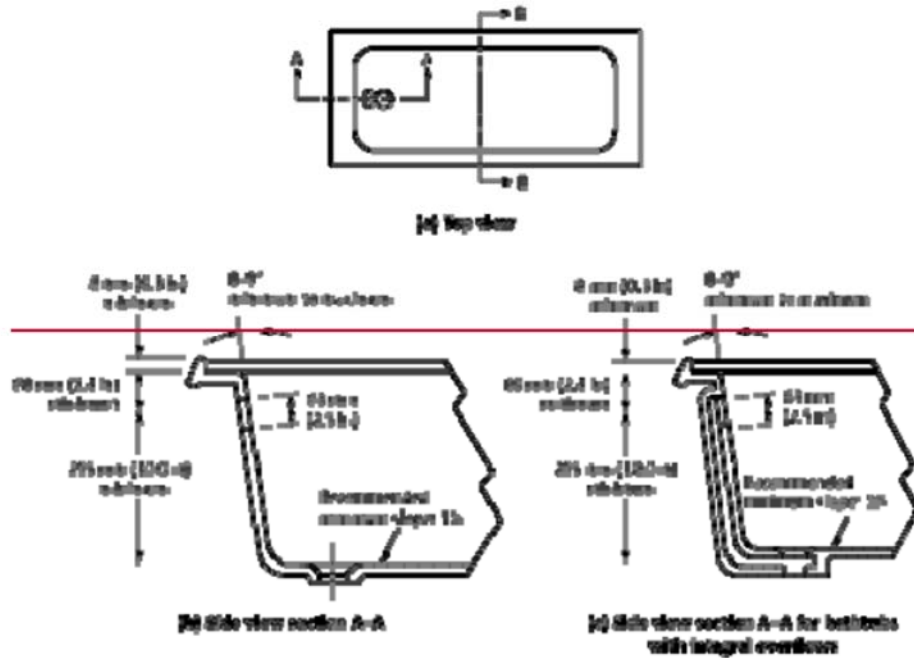
Fixtures that require proprietary (i.e., non-standard) components, e.g., supply or waste fittings, shall indicate, in the packaging or the accompanying literature, that such components are provided by the manufacturer and shall identify the proper replacement parts.

~~6.2.2~~

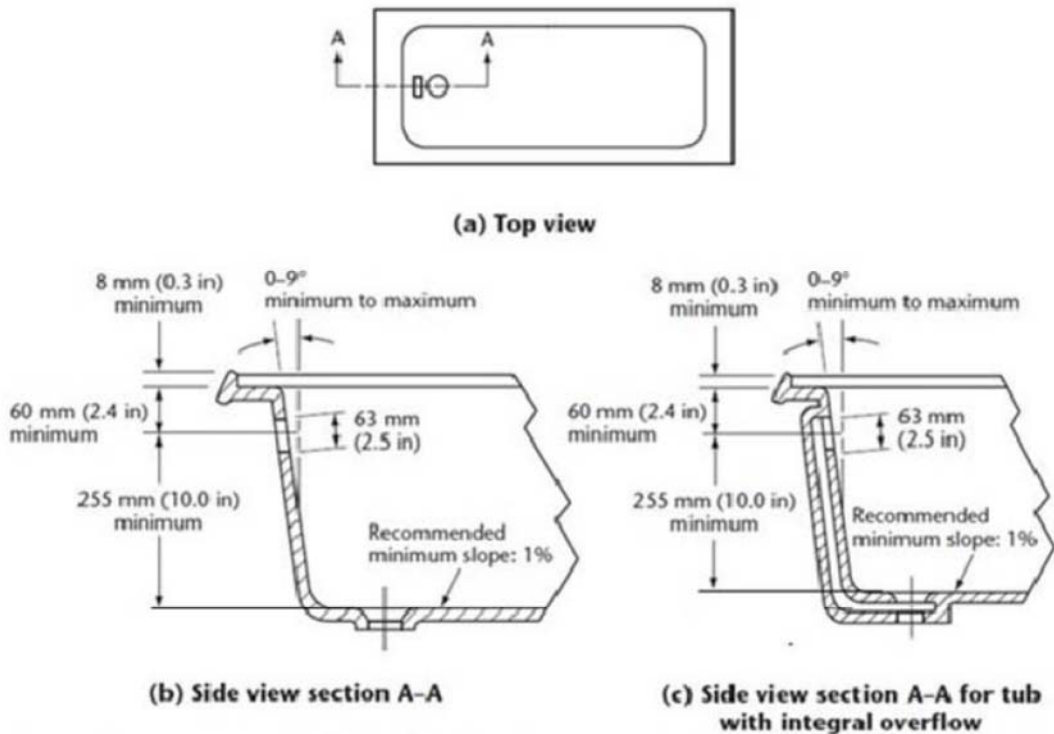
~~Fixtures that do not comply with one or more of the dimensional requirements of this Standard shall be marked with an "N" to indicate the non-standard nature of the fixture.~~

~~Note: This Clause is not intended to apply to fixtures that comply with none of the dimensional requirements of this Standard.~~

Added top view figure to show sectional dimensions B-B.



Note: These diagrams are not intended to restrict design.



Note: These diagrams are not intended to restrict design. Alternative sizes and shapes shall be considered acceptable.

Figure 7
Minimum dimensions for bathtubs
 (See Clauses 4.4.1 and 4.4.2.)

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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 International Standard for Biosafety Cabinetry —

Biosafety cabinetry: Design, construction, performance, and field certification

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Annex G (informative)

Generation of any gas or vapor used to decontaminate a BSC should be done in a safe manner to limit exposure to personnel and to the environment. A safe manner should include instructions and equipment necessary to safely stop the generation of gas or vapor, and neutralize or remove the gas or vapor as quickly as possible to limit exposure.

G.1 Recommended biosafety cabinet decontamination procedure

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G.1.4.2 Chlorine Dioxide (CD)

G.1.4.2.1 Method 1 – fixed amount of CD

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d) ~~Attach the external CD gas generator delivery system to the BSC (figure G1a).~~ Depending upon the manufacturer, CD gas generation may take place within the BSC or external to the BSC with a dispersion system to circulate the CD gas within the BSC. Following the manufacturer's instructions, place the CD generator and delivery system within the BSC, or attach the external CD generator and delivery system to the BSC. A means of recirculation to ensure adequate distribution of CD and humidity within the BSC, including above the exhaust filter, will be provided. (The recirculation loop may include the CD generator within the loop). The inlet tube will preferably be connected into or beneath the work-space and the return tube shall be connected to a location above the exhaust HEPA/ULPA filter.

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k) Begin generation and ~~injection~~ dispersion of CD gas into or within the cabinet. Use the amount of CD – generating chemical as determined in step (b) above.

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G.1.4.2.2 Method 2 – fixed concentration of CD

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b) ~~Attach the external chlorine dioxide gas (CD) generator delivery system to the BSC (figure G1A).~~

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Depending upon the manufacturer, CD gas generation may take place within the BSC or external to the BSC with a dispersion system to circulate the CD gas within the BSC. Following the manufacturer's instructions, place the CD generator and delivery system within the BSC, or attach the external CD generator and delivery system to the BSC. The inlet and outlet tubes/hoses to the BSC, may be connected to or beneath the workspace. For all B-type cabinets and for A-type cabinets with an inoperable internal blower, a means of recirculation to ensure adequate distribution of CD and relative humidity within the BSC, including above the exhaust filter, will be provided. (The recirculation loop may include the CD generator within the loop.) The inlet tube will preferably be connected into or beneath the workspace and the return tube will preferably be connected to a location above the exhaust HEPA/ULPA filter.

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j) Begin generation and ~~injection~~ dispersion of CD gas into ~~or within the~~ cabinet. Monitoring the CD concentration within the cabinet, cease generation when the concentration has at least achieved the targeted CD concentration (3.0 or 5.0 mg/L).

Rationale: During the 2016 revision of Standard 49, language was established that inadvertently limited CD Gas generation/dispersion technologies that are likewise safe for use. This update is intended to correct that error.

BSR/UL 13, Standard for Power-Limited Circuit Cables

1. Introduction of Optional Suffixes HF, LSHF and ST1 and Deletion of LS

PROPOSAL

PROPOSAL

47.1 The following information shall appear at the intervals indicated in 45.1 throughout the entire length of the finished cable. The supplementary markings "-ER", "-OF", "~~LS~~", "ST-1", "HF", "LSHF" and "-CI" must immediately follow the type letters. The sequence of these markings is not specified. The sequence of the other items is not specified. For example, a cable that meets the requirements of both -ER and -LP can be marked CL2-ER-LP(1.0 A) or CL2-LP (1.0 A)-ER. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 50.1 and 50.2 for date marking.

a) Cable Designation and Voltage Rating:

1) TYPE LETTERS - The applicable type letters. Use of the word "Type" is not required.

"Type CL3P" or "Type CL2P" for cables that are for Class 3 or Class 2 circuits and comply with the requirements in this Standard as well as complying with 25.1 and 1.6 (a) as to flame propagation and smoke density under the National Fire Protection Association Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces, ANSI/NFPA 262. Type CL3P cable qualifies as Types CL3R, CL3, and CL3X. Type CL2P cable qualifies as Types CL2R, CL2, and CL2X.

"Type CL3R" or "Type CL2R" for cables that are for Class 3 or Class 2 circuits and comply with the requirements in this Standard as well as complying with 26.1 and 26.2 and of 1.6 (b) as to flame-propagation characteristics under the requirements for test for flame propagation height of electrical and optical-fiber cables installed vertically in shafts (riser flame test), UL 1666. Type CL3R cable qualifies as Types CL3 and CL3X. Type CL2R cable qualifies as Types CL2 and CL2X.

"Type CL3" or "Type CL2" for cables that are for Class 3 or Class 2 circuits and comply with the requirements in this Standard, including the vertical-tray flame test referenced in Alternative Vertical-Tray Flame Tests on Type CL3, CL2, and PLTC Cables, Section 28. Type CL3 cable qualifies as Type CL3X. Type CL2 cable qualifies as Type CL2X.

"Type CL3X" or "Type CL2X" for limited-use cables that are for Class 3 or Class 2 circuits and comply with the requirements in this Standard, including the VW-1 flame test referenced in VW-1 (Vertical-Specimen) Flame Test, Section 27. The cable shall not be marked "VW-1".

"Type PLTC" for cable that is for Class 3 and Class 2 circuits in general and in trays and complies with the requirements in this Standard, including the vertical-tray flame test referenced in Alternative Vertical-Tray Flame Tests on Type CL3, CL2, and PLTC Cables, Section 28, and the sunlight-resistance test referenced in Sunlight Resistance Test, Section 29.

2) OPTICAL-FIBER MEMBER(S) INCLUDED - The supplementary letters "-OF" shall be added immediately after the type letters for each cable that contains one or more optical-fiber members.

3) The designation "LS" ST-1 (signifying "limited smoke") added as a suffix immediately following the type letters for each cable construction that complies with the fire and smoke requirements in one of the alternative tests referenced in 28.4.1 of this Standard and described in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. This marking is not required.

4) "-LP" (XX A) where XX shall be 0.5, 0.6, 0.7, 0.8, 0.9 or 1.0 to designate the current rating of that each conductor in the cable is permitted to carry may be added as a suffix immediately following the type letters for each cable construction that complies with the cable heating test described in Section 44A.

5) "HF" suffix to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free in accordance with UL 2885, Outline of Investigation for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens.

6) "LSHF" suffix to designate the cable that meets the "-HF" requirements and also complies with the requirements for low smoke when tested in accordance with IEC 61034-2, Measurement of Smoke Density of Cables Burning Under Defined Conditions - Part 2: Test Procedure and Requirements.

b) Size (use of "AWG" is not required), Quantity, and Other Conductor Identification (see paragraph 5.2 and note (a) to Table 12.1):

1) Size (not quantity) is required for single-conductor cable.

2) Size of center conductor is required for coaxial member(s).

3) Size (not quantity) is required for a cable containing individual or paired copper conductors that are all of the same size and are used alone or in combination with other conductors, wires, and/or members. However, size is not required on the cable surface where each individual copper conductor is marked with its size. Example: "22" alone or "3C22" or "3 cdr 22" for a cable containing three 22 AWG conductors, and "4 pr 24" for a cable containing four pairs of 24 AWG conductors.

4) For a cable containing a mixture of sizes of individual or paired copper conductors, the AWG sizes and the quantity of each size are required. The quantity is not required on the cable surface where each individual copper conductor is marked with its AWG size.

5) For a cable containing only thermocouple-extension wires, the cable surface shall be marked with the nominal AWG size(s) (see note (a) to Table 5.1), and one of the designations "THCPL EXTN", "For thermocouple-extension use only", or "Thermocouple-extension wire only" plus an identification(s) from either of the following columns for the combination(s) of thermocouple-extension conductor metals used:

Type designation	Combination of metals
JX ^a , JJ, J	iron/constantan
KX ^a , KK, K	chromel/alumel
TX ^a , TT, T	copper/constantan
EX ^a , EE, E	chromel/constantan
SS, S	platinum/10%rhodium
SX ^a , RX ^a	copper/alloy
RR, R	platinum/13%rhodium
BX ^a	copper/copper
NX, NN, N	nickel-chromium-silicon/nickel-silicon-magnesium
GX	tungsten/tungsten-26%rhenium
CX	tungsten-5%rhenium/tungsten-26%rhenium
DX	tungsten-3%rhenium/tungsten-25%rhenium

^a ISA type (see the Instrumentation, Systems and Automation Society standard "Temperature Measurement Thermocouples" ISA MC96.1).

6) For a cable containing other conductors and/or members and one or more pairs of thermocouple-extension wire, each pair of thermocouple-extension wires shall be marked with the nominal AWG size (see note (a) to Table 5.1) and with "THCPL EXTN", "For thermocouple-extension use only", or "Thermocouple-extension wire only" plus the thermocouple-extension conductor metal identification from (5). "THCPL EXTN" is required on the cable surface unless each of any individual copper conductors is marked with its AWG size.

c) "Shielded" for a cable containing one or more shields. This marking is not required.

d) The name of the cable manufacturer, that manufacturer's trade name for the cable, or both, or any other appropriate distinctive marking by means of which the organization responsible for the cable is readily identifiable. Where the organization responsible for the cable is different from the actual manufacturer, both the responsible organization and the actual manufacturer shall be identified by name or by appropriate coding such as trade name, trademark, or the assigned electrical reference number. It is appropriate to identify the actual manufacturer by the assigned colored marker thread or combination of colored marker threads; however, unless it or they supplement ink printing as stated in 47.3 and 47.4, colored marker thread(s) shall not be used to identify the responsible organization. The meaning of any coded identification shall be made

available by the organization responsible for the cable. It is appropriate also to identify a private labeler; the means is not specified. See 47.2 and 47.4.

e) The temperature rating of the cable (see 13.1 (a) and (b)) - is not required for cable rated for 60°C (140°F). The temperature rating shall be stated as "___°C" or "___C" or "___°C (___°F)" or "___C (___F)". Degrees F shall not appear in any manner other than as shown.

f) The designation "dir bur", "direct burial", or "for direct burial" for cable that complies with the cable crushing test described in 35.1 - 35.6, and the mechanical water absorption test in Mechanical Water Absorption Test of Insulation in Direct-Burial Cable, Section 36, or the long term insulation resistance test referenced in Section 30.

g) The designation "sun res" or "sunlight resistant" for cable that complies with the sunlight-resistance test referenced in 29.1. This marking is not required for Type PLTC cable.

h) The voltage rating for the cable type shall not be marked on or in the cable.

i) The designation "FT4/IEEE 1202" or "FT4" for Type CL3, CL2, or PLTC cable that complies with the FT4/IEEE 1202 test referenced in 28.1.1. This marking is not required. When used, this marking is to be spaced from the other markings required in this paragraph.

j) The designation "AUDIO ONLY" for Type CL2P, CL2R, CL2, and CL2X multiple-conductor jacketed cables (integral or nonintegral) in size 11 - 6 AWG. The "AUDIO ONLY" marking is not required for all other cable types.

k) The supplementary letters "-ER" shall be added immediately after Type PLTC for cable that complies with the test requirements in Sections 23 and 24.

l) The designation "oil res II" or "oil resistant II" for Type PLTC cable that has an overall jacket complying with the requirements in 40.1.

m) The designation "oil res I" or "oil resistant I" for Type PLTC cable that has an overall jacket complying with the requirements in 40.2.

~~n) The designation "Limited Combustible" for Type CL2P or CL3P plenum cable that complies with the requirements in 43.1. This marking is not required.~~

o) The low-temperature designation "-20 C" or "minus 20 C" for a cable complying with the cold-bend test at -20°C (-4°F) as indicated in 22.1. This marking is not required.

p) The low-temperature designation "-30 C", "-40 C", "-50 C", "-60 C", or "-70 C" as applicable for a cable complying with the cold-bend test at one of these temperatures as indicated in 22.1. The word "minus" is appropriate in place of the minus sign in this marking. This marking is required for the cable to be credited with a low-temperature rating below -20.0°C (-4.0°F).

- q) The designation "wet" or "wet location" for cable with conductors that comply with the requirements of the long term insulation resistance test in water in Section 30.
- r) The supplementary letters "-CI" added immediately after the cable designation for cable that complies with the requirements in 41.1. This marking is not required.
- s) Cable constructed with silver plated steel conductors shall be marked "DATA TRANSMISSION ONLY".

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BSR/UL 444, Standard for *Communication Cables*,

1. *Addition of Jackets of Expanded Material*

2. *Introduction of Optional Suffixes HF, LSHF and ST1*

PROPOSAL

1. Addition of Jackets of Expanded Material

5.10 Jackets

5.10.1 A jacket consisting of a continuous nonmetallic outer covering consisting of a solid and/or expanded material complying with the requirements of Clauses 5.10.2 - 5.10.8 shall be applied over the cable construction.

5.10.2 The jacket shall be uniform and shall not have any defects (bubbles, open spots, rips, tears, cuts, or foreign material) that are visible without magnification to normal or corrected-to-normal vision. Voids or bubbles within expanded material are not considered defects. Open voids or bubbles visible on the surface of a jacket of expanded material are considered defects.

5.10.6.1 Jackets of expanded materials are acceptable if the finished cable complies with the tests described in the Standard. Evaluation of jackets of expanded material shall include crush, impact and abrasion tests. These tests are waived on fluoropolymer jackets with a measured tensile strength of 2500 psi or more and for non-fluoropolymer jackets with a measured tensile strength of 1200 psi or more.

5.10.8 Tensile strength values of jacket materials, as specified in 7.8, Tables 9 and 10 shall be determined in accordance with the test, Insulation and Jacket Physical Properties in CSA C22.2 No. 2556 or UL 2556.

7.8.1 Specimens of jacket of solid material, removed from completed cable, shall meet the appropriate values shown in Table 9. Specimens of jackets of expanded material, removed from completed cable, shall meet the appropriate values for solid materials shown in Table 9 except the requirements for tensile strength shall be reduced by the same percentage as the percentage of voids within the material. The minimum reduced tensile strength requirement shall be shown in Table 9

Table 9

Minimum unaged properties of insulations and jackets

(See Clauses 5.10.8, 7.3.2.1, and 7.8.1.)

Material	Ultimate elongation percent	Tensile strength		Tensile strength jackets of expanded material	Tensile strength jackets of expanded material
		MPa	lbf/in ²	MPa	lbf/in ²
ECTFE ETFE	100	34.5	5000	<u>24.1</u>	<u>3500</u>
FEP	200	17.2	2500	<u>12.1</u>	<u>1750</u>
FRPE, FRPP	100	8.3	1200	<u>8.3</u>	<u>1200</u>
HDPE	300	16.5	2400	<u>11.6</u>	<u>1680</u>
LDPE	350	9.7	1400	<u>8.3</u>	<u>1200</u>
MFA, PFA	200	17.2	2500	<u>12.1</u>	<u>1750</u>
PP	150	20.7	3000	<u>14.5</u>	<u>2100</u>
PTFE	175	27.6	4000	<u>19.3</u>	<u>2800</u>
PVC	100	13.8	2000	<u>9.7</u>	<u>1400</u>
PVDF	100	24.1	3500	<u>16.9</u>	<u>2450</u>
SRPVC	100	20.7	3000	<u>14.5</u>	<u>2100</u>
TPE	300	9.65	1400	<u>8.3</u>	<u>1200</u>
XL	150	10.3	1500	<u>8.3</u>	<u>1200</u>
XLPO	150	13.8	2000	<u>9.7</u>	<u>1400</u>

Notes: 1) All materials shall be tested at 500 ±25 mm/min (20 ±1 in/min) except ECTFE, ETFE, FRPE, FRPP, HDPE, PP, PVDF, and SRPVC. These materials shall be tested at 50 ±5 mm/min (2.0 ±0.2 in/min).

2) An insulation or a jacket of a material other than one of those mentioned in the first column of this table may be used, provided that it has been evaluated to verify acceptability for use in the intended application.

2. Introduction of Optional Suffixes HF, LSHF and ST1

8.4.7 The designation "ST-1" (signifying "limited smoke") added as a suffix immediately following the type letters for each cable construction that complies with the fire and smoke requirements in one of the alternative tests referenced in 28.4.1 of this Standard and described in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. This marking is not required.

8.4.8 "HF" suffix to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free in accordance with UL 2885, "Outline of Investigation for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens,".

8.4.9 "LSHF" suffix to designate cable that meet the "-HF" requirements and also complies with the requirements for low smoke when tested in accordance with IEC 61034-2, "Measurement of Smoke Density of Cables Burning Under Defined Conditions - Part 2: Test Procedure and Requirements".

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BSR/UL 1203, Standard for Safety for *Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations*

1. Revisions to Delete 1.5 from the Scope Section

PROPOSAL

~~1.5 These requirements do not cover electrostatic devices, circuits or systems; refrigeration system controllers or the internal construction of electrical instruments such as meters.~~

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BSR/UL 1468-201x, Standard for Safety for *Direct Acting Pressure Reducing and Pressure Restricting Valves*

1. Clarifications for Pressure Restricting Valves

8 Rated Inlet Pressure

8.1 A pressure reducing valve shall be constructed for use at a rated inlet pressure of 175 psig (1210 kPa) or greater.

8.2 A pressure restricting valve shall ~~not be constructed for use at~~ have a rated inlet pressure ~~exceeding~~ of 175 psig (1210 kPa).

10 Outlet Pressure Settings - Valves Intended for Standpipe System Outlets

10.1 A pressure reducing valve intended for standpipe system outlets shall be constructed to incorporate a referenced setting or settings to provide static outlet pressures not exceeding 100 psig (691 kPa) for 1-1/2 NPS outlets and 175 psig (1210 kPa) for 2-1/2 NPS outlets and residual outlet pressures at the flows specified in Table 10.1.

Table 10.1

Valve Pressure Reducing Valves - residual inlet and outlet pressures

Residual inlet pressure, psig	Outlet size, NPS	Residual outlet pressure, psig @ flow rate
> 100	1-1/2	≥ 65 and ≤ 100 @ ≥ 100 gpm
> 175	2-1/2	≥ 100 and ≤ 175 @ ≥ 250 gpm

(NEW)

10.2 A pressure restricting valve intended for standpipe system outlets shall be constructed to incorporate a referenced setting or settings to provide residual outlet pressures flows specified in Table 10.2.

(NEW)

Table 10.2

Pressure Restricting Valves - residual inlet and outlet pressures

<u>Residual inlet pressure, psig</u>	<u>Outlet size, NPS</u>	<u>Residual outlet pressure, psig @ flow rate</u>
<u>≤ 175</u>	<u>1-1/2</u>	<u>≥ 65 and ≤ 100 @ ≥ 100 gpm</u>
<u>≤ 175</u>	<u>2-1/2</u>	<u>≥ 100 and ≤ 175 @ ≥ 250 gpm</u>

BSR/UL 1651, Standard for *Optical Fiber Cable*

1. New Suffixes HF and LSHF

PROPOSAL

~~12 Limited Combustible~~

~~12.1 Type OFNP or OFCP plenum cable that is marked as in 15.1(c) to indicate limited combustibles, shall comply with the requirements in NFPA 90A when tested in accordance with the Standard Test Method for Potential Heat of Building Materials, NFPA 259, and the Standard for Test for Surface Burning Characteristics of Building Materials, UL 723 (NFPA 255).~~

15 Information on or in the Cable

15.1 The following information shall appear at the intervals indicated in 13.1 throughout the entire length of the finished cable. Except for (a), the sequence of items is not specified. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 18.1 for date marking.

a) CABLE TYPE-LETTER DESIGNATION - Use of the word "Type" is not required:

"Type OFNP" and "Type OFCP" for cables that comply with the requirements in this Standard as well as complying with 7.1 and 1.2(a) as to flame propagation and smoke density in the National Fire Protection Association Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces, ANSI/NFPA 262 (plenum flame test). These cables may be marked "FT6"; where used, this marking is to be spaced from the other cable markings required in this paragraph.

"Type OFNR" and "Type OFCR" for cables that comply with the requirements in this Standard as well as complying with 8.1, 8.2, and 1.2(b) as to flame-propagation characteristics in the Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts, UL 1666 (near flame test).

"Type OFNG" and "Type OFCG" for cables that comply with the requirements in this Standard as well as complying with 1.2(c) and 9.3.1 as to cable damage in the FT4/IEEE 1202 Type of Flame Exposure (smoke measurements are not applicable) in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. These cables may be marked "FT4/IEEE 1202" or "FT4"; where used, this marking is to be spaced from the other cable markings required in this paragraph.

"Type OFN" and "Type OFC" for cables that comply with the requirements in this Standard as well as complying with 1.2(c) and 9.2.1 or 9.3.1 with regard to cable damage in the UL Flame Exposure or FT4/IEEE 1202 Type of Flame Exposure (smoke measurements are not applicable) in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. Where the vertical-tray flame test with which the cable complies consists of the FT4/IEEE 1202 Type of Flame Exposure, the cable may be marked "FT4/IEEE 1202" or "FT4"; where used, this marking is to be spaced from the other cable markings required in this paragraph.

b) RESPONSIBLE ORGANIZATION - The name of the cable manufacturer, that manufacturer's trade name for the cable, or both, or any other appropriate distinctive marking by means of which the organization responsible for the cable is readily identifiable. Where the organization responsible for the cable is different from the actual manufacturer, both the responsible organization and the actual manufacturer shall be identified by name or by appropriate coding such as trade name, trademark, or the assigned electrical reference number. It is appropriate to identify the actual manufacturer by the assigned colored marker thread or combination of colored marker threads; however, unless it or they supplement ink printing as stated in 15.3 and 15.4, colored marker thread(s) shall not be used to identify the responsible organization. The meaning of any coded identification shall be made available by the organization responsible for the cable. It is appropriate also to identify a private labeler; the means is not specified. See 15.2 and 15.4.

~~c) The designation "Limited Combustible" for Type OFNP or OFCP plenum cable that complies with the requirements in 12.1. This marking is not required.~~

~~d) c) The designation "sun res" or "sunlight resistant" for cable that complies with the sunlight resistance test referenced in 10.1.~~

~~e) d) For cables rated over 60°C, the temperature rating shall be stated as °C or C.~~

~~f) e) For OFN, OFC, OFNG and OFCG cables, the designation "-LS" "ST-1" (signifying "limited smoke") for cables that comply with the fire and smoke requirements in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. This marking is not required.~~

~~f) The "HF" suffix to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free in accordance with UL 2885, "Outline of Investigation for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens." This marking is not required.~~

~~g) The "LSHF" suffix to designate the cable that meets the "-HF" requirements and also complies with the requirements for low smoke when tested in accordance with IEC 61034-2, "Measurement of Smoke Density of Cables Burning Under Defined Conditions - Part 2: Test Procedure and Requirements". This marking is not required.~~

BSR/UL 1769, Standard for Cylinder Valves

1. Revision to tolerances in manufacturing and production test

MANUFACTURING AND PRODUCTION TESTS

29 General

29.4 Each production lot of valves provided with an overfilling prevention device shall be subjected to a quality-control program that shall include a test to verify that the shutoff mechanism activates within a range that corresponds to a level of liquid propane of ~~81.5 ±1.5~~ 77 - 83.5 percent of the volume of the container for which the valve is designed. The manufacturer shall provide documentation that the established lower and upper limits of the range correspond to the above liquid levels.

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