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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS):

DASMA (Door and Access Systems Manufacturers Association)

30-Day Call for Comment Deadline: August 11, 2019

ANSI/DASMA 105-2017

Test Method For Thermal Transmittance And Air Infiltration Of Garage Doors And Rolling Doors

The purpose of this test method is to measure the thermal characteristics of sectional garage doors and rolling doors under steady state conditions. Specifically, the measurements and calculations made will yield the steady-state thermal transmittance (U) using a hot box apparatus and the air infiltration rate.

Single copy price: Free

Send comments (with copy to psa@ansi.org) to: cjohnson@thomasamc.com

Obtain an electronic copy from: cjohnson@thomasamc.com

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

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS):

FCI (Fluid Controls Institute)

30-Day Call for Comment Deadline: August 11, 2019

ANSI/FCI 99-2-2004 (R2015)

Pressure Reducing Regulator Capacity

To provide a test methodology for measuring and reporting the capacity of pilot operated and direct acting pressure reducing regulators.

Single copy price: Free

Send comments (with copy to psa@ansi.org) to: cjohnson@thomasamc.com

Obtain an electronic copy from: cjohnson@thomasamc.com

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

ANSI/FCI 70-3-2016

Regulator Seat Leakage

To provide a test methodology for measuring and reporting the capacity of pilot operated and direct acting pressure reducing regulators.

Single copy price: Free

Send comments (with copy to psa@ansi.org) to: cjohnson@thomasamc.com

Obtain an electronic copy from: cjohnson@thomasamc.com

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

Comment Deadline: August 11, 2019

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

Addenda

BSR/ASHRAE Addendum a to Standard 145.2-201x, Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices (addenda to ANSI/ASHRAE Standard 145.2-2011)

ASHRAE 52.2 recently removed the Figure cited in 145.2 and replaced it with these calculations. This change proposal updates 145.2 to keep the method viable.

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

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

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum provides clarification for determining the RCL values of refrigerant blends by revising paragraph 7.2 Blends.

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

Send comments (with optional copy to psa@ansi.org) to: osr.ashrae.org

BSR/ASHRAE Addendum b to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum provides clarification for producing short-term toxicity data of blends in refrigerant applications.

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

Send comments (with optional copy to psa@ansi.org) to: osr.ashrae.org

BSR/ASHRAE Addendum c to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum corrects errors in RCL values found in Tables 4-1 and 4-2.

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

Send comments (with optional copy to psa@ansi.org) to: osr.ashrae.org

BSR/ASHRAE Addendum u to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum adds the zeotropic refrigerant blend R-466A in Table 4-2. This second public review is necessary to correct the RCL value provided in the first public review.

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

Send comments (with optional copy to psa@ansi.org) to: osr.ashrae.org

BSR/ASHRAE/ICC/USGBC/IES Addendum ae to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum ae to Standard 189.1-2017 proposes several changes to the Waste Management provisions in Section 9. In the Diversion section, deconstruction waste is specified as a qualifying category of waste for calculation purposes. Under Total Waste, new text has been added to explain that only new construction is applicable. The weight per area threshold for total waste has also been adjusted.

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

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

BSR/ASHRAE/ICC/USGBC/IES Addendum q to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum q to Standard 189.1-2017 addresses certain requirements in Section 8 that were identified as jurisdictional options in the first public review draft but have now been returned to the core provisions of the standard.

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

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

BSR/ASRHAE/ICC/USGBC/IES Addendum r to BSR/ASRHAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum r to Standard 189.1-2017 addresses certain requirements in Section 8 that were identified as jurisdictional options in the first public review draft but have now been returned to the core provisions of the standard.

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

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

NSF (NSF International)

Revision

BSR/NSF 4-201x (i25r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

Equipment covered by this Standard includes, but is not limited to, ranges, ovens, fat/oil fryers, fat/oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water heating equipment, proofing boxes and cabinets, hot-food holding equipment, rethermalization equipment, and hot-food transport cabinets.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 347A-201x, Standard for Safety for Medium Voltage Power Conversion Equipment (revision of ANSI/UL 347A-2019)

(1) Clarification of Section 11 – The Use of 2 Fuses in a Three Phase Circuit.

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

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

Comment Deadline: August 26, 2019

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 061-201x, Firearms and Toolmarks - 3D Measurement Systems and Measurement Quality Control (new standard)

This document provides requirements for the measurements systems (the instruments and included scan acquisition software) which capture data beyond a flat 2D photographic image for Firearm and Toolmark Analysis; in this document, these systems are referred to as 3D systems. This document provides requirements to ensure the instrument's accuracy, to conduct instrument calibration, and to estimate measurement uncertainty for each axis (X, Y, and Z). Included in the standard are procedures for validation of 3D system hardware. The focus of this standard is on the hardware and resulting measurement data; this standard does not include the requirements for measurement systems software.

Single copy price: Free

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

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

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

BSR/ASB Std 062-201x, Standard for Topography Comparison Software for Firearm and Toolmark Analysis (new standard)

This document specifies the minimum requirements for computer software intended to compare 2D and/or 3D digital representations of toolmarks. It covers necessary conditions for consistent and interpretable comparisons.

Single copy price: Free

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

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

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

BSR/ASB Std 063-201x, Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories. (new standard)

This document provides requirements for the proper implementation of 3D technologies (software and/or hardware)/technical procedure(s) required in a forensic toolmark laboratory. This standard includes requirements for setting up the physical environment for the instrumentation as well as requirements for instrument calibration and validation.

Single copy price: Free

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

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

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

BSR/ASB Std 088-201x, General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines (new standard)

This Standard contains requirements for the development of training of canine handlers and canines and will also detail the canine team assessments and the basis for certification procedures including record keeping and document management. This standard does not cover discipline specific guidelines.

Single copy price: Free

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

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

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

AARST (American Association of Radon Scientists and Technologists)

New Standard

BSR/AARST RRNC-201x, Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses (new standard)

This standard provides minimum specifications for the rough-in of radon control components in newly constructed 1- and 2-family dwellings and townhouses. This standard addresses needs where activities for verifying the effectiveness of radon control are outside the purview of a jurisdiction, code authority, or contract arrangements and for situations where time constraints or logistics prevent evaluations of radon concentrations in conjunction with completing a newly constructed home.

Single copy price: \$TBD for hard copy

Obtain an electronic copy from: www.RadonStandards.US

Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com

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

AARST (American Association of Radon Scientists and Technologists)

Revision

BSR/AARST CCAH-201x, Reducing Radon in New Construction of One- & Two-Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2013)

This standard provides prescriptive requirements for building design, installation of components, radon testing after construction, and fan activation (if needed) to facilitate reduced occupant exposure to radon hazards in 1- and 2-family dwellings and townhouses. Updates to this revised standard include additional specifications for larger homes along with a variety of improvements for specific situations.

Single copy price: \$TBD for hard copy

Obtain an electronic copy from: www.RadonStandards.US

Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com

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

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 8.15-2014 (R201x), Nuclear Criticality Control of Selected Actinide Nuclides (reaffirmation of ANSI/ANS 8.15-2014)

This Standard is applicable to operations with the following nuclides: 232U, 234U, 237Np, 236Pu, 238Pu, 240Pu, 241Pu, 242Pu, 241Am, 242mAm, 243Am, 242Cm, 243Cm, 244Cm, 245Cm, 246Cm, 247Cm, 249Cf, and 251Cf. Subcritical mass limits are presented for isolated units. The limits are not applicable to interacting units.

Single copy price: \$121.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (with optional copy to psa@ansi.org) to: P. Schroeder; pschroeder@ans.org

ASA (ASC S1) (Acoustical Society of America)

Revision

BSR/ASA S1.42-201x, Design Response of Weighting Networks for Acoustical Measurement (revision of ANSI/ASA S1.42-2001 (R2016))

Provides design information for the A-, B-, C-, D-, E-, G-, and U-weighting networks used for acoustical measurements. The analog poles and zeros for each weighting network are given, along with the equations for computing the magnitude and phase responses as functions of frequency. Coefficients and equations for computing the impulse and step responses of the A-, B-, C-, D-, and E-weighting networks as functions of time are provided in an informative annex. Information regarding digital implementation is also provided in an informative annex. Matlab scripts for the design of analog and digital implementations of the weighting networks described in this standard are also supplied.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

BSR/ASAE S583.2 MONYEAR-201x, Safety for Agricultural Front End Loaders (new standard)

This standard specifies safety requirements for the design and construction of agricultural front-end loaders (front loaders) designed to be mounted on standard agricultural tractors, specifically two-wheel drive tractors and four-wheel drive tractors with unequal sized wheels, as defined in ASAE 390.56 (ISO 12934:2013). The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of front loaders on agricultural tractors.

Single copy price: \$44.00 (ASAE Members); \$65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

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

Send comments (with optional copy to psa@ansi.org) to: vangilder@asabe.org

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum af to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum af to Standard 189.1-2017 identifies a number of Construction and Postconstruction requirements from Section 10 to be considered as jurisdictional options, i.e., requirements that the jurisdiction has the option to exclude from its adopted ordinances.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

BSR/ASRHAE/ICC/USGBC/IES Addendum j to BSR/ASRHAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum j to Standard 189.1-2017 proposes several clarifications and additions of more specific language to the renewable energy requirements described in Section 7.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

BSR/ASRHAE/ICC/USGBC/IES Addendum n to BSR/ASRHAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

Addendum n to Standard 189.1-2017 proposes several modifications to the composite wood requirements in Section 8 to better clarify which products are subject to CARB and USEPA guidelines limiting the use of formaldehyde resins.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK44075-201x, Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM WK63167-201x, Practice for Butt Fusion Joining of PA12 Pipe and Fittings (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM WK63309-201x, Specification for Polyethylene (PE) Electrofusion Fittings for Outside Diameter Controlled Crosslinked Polyethylene (PEX) Pipe (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM D2925-2014 (R201x), Test Method for Beam Deflection of Fiberglass (Glass-Fiber-Reinforced Thermosetting Resin) Pipe Under Full Bore Flow (reaffirmation of ANSI/ASTM D2925-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D3839-2014 (R201x), Guide for Underground Installation of Fiberglass (Glass-Fiber Reinforced Thermosetting-Resin) Pipe (reaffirmation of ANSI/ASTM D3839-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F714-2018 (R201x), Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (reaffirmation of ANSI/ASTM F714-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1563-2017 (R201x), Specification for Tools to Squeeze-off Polyethylene (PE) Gas Pipe or Tubing (reaffirmation of ANSI/ASTM F1563-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1948-2017 (R201x), Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing (reaffirmation of ANSI/ASTM F1948-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2207-2017 (R201x), Specification for Cured-in-Place Pipe Lining System for Rehabilitation of Metallic Gas Pipe (reaffirmation of ANSI/ASTM F2207-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2509-2017 (R201x), Specification for Field-Assembled Anodeless Riser Kits for Use on Outside Diameter Controlled Polyethylene and Polyamide-11 (PA11) Gas Distribution Pipe and Tubing (reaffirmation of ANSI/ASTM F2509-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2818-2017 (R201x), Specification for Specification for Crosslinked Polyethylene (PEX) Material Gas Pressure Pipe and Tubing (reaffirmation of ANSI/ASTM F2818-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM D2513-201x, Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM D2513-2016)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D3139-201x, Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals (revision of ANSI/ASTM D3139-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D3517-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe (revision of ANSI/ASTM D3517-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D3753-201x, Specification for Glass-Fiber-Reinforced Polyester Manholes and Wetwells (revision of ANSI/ASTM D3753-2012)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D3840-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe Fittings for Nonpressure Applications (revision of ANSI/ASTM D3840-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM D4097-201x, Specification for Contact-Molded Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks (revision of ANSI/ASTM D4097-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F439-201x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM F439-2013)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F442-201x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDRPR) (revision and redesignation of ANSI/ASTM F442/F442M-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F876-201x, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1025-201x, Guide for Selection and Use of Full-Encirclement-Type Band Clamps for Reinforcement or Repair of Punctures or Holes in Polyethylene Gas Pressure Pipe (revision of ANSI/ASTM F1025-2017)

https://www.astm.org/ANSI_SA

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Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1807-201x, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2019)

https://www.astm.org/ANSI_SA

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Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1924-201x, Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing (revision of ANSI/ASTM F1924-2012)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1960-201x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2014)

https://www.astm.org/ANSI_SA

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Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2159-201x, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2019)

https://www.astm.org/ANSI_SA

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Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2788-201x, Specification for Metric- and Inch-Sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

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

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2968-201x, Specification for Black Crosslinked Polyethylene (PEX) Pipe, Fittings and Joints for Gas Distribution Applications (revision and redesignation of ANSI/ASTM F2968/F2968M-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F3202-201x, Specification for Solid Wall Poly(Vinyl Chloride) PVC Fittings for Joining Corrugated-Wall High-Density Polyethylene (PE) and Polypropylene (PP) Piping (revision of ANSI/ASTM F3202-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0600329-2014 (R201x), Network Equipment - Earthquake Resistance (reaffirmation of ANSI ATIS 0600329-2014)

This standard, when used with established earthquake qualification practices, sets forth test methods, performance requirements, and acceptance criteria for determining the earthquake resistance of telecommunications equipment. Earthquake resistance is the equipment's ability to maintain a defined level of functionality without physical damage, disruption of service, or personnel hazard, during and after an earthquake. The purpose of this standard is to establish minimum levels of robustness for telecommunications equipment that may provide a level of survivability to preserve telecommunications services during and after an earthquake. This American National Standard establishes methods for determining equipment functionality within a defined earthquake environment. The test processes and performance requirements described in this standard apply to all telecommunications equipment fastened to the floor, walls, or other structural elements of telecommunications infrastructure.

Single copy price: \$145.00

Obtain an electronic copy from: dgreco@atis.org

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

BSR/ATIS 0600015.08-2014 (R201x), Energy Efficiency for Telecommunications Equipment: Methodology for Measuring and Reporting for Small Network Equipment (reaffirmation of ANSI/ATIS 0600015.08-2014)

This document specifies the definition of router and Ethernet switch products based on their position in a network, as well as a methodology to calculate the Telecommunication Energy Efficiency Ratio (TEER). The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: \$50.00

Obtain an electronic copy from: dgreco@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600031-201x, (Pumped) Distributed Refrigerant Cooling - Standardized Infrastructure (revision of ANSI ATIS 0600031-2014)

Equipment cooling infrastructure solutions have expanded and adapted to meet increasing equipment heat loads and improved energy efficiencies. Infrastructure solutions now include energy efficient Close-coupled cooling (C3) alternatives that bring the cooling (heat transfer) closer to the heat source. One C3 solution utilizes distributed refrigerant as a thermal transfer medium. As the industry adopts and integrates Distributed Refrigerant Cooling (DRC) systems, common infrastructure standards are needed to ensure interoperability and connectivity between manufacturers. This standard outlines design requirements for a standard refrigerant distribution infrastructure.

Single copy price: \$175.00

Obtain an electronic copy from: dgreco@atis.org

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

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

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

Single copy price: \$145.00

Obtain an electronic copy from: dgreco@atis.org

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

AWS (American Welding Society)

Revision

BSR/AWS D1.1/D1.1M-201x, Structural Welding Code - Steel (revision of ANSI/AWS D1.1/D1.1M-2015)

This code covers the welding requirements for any type of welded structure made from the commonly used carbon and low-alloy constructional steels. Clauses 1 through 11 constitute a body of rules for the regulation of welding in steel construction. There are normative and informative annexes in this code. A Commentary of the code is included with the document.

Single copy price: \$320.00

Obtain an electronic copy from: jmolin@aws.org

Order from: Jennifer Molin, (305) 443-9353, jmolin@aws.org

Send comments (with optional copy to psa@ansi.org) to: jmolin@aws.org

AWWA (American Water Works Association)

New Standard

BSR/AWWA G480-201x, Water Conservation and Efficiency Program Operation and Management (new standard)

This standard describes the critical elements of an effective water conservation and efficiency program. It encompasses activities undertaken by a utility within its own operations to improve water use on the supply side upstream of customer meters through distribution system management and on the downstream demand side of customer meters through customer billing and education practices. A program meeting this standard has the potential to impact all water users.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul J. Olson, polson@awwa.org

AWWA (American Water Works Association)

Revision

BSR/AWWA C750-201x, Transit-Time Flowmeters in Full Closed Conduits (revision of ANSI/AWWA C750-2016)

This standard describes transit-time ultrasonic flowmeters for water supply service application in pipes running full. An ultrasonic flowmeter is a meter that uses acoustic energy signals to measure liquid velocity. There are currently two distinct types of ultrasonic flowmeters available: Doppler-effect and transit-time.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul J. Olson, polson@awwa.org

BSR/AWWA C751-201x, Magnetic Inductive Flowmeters (revision of ANSI/AWWA C751-2015)

Magnetic inductive flowmeters or electromagnetic flowmeters are commonly called magmeters. The flowmeter referenced in this standard will be called a magmeter or magnetic flowmeter interchangeably. Magmeters are available in wafer style and threaded and flanged end connection designs. These spool/tube design flowmeters are most commonly used in the water industry. This standard will focus on magmeters of this design.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul J. Olson, polson@awwa.org

B11 (B11 Standards, Inc.)**Revision**

BSR B11.0-201x, Safety of Machinery (revision of ANSI B11.0-2015)

This Type-A standard applies to new, existing, modified, or rebuilt power driven industrial/commercial machines, not portable by hand while working. This standard specifies basic terminology, principles, and a methodology for achieving safety in the design and the use of machinery. It specifies principles of risk assessment and risk reduction to help designers, integrators, and users of machinery in achieving this objective.

Single copy price: \$165.00

Obtain an electronic copy from: dfelinski@b11standards.org

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

HL7 (Health Level Seven)**Reaffirmation**

BSR/HL7 V3 IG DS4P, R1-2014 (R201x), HL7 Version 3 Implementation Guide: Data Segmentation for Privacy (DS4P), Release 1 (reaffirmation of ANSI/HL7 V3 IG DS4P, R1-2014)

Some health data requires special handling according to law, organizational policies, or patient preferences. For appropriate sharing of health information to occur, a patient must trust that a provider organization will properly handle their health data, and disclosing organizations must have confidence that recipients will follow privacy protections according to any special handling instructions. In order to facilitate this secure and trusted exchange, data needs to be segmented and assigned specific privacy controls.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

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

Send comments (with optional copy to psa@ansi.org) to: Karenvan@HL7.org

NEMA (ASC C78) (National Electrical Manufacturers Association)**Reaffirmation**

BSR C78.79-2014 (R201x), Electric Lamps - Nomenclature for Envelope Shapes Intended for Use with Electric Lamps (reaffirmation of ANSI C78.79-2014)

This standard describes a system of nomenclature that provides designations for envelope shapes used for all electric lamps. These envelope shapes are intended to be used with ANSI standardized base and holder systems. The included general shapes are not associated with specific base and holder systems, they may be used with one or more of these systems.

Single copy price: \$135.00

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

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

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

BSR C78.375A-2014 (R201x), Electric Lamps: Fluorescent Lamps Guide for Electrical Measures (reaffirmation of ANSI C78.375A-2014)

This standard describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical characteristics of fluorescent lamps under standard conditions when operated on alternating current (ac) circuits. These methods are applicable both to lamps having hot cathodes -- switch-start (preheat-start), rapid-start (continuously heated cathodes), or instant-start -- and to lamps of the cold-cathode variety. The electrical characteristics usually measured are lamp current, lamp voltage, and lamp power. In the case of rapid-start lamps, the power measurements may include both the arc watts and the cathode watts. Total lamp power is the sum of arc watts and cathode watts. The methods noted in this standard apply to fluorescent lamps operated at common power-line frequencies (50 and 60 Hz) or high frequency.

Single copy price: \$75.00

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

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

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

New National Adoption

BSR C82.77-3-201X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Radiated, Radio-Frequency Electromagnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04))

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

Single copy price: \$50.00

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

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

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

BSR C82.77-8-201X, Standard for Lighting Equipment - Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)

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

Single copy price: \$50.00

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

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

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

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revision

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

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

Single copy price: \$77.00

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

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

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

NFPA (National Fire Protection Association)

National Fire Protection Association announces the availability of NFPA 921 First Draft Report for concurrent review and comment by NFPA and ANSI. The First Draft Report contains the disposition of public inputs that were received for NFPA 921. The First Draft Reports for the NFPA 921 can be found on www.nfpa.org/921next. All comments on NFPA 921 must be received by August 13, 2019. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab.

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 submit comments to NFPA's online submission system on NFPA 850 are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 921-201x, Guide for Fire and Explosion Investigations (revision of ANSI/NFPA 921-2017)

This document is designed to assist individuals who are charged with the responsibility of investigating and analyzing fire and explosion incidents and rendering opinions as to the origin, cause, responsibility, or prevention of such incidents and the damage and injuries that arise from such incidents. The completion of reports for the United States National Fire Incident Reporting System (NFIRS) are outside the scope of this guide. This guide considers NFIRS reports as incident reports and not as investigation reports. The information contained in an NFIRS report should generally be considered as the preliminary report of the fire department concerning any fire or explosion incident. An NFIRS report should not be used as a fire investigation report.

Obtain an electronic copy from: www.nfpa.org/921next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/921next

UL (Underwriters Laboratories, Inc.)

New National Adoption

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

ANSI approval of the proposed third edition of Standard for Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, UL 60335-2-40.

Single copy price: Free and it's available at: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 61010-2-034-201x, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-034: Particular Requirements for Measurement Equipment for Insulation Resistance and Test Equipment for Electric Strength (national adoption with modifications of IEC 61010-2-034)

This proposal for UL 61010-2-034 covers: safety requirements for measurement equipment for insulation resistance and test equipment for electric strength with an output voltage exceeding 50 V a.c. or 120 V d.c. Also, applies to combined measuring equipment which has an insulation resistance measurement function or an electric strength test measurement function.

Single copy price: Free

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

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UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 62841-3-1000-201x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1000: Particular Requirements for Transportable Laser Engravers (new standard)

This proposal for UL 62841-3-1000 covers: (1) Proposed first edition of the Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1000: Particular Requirements for Transportable Laser Engravers. This clause of Part 1 is applicable, except as follows: This standard is to be used in conjunction with UL 62841-1. This part of UL 62841 applies to transportable CO2 laser engravers, both cord connected and battery powered, with a laser power not exceeding 60 watts intended to cut, incise a design, engrave, ablate, burn, color, and perform similar processes on material samples inserted into the equipment. This standard does not apply to fiber laser engravers and laser engravers intended for industrial use.

Single copy price: Free

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 50-201x, Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations (revision of ANSI/UL 50-2015)

(1) Junction and pull boxes for use in air handling spaces; (2) Adhesives used to secure observation windows; (3) Add definitions of cabinet, cutout box, junction box, and pull box; (4) Restrictions on use of sheet metals screws; (5) Junction and pull boxes less than 100 cubic inches; (6) Clarification of Annex C for components; (7) Clarification of closure opening for polymeric materials; (8) New Annex E for Adhesives, Enclosures, Non-mechanical Means of Securement; (9) Requirements for encapsulated enclosures; (10) Exemption of Crush and Impact Tests if using safety or wire mesh glass in large openings.

Single copy price: Free

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BSR/UL 50E-201x, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations (revision of ANSI/UL 50E-2015)

(1) Adhesives used to secure observation windows; (2) Alternate investigation to Tensile Strength and Elongation Test for Gaskets; (3) Clarification of additional corrosion protection; (4) Expand eligible grades of austenitic stainless steel in UL 50E; (5) Alternative aging for Gasket Tensile Strength and Elongation Tests; (6) Allowance of X-ray spectrometry for Metallic Coating Thickness Test; (7) Allowance for type-rated ventilated enclosures; (8) Orientation of sample for Hosedown Test; (9) Length of conduit for Misalignment Test; (10) Required torque for conduit hubs for Misalignment Test; (11) Creep Test for Polymeric Gaskets; (12) Sealants Used with Enclosures; (13) New Annex E for Adhesives, Enclosures, Non-mechanical Means of Securement; (14) Requirements for encapsulated enclosures; and (15) Typo correction in Table 5

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 67-201x, Standard for Safety for Panelboards (revision of ANSI/UL 67-2019)

This proposal covers the following topics: (1) Removal of "Lighting and Appliance Branch Circuit Panelboards" from UL 67; (2) Revision of Rain Test requirements for panelboards; and (3) Revision of Requirements for neutrals in wiring gutter.

Single copy price: Free

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 508A-201X, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2018)

This ballot includes the revision to the following topics of the Standard: (1) Reference to Table 28.1 and/or 38.1; (2) E-stop in standard panels; (3) Update requirements for 1000v; (4) Revise spacing requirements applicable to the receptacles, attachment plugs, and inlets; (5) Revision to 30.1.8 for fused disconnect switches; and (6) Revised definition for low-voltage limited energy circuit.

Single copy price: \$ <http://www.shopulstandards.com>

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

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 2267-201x, Standard for Safety for Fuel Cell Power Systems for Installation in Industrial Electric Trucks (revision of ANSI/UL 2267-2011)

The Third Edition of UL 2267 is proposed which includes several substantive changes to update the requirements to address current technology and safety issues.

Single copy price: Free

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

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 6420-201X, Standards for Safety for Systems Isolation Equipment Rated as a Single Unit (revision of ANSI/UL 6420-2012 (R2018))

Recirculate the proposal which includes the addition of Pneumatic Isolation in UL 6420.

Single copy price: \$ <http://www.shopulstandards.com>

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

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: September 10, 2019

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

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

New Standard

BSR INCITS 551-201x, Information Technology - SCSI RDMA Protocol - 2 (SRP-2) (new standard)

Remote Direct Memory Access (RDMA) is a feature of some transport protocols like Virtual Interface (VI) and InfiniBand™. SRP and SRP-2 allow devices to directly access memory in other devices on a fabric. VI has been mapped to Fibre Channel and other fabrics. The following items should be considered for inclusion into the SRP-2 standard: more efficient usage of the information units defined by SRP; and other capabilities that may fit within the scope of this project. InfiniBand is a trademark and service mark of the InfiniBand Trade Association.

Single copy price: Free

Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=109899&wg_abbrev=eb

Order from: https://standards.incits.org/apps/group_public/document.php?document_id=109899&wg_abbrev=eb

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

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

CTA (Consumer Technology Association)

ANSI/CTA 2041-2012, Standard for Round Tactile Feedback Feature

Questions may be directed to: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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.

AARST (American Association of Radon Scientists and Technologists)

Office: 527 Justice Street
Hendersonville, NC 28739

Contact: Gary Hodgden

Phone: (202) 830-1110

E-mail: StandardsAssist@gmail.com

BSR/AARST CCAH-201x, Reducing Radon in New Construction of One & Two Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2013)

BSR/AARST RRNC-201x, Rough-In of Radon Control Components in New Construction of 1- & 2-Family Dwellings and Townhouses (new standard)

API (American Petroleum Institute)

Office: 200 Massachusetts Ave NW
Washington, DC 20001

Contact: Andrew Northup

Phone: (202) 682-8101

E-mail: northupa@api.org

BSR/API MPMS Ch. 21.1 3rd Ed.-201x, Flow Measurement Using Electronic Metering Systems - Electronic Gas Measurement (revision and redesignation of ANSI/API MPMS Ch. 21.1-2011)

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: Tanisha Meyers-Lisle

Phone: (678) 539-1111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 33-201X, Methods of Testing Forced Circulation Air-Cooling and Air-Heating Coils (revision of ANSI/ASHRAE Standard 33-2016)

ATIS (Alliance for Telecommunications Industry Solutions)

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

Contact: Drew Greco

Phone: (202) 628-6380

E-mail: dgreco@atis.org

BSR ATIS 0600329-2014 (R201x), Network Equipment - Earthquake Resistance (reaffirmation of ANSI ATIS 0600329-2014)

BSR/ATIS 0600015.08-2014 (R201x), Energy Efficiency for Telecommunications Equipment: Methodology for Measuring and Reporting for Small Network Equipment (reaffirmation of ANSI/ATIS 0600015.08-2014)

BSR/ATIS 0600031-201x, (Pumped) Distributed Refrigerant Cooling - Standardized Infrastructure (revision of ANSI ATIS 0600031-2014)

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

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

Office: 700 K Street NW
Suite 600
Washington, DC 20001

Contact: Barbara Bennett

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

BSR INCITS 551-201x, Information technology - SCSI RDMA Protocol - 2 (SRP-2) (new standard)

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: Pamela Dillon

Phone: (859) 225-9487

E-mail: pam@nasbla.org

BSR/NASBLA 100-201x, Basic Boating Knowledge - Core (new standard)

BSR/NASBLA 101-201x, Basic Boating Knowledge - Plus Human-Propelled (revision of ANSI/NASBLA 101-2017)

BSR/NASBLA 102-201x, Basic Boating Knowledge - Plus Sailing (revision of ANSI/NASBLA 102-2017)

BSR/NASBLA 103.1-201x, Supplement - Basic Boating Knowledge - Plus Water-Jet Propelled Boats (revision of ANSI/NASBLA 103.1-2018)

BSR/NASBLA 103-201x, Basic Boating Knowledge - Plus Power (revision of ANSI/NASBLA 103-2016)

NEMA (ASC C137) (National Electrical Manufacturers Association)

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

Contact: Michael Erbesfeld

Phone: (703) 841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR/C137.6-201x, Data Tagging Vocabulary (Semantic Model Elements) for Interoperability of Lighting Systems (new standard)

BSR/C137.7-201x, Standard for Lighting Systems - Networked Parking Lot Lighting Systems (new standard)

BSR C137.0-201x, Standard for Lighting Systems Terms and Definitions (revision of ANSI C137.0-2017)

NEMA (ASC C78) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: Michael Erbesfeld

Phone: (703) 841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR C78.79-2014 (R201x), Electric Lamps - Nomenclature for Envelope Shapes Intended for Use with Electric Lamps (reaffirmation of ANSI C78.79-2014)

BSR C78.375A-2014 (R201x), Electric Lamps: Fluorescent Lamps - Guide for Electrical Measures (reaffirmation of ANSI C78.375A-2014)

NEMA (ASC C82) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: Michael Erbesfeld

Phone: (703) 841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR C82.77-3-201X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Radiated, Radio-Frequency Electromagnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04))

BSR C82.77-8-201X, Standard for Lighting Equipment - Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)

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

NSF (NSF International)

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

Contact: Allan Rose

Phone: (734) 827-3817

E-mail: arose@nsf.org

BSR/NSF 4-201x (i25r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

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.

ABYC (American Boat and Yacht Council)

Revision

ANSI/ABYC H-1-2019, Field of Vision from the Helm Position (revision of ANSI/ABYC H-1-2010): 7/9/2019

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

Addenda

ANSI/ASHRAE 161d-2019, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2018): 6/27/2019

ANSI/ASHRAE 161e-2019, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2018): 6/27/2019

ANSI/ASHRAE Addendum 62.1ah-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.1ai-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.1am-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.1ap-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.1ar-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.2C-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 6/27/2019

ANSI/ASHRAE Addendum 62.2t-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 6/27/2019

ANSI/ASHRAE Addendum 90.4d-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE 90.4-2016): 6/27/2019

ANSI/ASHRAE Addendum g to 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016): 6/27/2019

ANSI/ASHRAE Addendum f to Standard 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016): 6/27/2019

ANSI/ASHRAE Standard 34x-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 6/27/2019

ANSI/ASHRAE Standard 34y-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 6/27/2019

ANSI/ASHRAE/IES 90.1al-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES 90.1ba-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES 90.1bd-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES 90.1bl-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum 90.1bh-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum 90.1bi-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum 90.1bk-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum 90.1bq-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum 90.1bt-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1ca-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1cc-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1ce-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1cg-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1ci-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1cj-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/IES Addendum 90.1Y-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/1/2019

ANSI/ASHRAE/IES Addendum bz to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASHRAE/USGBC/IES/ICC Addendum 189.1c-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1-2017): 6/27/2019

ANSI/ASHRAE/USGBC/IES/ICC Addendum 189.1d-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1-2017): 6/27/2019

ANSI/ASRHA/USGBC/IES/ICC Addendum 189.1e-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC 189.1-2017): 6/27/2019

ANSI/ASRHA/USGBC/IES/ICC Addendum 189.1g-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1-2017): 6/27/2019

ANSI/ASRHA/USGBC/IES/ICC Addendum 189.1h-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1-2017): 6/27/2019

ANSI/ASRHA/USGBC/IES/ICC Addendum 189.1i-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1-2017): 6/27/2019

ANSI/ASRHA/USGBC/IES/ICC Addendum v to ANSI/ASRHA/USGBC/IES/ICC Standard 189.1-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASRHA/USGBC/IES/ICC Standard 189.1-2017): 7/1/2019

Withdrawal

ANSIASHRAE/IAQA/RIA 6001-2011, Evaluation of HVAC/Mechanical System Surfaces to Determine the Impact from Fire Related Particulate (withdrawal of ANSI/IESO/RIA 6001-2011): 7/1/2019

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME PTC 50-2002 (R2019), Fuel Cell Power Systems Performance (reaffirmation of ANSI/ASME PTC 50-2002 (R2014)): 6/21/2019

CTA (Consumer Technology Association)

Reaffirmation

- * ANSI/CTA 766-D-2013 (R2019), U.S. and Canadian Rating Region Tables (RRT) and Content Advisory Descriptors for Transport of Content Advisory Information Using ATSC Program and System Information Protocol (PSIP) (reaffirmation of ANSI/CTA 766-D-2013): 7/9/2019

NALFA (North American Laminate Flooring Association)

Revision

ANSI/NALFA LF-01-2019, Laminate Flooring Specifications and Test Methods (revision of ANSI/NALFA LF-01-2010): 6/21/2019

NEMA (ASC C12) (National Electrical Manufacturers Association)

New National Adoption

ANSI IEC 62056-6-2 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-2: COSEM Interface Classes (identical national adoption of IEC 62056-6-2 ED3): 7/8/2019

ANSI/IEC 62056-9-7 ed 1.0-2019, Electricity Metering Data Exchange - Communication profile for TCP-UDP/IP networks. (identical national adoption of IEC 62056-9-7 ED 1.0): 7/8/2019

ANSI/IEC 62056-5-3 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 5-3: DLMS/COSEM application layer (identical national adoption of IEC 62056-5-3 ED3): 7/8/2019

ANSI/IEC 62056-6-1 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-1: Object Identification System (OBIS) (identical national adoption of IEC 62056-6-1 ED3): 7/8/2019

ANSI/IEC 62056-8-20 ED 1.0-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 8-20: Mesh communication profile for neighborhood networks (identical national adoption of IEC TS 62056-8-20 ED 1): 7/8/2019

NEMA (National Electrical Manufacturers Association)

New Standard

ANSI/NEMA HN 1-2019, Manufacturer Disclosure Statement for Medical Device Security (new standard): 7/9/2019

NSF (NSF International)

Revision

ANSI/NSF 50-2019 (i158r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018): 6/16/2019

ANSI/NSF 51-2019 (i19r1), Food Equipment Materials (revision of ANSI/NSF 51-2018): 6/25/2019

ANSI/NSF 350-2019 (i40r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2018): 6/18/2019

ANSI/NSF/CAN 60-2019 (i83r1), Drinking Water Treatment Chemicals - Health Effects (revision and redesignation of ANSI/NSF 60-2018): 6/23/2019

ANSI/NSF/CAN 61-2019 (i144r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2018): 6/24/2019

ANSI/NSF/CAN 61-2019 (i146r1), Drinking Water System Components - Health Effects (revision and redesignation of ANSI/NSF 61-2018): 6/25/2019

UL (Underwriters Laboratories, Inc.)

Revision

- * ANSI/UL 498A-2019, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2016): 7/2/2019

ANSI/UL 498A-2019a, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2016): 7/2/2019

ANSI/UL 521-2019, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2017): 7/1/2019

ANSI/UL 2044-2019, Standard for Safety for Commercial Closed-Circuit Television Equipment (revision of ANSI/UL 2044-2004 (R2016)): 6/28/2019

ANSI/UL 2442-2019, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2018): 6/18/2019

ANSI/UL 2442-2019a, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2018): 6/18/2019

ANSI/UL 60335-2-24-2019, Standard for Household and Similar Electrical Appliances - Safety - Part 2-24: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances and Ice-Makers (revision of ANSI/UL 60335-2-24-2017): 5/22/2019

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.

ANS (American Nuclear Society)

Contact: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org
555 North Kensington Avenue, La Grange Park, IL 60526

New Standard

BSR/ANS 56.2-201x, Containment Isolation Provisions for Fluid Systems after a LOCA (new standard)

Stakeholders: Nuclear facility owners/operators, architect-engineers, environmental, regulatory agency.

Project Need: The NRC staff determined that any future revision of RG 1.141, "Containment Isolation Provisions for Fluid Systems", should adopt the American National Standards Institute (ANSI)/American Nuclear Society (ANS) standard ANSI/ANS-56.2-1984, or a newer revision if available, with associated exceptions and clarifications. Reference ML15236A283. Mainly, this standard is being revised as it is still referenced by operating plant personnel dealing with 10CFR50 Appendix J Programs. One reason is that this standard is the only place that has detailed guidance regarding closed loop systems inside and outside of containment. It is a design standard but it also gives the needed insight into original design intent for operating plants' ongoing maint

This standard specifies minimum design, actuation, testing, and maintenance requirements for the containment isolation of fluid systems that penetrate the primary containment of nuclear power plants and include piping systems (including instrumentation and control) for all fluids entering or leaving the containment. Electrical systems are not included. This standard does not consider any isolation requirements that may exist for controlled leakage areas either enclosing the primary containment or contiguous to the primary containment. Also, this standard does not address containment isolation requirements for events other than LOCAs.

API (American Petroleum Institute)

Contact: Andrew Northup, (202) 682-8101, northupa@api.org
200 Massachusetts Ave NW, Washington, DC 20001

Revision

BSR/API MPMS Ch. 21.1 3rd Ed.-201x, Flow Measurement Using Electronic Metering Systems - Electronic Gas Measurement (revision and redesignation of ANSI/API MPMS Ch. 21.1-2011)

Stakeholders: Hydrocarbon measurement companies, oil extraction lessors, manufacturers of hydrocarbon measurement technology, operators of hydrocarbon measurement technology, hydrocarbon extraction operators, government agencies.

Project Need: To update the current standard to include additional averaging methods, incorporating recalculation methodologies for each and guidance for the user to implement the averaging methods. These additional methods will increase industry options in the use for diagnostics, issue identification, and business process needs.

Describes the minimum specifications for electronic gas measurement systems used in the measurement and recording of flow parameters of gaseous phase hydrocarbon and other related fluids for custody transfer applications utilizing industry-recognized primary measurement devices. Provides the minimum reporting and change management requirements of the various intelligent components required for accurate and auditable measurement.

ASCE (American Society of Civil Engineers)

Contact: James Neckel, (703) 295-6176, jneckel@asce.org
1801 Alexander Bell Dr, Reston, VA 20191

Revision

BSR/ASCE/EWRI 44-YY-201x, Standard Practice for the Design, Operation, and Evaluation of Supercooled Fog Dispersal Projects (revision of ANSI/ASCE/EWRI 44-2013)

Stakeholders: Airport and airfield operators.

Project Need: Fogs can pose a significant threat to public safety and quality of life in the air, on land, and at sea. For example, an airliner (Flight VD8387) overran the runway in heavy fog after landing in Yichun, in northeastern China, killing 43 passengers on August 24, 2010. Extended periods of fog can have large economic impacts on the aviation, tourism, transportation, and mining industries.

The focus of this standard is the dispersal of supercooled fog. Fog-clearing operations are required under US law to be reported to the National Oceanic and Atmospheric Administration (NOAA). Sponsors shall periodically publish the results of these activities, because knowing about them could improve the understanding of fogs and their impacts on society and the environment. The remainder of this document includes capability statements for fog dispersal and an abridged version of the physics of supercooled fog formation and dispersal, as well as recommendations for planning, organizing, conducting, and evaluating a supercooled fog dispersal project.

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

Contact: Tanisha Meyers-Lisle, (678) 539-1111, tmlisle@ashrae.org
1791 Tullie Circle NE, Atlanta, GA 30329

Revision

BSR/ASHRAE Standard 33-201X, Methods of Testing Forced Circulation Air-Cooling and Air-Heating Coils (revision of ANSI/ASHRAE Standard 33-2016)

Stakeholders: Coil manufacturers.

Project Need: The standard currently does not comply with mandatory language requirements.

This standard prescribes laboratory methods of testing forced-circulation air-cooling coils, for application under non-frosting conditions and forced-circulation air-heating coils to ensure uniform performance information for establishing ratings.

AWS (American Welding Society)

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

Revision

BSR/AWS C7.4/C7.4M-201x, Process Specification and Operator Qualification for Laser Beam Welding (revision of ANSI/AWS C7.4/C7.4M-2017)

Stakeholders: Laser beam welding industry.

Project Need: To make updates and revisions to the 2017 edition.

This specification on laser beam welding discusses applicable specifications, safety, requirements, fabrication, quality examination, equipment calibration and maintenance, approval of work, and delivery of work.

BSR/AWS C7.6/C7.6M-201x, Process Specification and Operator Qualification for Laser Hybrid Welding (revision of ANSI/AWS C7.6/C7.6M-2017)

Stakeholders: Fabricators and procurement organizations within the laser welding community.

Project Need: This document will provide standardization for companies who choose to specify the use of hybrid laser/arc welding processes and guidance to fabricators who use this set of processes to fabricate welded assemblies. It will also provide guidance to personnel who are tasked with developing process procedures.

This document will provide a list of normative references, a short glossary of specialized terms related to the use of hybrid laser/arc welding and a short description of special hazards associated with the processes. Once these areas have been addressed requirements for development of procedures and use of the process for fabrication will be listed along with the appropriate methods for documenting how the requirements are met. This will be followed by sections on appropriate weld quality examinations, quality assurance, and work approval. A short section on requirements for equipment calibration will also be included.

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

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

New Standard

BSR/IAPMO Z1123-201x, Method for Risk Assessment, Laboratory Assessment, and Labeling Procedures to Verify Compliance of Products or Materials with California Proposition 65 Requirements (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Needed for testing and certification purposes.

This standard establishes the risk assessment, laboratory assessment, and labeling procedures for verifying product compliance with California Proposition 65 (The Safe Drinking Water and Toxic Enforcement Act). This standard applies to plumbing products, water treatment products, food-service products, and building materials. This standard is intended to cover chemicals under the Proposition 65 list.

BSR/IAPMO Z1124-201x, Method for Laboratory Assessment, Performance Assessment, and Labeling Procedures to Verify Compliance with Established Perfluorinated Compounds (PFCs) Health Criteria for Products or Materials (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Needed for testing and certification purposes.

This standard establishes laboratory procedures to verify that products or materials which contact potable water do not leach Perfluorinated Compounds (PFCs) into water at levels above established health criteria, performance assessment for filtration systems that filter PFCs to levels below established health criteria, performance assessment for water treatment techniques that remove PFCs to levels below established health criteria, and labeling procedures for products that meet this standard. This standard applies to plumbing products, water treatment products, food-service products, and building materials.

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

Contact: *Chino Srinivasan, (630) 252-1985, b.srinivasan@science.doe.gov*
9800 S. Cass Avenue, Argonne, IL 60439

New Standard

BSR N15.57-201x, Methods of Nuclear Material Control - Inventorying UF6 Cylinders at Conversion, Enrichment, and Fuel Fabrication Plants (new standard)

Stakeholders: Stakeholders include those organizations responsible for planning and conducting physical inventories of UF6 cylinders at conversion, enrichment and fuel fabrication facilities. This includes staff working at the facilities, working for national regulatory authorities, and working for international inspectorates [e.g., the International Atomic Energy Agency (IAEA), European Atomic Energy Community (Euratom), Brazilian-Argentine Agency for Accounting and Control (ABACC)].

Project Need: A variety of organizations are required by national and international regulations to periodically conduct physical inventories of UF6 cylinders at nuclear facilities. This activity can be challenging due to the large number of cylinders in inventory, the extremely small font typically used on the cylinder nameplates, the often tight storage areas, and the variety of identification styles and formats historically used across the industry. Some sites add supplemental labels and barcodes to improve their on-site efficiency, but until recently, there has not been a common practice across industry that can be used by the International Atomic Energy Agency. Conducting inventory is generally a time-consuming, labor-intensive activity; this standard will improve inventory accuracy and efficiency.

This standard will provide guidance on how to effectively prepare for and conduct physical inventories of uranium hexafluoride cylinders. In 2017, the World Nuclear Transport Institute (WNTI) issued a consensus standard for identifying UF6 Cylinders. The identifier provides a standardized format that includes a 2D machine-readable representation of the identification number. This standard would provide guidance on how to use the global identifier when available and also use legacy identification numbers during the transition period.

NASBLA (National Association of State Boating Law Administrators)

Contact: Pamela Dillon, (859) 225-9487, pam@nasbla.org
1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511

New Standard

BSR/NASBLA 100-201x, Basic Boating Knowledge - Core (new standard)

Stakeholders: Recreational boating public, boating instructors, course developers, course providers, state and federal agencies, boating industry, safety organizations.

Project Need: This standard applies to the core basic boating knowledge for all disciplines (power, sail, or human-propelled) of recreational boating in the U.S. states, territories, and the District of Columbia.

This standard establishes the essential knowledge needed to reduce recreational boating risk factors and mitigate their effects. This "Core" standard is designed to be combined with discipline-specific power, sail, and/or human-propelled "Plus" standards for development of basic boating education courses and student assessment.

Revision

BSR/NASBLA 101-201x, Basic Boating Knowledge - Plus Human-Propelled (revision of ANSI/NASBLA 101-2017)

Stakeholders: Recreational boating public, boating instructors, course developers, course providers, state and federal agencies, boating industry, safety organizations.

Project Need: This standard applies to basic knowledge for human-propelled recreational boating in the U.S. states, territories, and the District of Columbia.

This discipline-specific "Plus" standard, when combined with the 'Basic Boating Knowledge – Core' standard, establishes minimum essential knowledge to reduce human-propelled recreational boating risk factors. The combined standards are to be used for development of basic boating education courses and student assessment for human-propelled vessels.

BSR/NASBLA 102-201x, Basic Boating Knowledge - Plus Sailing (revision of ANSI/NASBLA 102-2017)

Stakeholders: Recreational boating public, boating instructors, course developers, course providers, state and federal agencies, boating industry, safety organizations.

Project Need: This standard applies to basic knowledge for recreational sailboating in the U.S. states, territories, and the District of Columbia.

This discipline-specific "Plus" standard, when combined with the 'Basic Boating Knowledge – Core' standard, establishes minimum essential knowledge to reduce recreational sailing risk factors. The combined standards are to be used for development of basic boating education courses and student assessment for sailing vessels.

BSR/NASBLA 103.1-201x, Supplement - Basic Boating Knowledge - Plus Water-Jet Propelled Boats (revision of ANSI/NASBLA 103.1-2018)

Stakeholders: Recreational boating public, boating instructors, course developers, course providers, state and federal agencies, boating industry, safety organizations.

Project Need: This standard applies to basic knowledge for recreational water-jet propelled powerboating in the U.S. states, territories, and the District of Columbia.

This discipline-specific supplement standard, when combined with both 'Basic Boating Knowledge – Core' and 'Basic Boating Knowledge - Plus Power' standards, establishes minimum essential knowledge to reduce recreational risk factors for water-jet propelled boat operation. The combined standards are to be used for development of basic boating education courses and student assessment for Water-Jet Propelled powerboats.

BSR/NASBLA 103-201x, Basic Boating Knowledge - Plus Power (revision of ANSI/NASBLA 103-2016)

Stakeholders: Recreational boating public, boating instructors, course developers, course providers, state and federal agencies, boating industry, safety organizations.

Project Need: This standard applies to basic knowledge for recreational powerboating in the U.S. states, territories, and the District of Columbia.

This discipline-specific "Plus" standard, when combined with the 'Basic Boating Knowledge – Core' standard, establishes minimum essential knowledge to reduce recreational powerboating risk factors. The combined standards are to be used for development of basic boating education courses and student assessment for power-driven vessels.

NEMA (ASC C137) (National Electrical Manufacturers Association)

Contact: *Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org*
 1300 N 17th St Suite 900, Rosslyn, VA 22209

New Standard

BSR/C137.6-201x, Data Tagging Vocabulary (Semantic Model Elements) for Interoperability of Lighting Systems (new standard)

Stakeholders: Users, producers, general interest.

Project Need: This standard is needed to provide the lighting industry with common semantic elements to improve interoperability and exchange of data and metadata between systems.

This standard defines Semantic Model Elements for Lighting Systems via tagging schemas for the exchange of data and metadata used in control and analytics. The elements will include at least the following essential points of interoperability: Individual Occupancy Sensor State; Room or Area Occupancy State; Individual Sensor Illuminance Level; Room or Area Illuminance Level; Zone level; Load Control Level; Preset Select; Set Demand Response Mode; and Read Energy Consumption.

These lighting-specific elements will be recommended to be used in other models, including but not limited to Project Haystack, ASHRAE 223P (currently under development), and TALQ 2.0 to provide consistent object definitions at a conceptual level, independent of any specific implementations or protocols used to transport the data. When necessary to ensure execution, a higher degree of specificity (or detail) of the abstractions may be included, as well as examples of specific inclusion in existing modeling schemas. Applications include, but are not limited to, commercial, residential, industrial, roadway, and outdoor lighting applications. These semantic tags can work with various lighting protocols such as Zigbee, Digital Addressable Lighting Interface (DALI), and BACnet.

BSR/C137.7-201x, Standard for Lighting Systems - Networked Parking Lot Lighting Systems (new standard)

Stakeholders: Producers, users, test labs and specifiers.

Project Need: This project is needed to create a new standard needed by the lighting industry.

This standard sets forth the minimum compatibility requirements of elements in networked open parking lot lighting systems. Elements include, but are not limited to, light sources, luminaires, cameras, occupancy sensors, and non-lighting elements. The standard specifies interfaces between elements within the uncovered (open) parking lot area. This standard only addresses the requirements associated with field-serviceable and -replaceable items as it pertains to interoperability across suppliers. This standard does not apply to covered parking garages. The functions of the networked parking-lot lighting systems covered in this standard may include but are not limited to communication with the smart-grid, remote-control user interface, light-level adjustment, vehicle traffic and pedestrian monitoring. Although networked parking-lot lighting systems may be designed to learn and optimize various functions to provide adequate lighting, energy collection, storage and usage, this standard does not specify the algorithms for these functions. The standard also does not apply to system considerations covered by other standards developed by accredited bodies. Such considerations include lighting levels, spectral quality, pole spacing and height, and component efficiency.

Revision

BSR C137.0-201x, Standard for Lighting Systems - Terms and Definitions (revision of ANSI C137.0-2017)

Stakeholders: Producers, users, specifiers.

Project Need: This project is needed to add additional terms to the standard.

The definitions listed in this document apply or are directly related to lighting systems and are used in multiple lighting system standards. This standard is intended for use by lighting systems standards developers. The terms found in this document are recommended for use in all ANSI C137 lighting system standards. Where this document does not include a term, other references are listed.

SCTE (Society of Cable Telecommunications Engineers)

Contact: *Kim Cooney, (800) 542-5040, kcooney@scte.org*
 140 Phillips Rd, Exton, PA 19341

Revision

BSR/SCTE 15-201x, Specification for Trunk, Feeder and Distribution Coaxial Cable (revision of ANSI/SCTE 15-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

This specification applies to material, electrical and mechanical properties of seventy-five-ohm coaxial cables as defined herein. Seventy-five-ohm coaxial cables are used to distribute radio frequency (R.F.), digital signals and power as applicable.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AARST

American Association of Radon
Scientist and Technologists, Inc.
527 N. Justice Street
Hendersonville, NC 28739
Phone: (828) 348-0185
Web: www.aarst.org

ABYC

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

AISI

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

AMCA

Air Movement and Control
Association
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285
Web: www.amca.org

ANS

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

ASC X9

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

ASCA

Accredited Snow Contractors
Association
4012 Kinross Lakes Parkway, #201
Valley View, OH 44125
Phone: (216) 393-0303
Web: www.ascaonline.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329-2305
Phone: (678) 539-1125
Web: www.ashrae.org

ASME

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

ASSP (Safety)

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

ASTM

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

ATIS

Alliance for Telecommunications
Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8843
Web: www.atis.org

AWS

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

BHCOE

Behavioral Health Center of
Excellence
7083 Hollywood Boulevard
#565
Los Angeles, CA 90028
Phone: (310) 627-2746
Web: www.bhcoe.org

BHMA

Builders Hardware Manufacturers
Association
355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603
Phone: (860) 944-4264
Web: www.buildershardware.com

CPLSO

CPLSO
The Marchioness Building,
Commercial Road
Bristol BS16TG, UK BS1 6TG
Phone: (078) 796-9298 9

CSA

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

ESTA

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

HL7

Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777
Web: www.hl7.org

HPS (ASC N13)

Health Physics Society
1313 Dolley Madison Blvd #402
McLean, VA 22101
Phone: (703) 790-1745
Web: www.hps.org

IAPMO (ASSE Chapter)

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

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.org

IIAR

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

ITI (INCITS)

InterNational Committee for
Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
Phone: (202) 737-8888
Web: www.incits.org

NECA

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

NEMA (ASC C136)

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

NEMA (ASC C8)

National Electrical Manufacturers
Association
1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3278
Web: www.nema.org

NEMA (ASC C82)

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

NETA
InterNational Electrical Testing
Association
3050 Old Centre
Suite 101
Portage, MI 49024
Phone: (269) 488-6382
Web: www.netaworld.org

NFSI
National Floor Safety Institute
P.O. Box 92607
Southlake, TX 76092
Phone: (817) 749-1700
Web: www.nfsi.org

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

PDA
Parenteral Drug Association
Bethesda Towers, 4350 East-West
Highway
Bethesda, MD 20814
Phone: (301) -656-5900-
Web: www.pda.org

PMI (Organization)
Project Management Institute
14 Campus Blvd
Newtown Square, PA 19073-3299
Phone: (313) 404-3507
Web: www.pmi.org

RVIA
Recreational Vehicle Industry
Association
1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363
Phone: (703) 620-6003
Web: www.rvia.org

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

SIMA
Snow and Ice Management
Association
10140 N Port Washington Road
Milwaukee, WI 53092
Phone: (414) 375-1940
Web: www.sima.org

SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road
Suite 421
Waltham, MA 02452
Phone: (781) 647-7026
Web: www.spri.org

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

UL
Underwriters Laboratories, Inc.
12 Laboratory Drive
Reeseearch Triangle Park, NC 27709
Phone: (416) 288-2212
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AIR QUALITY (TC 146)

ISO/DIS 15202-1, Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry - Part 1: Sampling - 7/20/2019, \$71.00

ISO/DIS 15202-2, Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry - Part 2: Sample preparation - 7/20/2019, \$119.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 24638, Space systems - Pressure components and pressure system integration - 7/22/2019, \$88.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 19650-5, Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 5: security-minded approach to information management - 7/29/2019, \$98.00

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

ISO/DIS 21474-1, In vitro diagnostic medical devices - Multiplex molecular testing for nucleic acids - Part 1: Terminology and general requirements for nucleic acid quality evaluation - 9/15/2019, \$77.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO/DIS 8180, Ductile iron pipelines - Polyethylene sleeving for site application - 7/22/2019, \$46.00

FLOOR COVERINGS (TC 219)

ISO/DIS 11638, Resilient floor coverings - Heterogeneous poly(vinyl chloride) flooring on foam - Specification - 7/28/2019, \$53.00

GAS CYLINDERS (TC 58)

ISO/DIS 11119-1, Gas cylinders - Refillable composite gas cylinders and tubes - Design, construction and testing - Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l - 9/14/2019, \$107.00

ISO/DIS 11119-2, Gas cylinders of composite construction - Specification and test methods - Part 2: Fully wrapped fibre reinforced composite gas cylinders with load-sharing metal liners - 11/10/2008, \$107.00

ISO/DIS 11119-3, Gas cylinders - Refillable composite gas cylinders and tubes - Design, construction and testing - Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners - 9/14/2019, \$119.00

HEALTH INFORMATICS (TC 215)

ISO/DIS 17115, Health informatics - Representation of categorial structures of terminology (CatStructure) - 7/20/2019, \$58.00

INDUSTRIAL TRUCKS (TC 110)

ISO 3691-2/DAmD2, Industrial trucks - Safety requirements and verification - Part 2: Self-propelled variable-reach trucks - Amendment 2 - 9/20/2019, \$40.00

ISO/DIS 10896-1, Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks - 7/29/2019, \$125.00

LEATHER (TC 120)

ISO/DIS 20940, Leather - Crust full chrome upper leather - Specifications and test methods - 9/22/2019, \$40.00

MECHANICAL CONTRACEPTIVES (TC 157)

ISO 25841/DAmD1, Female condoms - Requirements and test methods - Amendment 1 - 9/12/2019, \$29.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 7195, Nuclear energy - Packagings for the transport of uranium hexafluoride (UF6) - 12/13/2021, \$107.00

OTHER

ISO/DIS 18219-2, Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCP) - 7/26/2019, \$40.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 13885-1, Gel permeation chromatography (GPC) - Part 1: Tetrahydrofuran (THF) as eluent - 9/21/2019, \$88.00

ISO/DIS 13885-2, Gel permeation chromatography (GPC) - Part 2: N, N-Dimethylacetamide (DMAC) as eluent - 9/21/2019, \$88.00

ISO/DIS 13885-3, Gel permeation chromatography (GPC) - Part 3: Water as eluent - 9/21/2019, \$82.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 9198, Paper, board and pulp - Determination of water-soluble sulfates - 9/15/2019, \$40.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 8973/DAmD1, Liquefied petroleum gases - Calculation method for density and vapour pressure - Amendment 1 - 9/15/2019, \$29.00

ISO 13758/DAmD1, Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method - Amendment 1 - 9/19/2019, \$29.00

ISO 12925-1/DAmD1, Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method - Amendment 1 - 9/26/2019, \$29.00

ISO/DIS 23572, Petroleum products - Lubricating greases - Sampling of greases - 7/20/2019, \$40.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18936, Imaging materials - Processed colour photographs - Methods for measuring thermal stability - 9/23/2019, \$62.00

ISO/DIS 18941, Imaging materials - Colour reflection prints - Test method for ozone gas fading stability - 9/23/2019, \$82.00

PLASTICS (TC 61)

ISO/DIS 844, Rigid cellular plastics - Determination of compression properties - 7/19/2019, \$62.00

ISO/DIS 22636, Adhesives - Adhesives for floor coverings - Requirements for mechanical and electrical performance - 7/20/2019, \$40.00

REFRACTORIES (TC 33)

ISO/DIS 21736, Refractories - Test methods for thermal shock resistance - 9/15/2019, \$53.00

ROAD VEHICLES (TC 22)

ISO/DIS 19453-6, Road vehicles - Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles - Part 6: Traction battery packs and systems - 9/12/2019, \$107.00

ISO/DIS 21111-5, Road vehicles - In-vehicle Ethernet - Part 5: Optical 1-Gbit/s physical layer system requirements and test plans - 9/12/2019, \$165.00

ISO/DIS 21308-2, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 2: Dimensional bodywork exchange parameters - 7/28/2019, \$155.00

ISO/DIS 21308-3, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 3: General, mass and administrative exchange parameters - 7/28/2019, \$82.00

ROLLING BEARINGS (TC 4)

ISO/DIS 21250-4, Rolling bearings - Noise testing of rolling bearing greases - Part 4: Test and evaluation method NQ - 7/22/2019, \$53.00

ROUND STEEL LINK CHAINS, CHAIN SLINGS, COMPONENTS AND ACCESSORIES (TC 111)

ISO/DIS 2415, Forged shackles for general lifting purposes - Dee shackles and bow shackles - 7/21/2019, \$88.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 22843, Rubber bands - General requirements and test methods - 7/28/2019, \$46.00

ISO/DIS 23464, Nitrile cleanroom gloves - Specification - 7/25/2019, \$40.00

ISO/DIS 3303-1, Rubber- or plastics-coated fabrics - Determination of bursting strength - Part 1: Steel-ball method - 7/25/2019, \$40.00

ISO/DIS 3303-2, Rubber- or plastics-coated fabrics - Determination of bursting strength - Part 2: Hydraulic method - 7/25/2019, \$46.00

SCREW THREADS (TC 1)

ISO 1501/DAmD1, ISO miniature screw threads - Amendment 1: The figure for the tolerance zone of external thread - 9/12/2019, \$29.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 13713, Ships and marine technology - Ships mooring and towing fittings - Mooring chocks - 7/25/2019, \$53.00

ISO/DIS 13728, Ships and marine technology - Ships mooring and towing fittings - Panama chocks - 7/25/2019, \$58.00

ISO/DIS 13729, Ships and marine technology - Ships mooring and towing fittings - Closed chocks - 7/25/2019, \$53.00

ISO/DIS 13755, Ships and marine technology - Ships mooring and towing fittings - Steel rollers - 7/25/2019, \$77.00

ISO/DIS 13767, Ships and marine technology - Ships mooring and towing fittings - Shipside roller fairleads - 7/25/2019, \$53.00

ISO/DIS 13776, Ships and marine technology - Ships mooring and towing fittings - Pedestal fairleads - 7/25/2019, \$46.00

ISO/DIS 13795, Ships and marine technology - Ships mooring and towing fittings - Welded steel bollards for sea-going vessels - 7/25/2019, \$62.00

ISO/DIS 13797, Ships and marine technology - Ships mooring and towing fittings - Cruciform bollards - 7/25/2019, \$40.00

ISO/DIS 13798, Ships and marine technology - Ships mooring and towing fittings - Recessed bits (Steel plate type) - 7/25/2019, \$46.00

ISO/DIS 13799, Ships and marine technology - Ships mooring and towing fittings - Recessed bits (Casting type) - 7/25/2019, \$46.00

ISO/DIS 23113, Ships and marine technology - Ships mooring and towing fittings - Seats for closed chocks - 7/25/2019, \$58.00

ISO/DIS 23115, Ships and marine technology - Ships mooring and towing fittings - Seats for mooring chocks - 7/25/2019, \$58.00

ISO/DIS 23116, Ships and marine technology - Ships mooring and towing fittings - Seats for Panama chocks - 7/25/2019, \$58.00

SMALL CRAFT (TC 188)

ISO/DIS 8848, Small craft - Remote steering systems - 7/22/2019, \$77.00

ISO/DIS 23411, Small craft - Steering wheels - 7/28/2019, \$62.00

STEEL (TC 17)

ISO 10893-1/DAmD1, Non-destructive testing of steel tubes - Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of hydraulic leaktightness - Amendment 1: Change of dimensions of the reference notch; change acceptance criteria - 9/13/2019, \$29.00

ISO 10893-2/DAmD1, Non-destructive testing of steel tubes - Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections - Amendment 1: Change of dimensions of the reference notch; change acceptance criteria - 9/13/2019, \$29.00

ISO 10893-3/DAmD2, Non-destructive testing of steel tubes - Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 2: Change acceptance criteria - 9/20/2019, \$29.00

ISO 10893-8/DAmD1, Non-destructive testing of steel tubes - Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections - Amendment 1: Change acceptance criteria - 9/20/2019, \$29.00

ISO 10893-9/DAMd1, Non-destructive testing of steel tubes - Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded steel tubes - Amendment 1: Change acceptance criteria - 9/20/2019, \$29.00

ISO 10893-10/DAMd1, Non-destructive testing of steel tubes - Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 1: Change the ultrasonic test frequency of transducers; change of acceptance criteria - 9/20/2019, \$29.00

ISO 10893-11/DAMd1, Non-destructive testing of steel tubes - Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 1: Change the ultrasonic test frequency of transducers; change of acceptance criteria - 9/20/2019, \$29.00

ISO 10893-12/DAMd1, Non-destructive testing of steel tubes - Part 12: Automated full peripheral ultrasonic thickness testing of seamless and welded (except submerged arc-welded) steel tubes - Amendment 1: Change of acceptance criteria - 9/20/2019, \$29.00

ISO/DIS 6934-4, Steel for the prestressing of concrete - Part 4: Strand - 7/21/2019, \$40.00

STEEL WIRE ROPES (TC 105)

ISO/DIS 8794, Steel wire ropes - Spliced eye terminations for slings - 9/12/2019, \$71.00

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

ISO/DIS 128-2, Technical product documentation - General principles of representation - Part 2: Basic conventions for lines - 9/12/2019, \$134.00

ISO/DIS 128-3, Technical product documentation - General principles of representation - Part 3: Views, sections and cuts - 9/12/2019, \$119.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 21876, Machinery for forestry - Saw chain shot protective windows - Test method and performance criteria - 9/15/2019, \$53.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 22217, Traditional Chinese medicine - Storage requirements for raw materials and decoction pieces - 9/19/2019, \$134.00

ISO/DIS 23193, Traditional Chinese medicine - Lycium barbarum and Lycium chinense fruit - 9/15/2019, \$67.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 21202, Intelligent transport systems - Partially automated lane change systems (PALS) - Functional/operational requirements and test procedures - 7/19/2019, \$58.00

ISO/DIS 22078, Intelligent transport systems - Bicyclist detection and collision mitigation systems (BDCMS) - Performance requirements and test procedures - 7/19/2019, \$88.00

ISO/DIS 13185-4, Intelligent transport systems (ITS) - Vehicle interface for provisioning and support of ITS Services - Part 4: Unified vehicle interface protocol (UVIP) conformance test specification - 7/20/2019, \$119.00

ISO/DIS 14819-1, Traffic and Traveller Information (TTI) - TTI messages via traffic message coding - Part 1: Coding protocol for Radio Data System - Traffic Message Channel (RDS-TMC) using ALERT-C - 11/8/2028, \$125.00

ISO/DIS 14819-2, Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 2: Event and information codes for Radio Data System - Traffic Message Channel (RDS-TMC) using ALERT-C - 9/16/2019, \$175.00

ISO/DIS 14819-3, Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 3: Location referencing for Radio Data System - Traffic Message Channel (RDS-TMC) using ALERT-C - 9/16/2019, \$146.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 20911, Radio frequency identification (RFID) tyre tags - Tyre attachment classification - 7/29/2019, \$46.00

ISO/DIS 20912, Conformance test methods for RFID enabled tyres - 7/29/2019, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 21481, Information technology - Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol -2 (NFCIP-2) - 9/19/2019, \$53.00

ISO/IEC DIS 27009, Information technology - Security techniques - Sector-specific application of ISO/IEC 27001 - Requirements - 7/22/2019, \$71.00

ISO/IEC DIS 29184, Information technology - Online privacy notices and consent - 7/28/2019, \$82.00

ISO/IEC DIS 7816-6, Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange - 9/20/2019, \$112.00

ISO/IEC DIS 19566-4, Information technologies - JPEG systems - Part 4: Privacy, security and IPR features - 7/25/2019, \$88.00

ISO/IEC DIS 20085-2, Information technology - IT Security techniques - Test tool requirements and test tool calibration methods for use in testing noninvasive attack mitigation techniques in cryptographic modules - Part 2: Test calibration methods and apparatus - 7/19/2019, \$67.00

IEC Standards

2/1960/CDV, IEC 60034-5 ED5: Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification, 2019/9/27

7/686/CD, IEC 62641 ED1: Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors, 2019/9/27

7/685/CD, IEC 63248 ED1: Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors, 2019/9/27

9/2531/FDIS, IEC 62290-3 ED1: Railway applications - Urban guided transport management and command/control systems - Part 3: System requirements specification, 2019/8/16

13/1790/Q, Withdrawal of IEC 62059-31-1:2008 ED1 - Electricity metering equipment - Dependability - Part 31-1: Accelerated reliability testing - Elevated temperature and humidity, 2019/8/16

20/1876/FDIS, IEC 62125 ED1: Environmental considerations specific to insulated electrical power and control cables, 2019/8/16

21/1014/FDIS, IEC 60095-7 ED1: Lead-acid starter batteries - Part 7: General requirements and methods of test for motorcycle batteries, 2019/8/16

21/1013/FDIS, IEC 60095-6 ED1: Lead-Acid Starter Batteries - Part 6: Batteries for micro-cycle applications, 2019/8/16

22H/249/NP, PNW 22H-249: Power Converter Sub-System (PCSS) for use in Electrical Energy Storage Systems (EESS) - Method of specifying the performance and test requirements, 2019/9/27

23A/887/FDIS, IEC 61950 ED3: Cable management systems - Specifications for extra-heavy-duty electrical steel conduit fittings and accessories, 2019/8/16

- 34A/2143/CD, IEC 63220/FRAG3 ED1: LED Light sources - Safety requirements, 2019/9/27
- 45A/1276/CDV, IEC/IEEE 60980-344 ED1: Nuclear facilities - Equipment important to safety - Seismic qualification, 2019/9/27
- 45A/1282/CD, IEC 63186 ED1: Nuclear power plants - Instrumentation and control systems important to safety - Criteria for seismic trip system, 2019/9/27
- 46A/1387/CDV, IEC 61196-6-4 ED2: Coaxial communication cables - Part 6-4: Detail specification for 75-7 type CATV drop cables, 2019/9/27
- 46A/1385/CDV, IEC 61196-6-2 ED2: Coaxial communication cables - Part 6-2: Detail specification for 75-4 type CATV drop cables, 2019/9/27
- 46A/1386/CDV, IEC 61196-6-3 ED2: Coaxial communication cables - Part 6-3: Detail specification for type 75-5 CATV drop cables, 2019/9/27
- 47/2575/CDV, IEC 60749-15 ED3: Semiconductor devices - Mechanical and climatic test methods - Part 15: Resistance to soldering temperature for through-hole mounted devices, 2019/9/27
- 47F/339/NP, PNW 47F-339: Semiconductor devices - Micro-electromechanical devices - Part 38: Test method for adhesion strength of metal powder paste in MEMS interconnection, 2019/9/27
- 49/1305/CDV, IEC 63155 ED1: Guidelines for the measurement method of power durability for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF) applications., 2019/9/27
- 55/1791/FDIS, IEC 60851-5/AMD2 ED4: Amendment 2: Winding wires - Test methods - Part 5: Electrical properties, 2019/8/16
- 57/2095/CDV, IEC 62488-3 ED1: Power line communication systems for power utility applications - Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals, 2019/9/27
- 61/5881/CD, IEC 60335-2-115 ED1: Household and Similar Electrical Appliances - Safety - Part 2-115: Particular requirements for beauty care appliances, 2019/8/30
- 61/5867A/DC, Revised Proposal of TC 61/WG 40 for an amendment to IEC 60335-2-5: Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, 2019/8/16
- 61/5882/DISH, IEC 60335-2-5/ISH1 ED6: Interpretation Sheet 1 - Amendment 1 - Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, 2019/8/16
- 62A/1343/NP, PNW TS 62A-1343: Health software - Part 2: Health and wellness apps - Quality criteria across the life cycle - Code of practice, 2019/9/27
- 62B/1142/CD, IEC 62563-1/AMD2 ED1: Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods, 2019/9/27
- 62D/1698/DTR, IEC TR 62653 ED2: Guideline for safe operation of medical equipment used for haemodialysis treatments, 2019/8/30
- 65C/974/NP, PNW 65C-974: Industrial communication networks - Fieldbus specifications and Profiles - Type 28 elements and CPF 22 (AUTBUS), 2019/9/27
- 65C/973/DPAS, IEC PAS 63256 ED1: Industrial communication networks - Broadband Fieldbus Specification - AUTBUS, 2019/8/30
- 65E/659/NP, PNW 65E-659: Industrial automation equipment and systems - Predictive maintenance, 2019/9/27
- 76/631/CD, IEC 60825-12/AMD1 ED2: Safety of laser products - Part 12: Safety of free space optical communication systems used for transmission of information, 2019/8/30
- 86B/4212/CDV, IEC 61300-3-55 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-55:Examinations and measurements - Polarisation extinction ratio and keying accuracy of polarisation maintaining, passive, optical components, 2019/9/27
- 94/459/CD, IEC 61810-4 ED1: Electromechanical elementary relays - Part 4: Reed relays - General and safety requirements, 2019/9/27
- 110/1116/NP, PNW 110-1116: Laser displays - Part 5-7: Measuring methods of visual quality for scanning laser displays, 2019/9/27
- 111/537/DTR, IEC TR 63212 ED1: Study on the feasibility of harmonizing environmental performance criteria for electrical and electronic products, 2019/8/30
- 111/536/FDIS, IEC 62430 ED2: Environmentally conscious design (ECD) - Principles, requirements and guidance, 2019/8/16
- 112/448/CDV, IEC 61857-33 ED1: Electrical insulation systems - Procedures for thermal evaluation - Part 33: Multifactor evaluation with increased factors at elevated temperature, 2019/9/27
- 113/487/CD, IEC TR 63258 ED1: Nanotechnology: A guideline for ellipsometry application to evaluate the thickness of nanoscale films, 2019/9/27
- 113/489/CD, IEC TS 62607-6-25 ED1: Nanomanufacturing - Keycontrol characteristics - Part 6-25: Two-dimensional materials - Doping concentration: Kelvin Probe Force Microscopy, 2019/9/27
- 113/490/DTS, IEC TS 62607-3-3 ED1: Nanomanufacturing - Key control characteristics - Part 3-3: Luminescent nanomaterials - Determination of fluorescence lifetime using Time Correlated Single Photon Counting (TCSPC), 2019/9/27
- 119/277/CD, IEC 62899-402-3 ED1: Printed Electronics - Part 402-3: Printability - Measurement of qualities - Voids in printed pattern using two-dimensional optical image, 2019/9/27
- CIS/B/726/DC, CISPR 11 - Requirements for radiated emissions above 1 GHz, 2019/9/27
- CIS/B/725/DC, CISPR 11 - Relevance of further ports for conducted disturbances, 2019/9/27
- CIS/B/724/DC, Future status of CISPR 28: Industrial, scientific and medical equipment (ISM) - Guidelines for emission levels within the bands designated by the ITU, 2019/9/27
- SyCAAL/146/NP, PNW TS SYCAAL-146: (SRD) Design Considerations for AAL users in Connected Home Environment, 2019/9/27
- SyCSmartCities/100/NP, PNW TS SYCSMARTCITIES-100: Systems Reference Deliverable - Use Case Collection and analysis: City Information Modeling for Smart Cities, 2019/9/27
- JTC1-SC25/2894/NP, PNW TS JTC1-SC25-2894: Information technology - Generic cabling for customer premises - Part 9903: Matrix modelling of channels and links, 2019/9/27



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

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 26872:2019](#), Space systems - Disposal of satellites operating at geosynchronous altitude, \$185.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7203-1:2019](#), Fire extinguishing media - Foam concentrates - Part 1: Specification for low-expansion foam concentrates for top application to water-immiscible liquids, \$185.00

[ISO 7203-2:2019](#), Fire extinguishing media - Foam concentrates - Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids, \$185.00

[ISO 7203-3:2019](#), Fire extinguishing media - Foam concentrates - Part 3: Specification for low-expansion foam concentrates for top application to water-miscible liquids, \$185.00

[ISO 14520-5:2019](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 5: FK-5-1-12 extinguishant, \$68.00

[ISO 14520-8:2019](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 8: HFC 125 extinguishant, \$68.00

[ISO 14520-9:2019](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 9: HFC 227ea extinguishant, \$68.00

[ISO 14520-10:2019](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 10: HFC 23 extinguishant, \$68.00

ERGONOMICS (TC 159)

[ISO 10551:2019](#), Ergonomics of the physical environment - Subjective judgement scales for assessing physical environments, \$162.00

[ISO 9241-210:2019](#), Ergonomics of human-system interaction - Part 210: Human-centred design for interactive systems, \$162.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 21812-1:2019](#), Graphic technology - Print product metadata for PDF files - Part 1: Architecture and core requirements for metadata, \$162.00

JEWELLERY (TC 174)

[ISO 11495:2019](#), Jewellery and precious metals - Determination of palladium in palladium alloys - ICP-OES method using an internal standard element, \$45.00

PLASTICS (TC 61)

[ISO 22631:2019](#), Adhesives - Test methods for adhesives for floor and wall coverings - Peel test, \$68.00

[ISO 22632:2019](#), Adhesives - Test methods for adhesives for floor and wall coverings - Shear test, \$68.00

[ISO 22635:2019](#), Adhesives - Test methods for adhesives for plastic or rubber floor coverings or wall coverings - Determination of dimensional changes after accelerated ageing, \$68.00

[ISO 22637:2019](#), Adhesives - Test of adhesive for floor covering - Determination of the electrical resistance of adhesive films and composites, \$45.00

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

[ISO 16135/Amd1:2019](#), Industrial valves - Ball valves of thermoplastics materials - Amendment 1, \$19.00

[ISO 16136/Amd1:2019](#), Industrial valves - Butterfly valves of thermoplastics materials - Amendment 1, \$19.00

[ISO 16137/Amd1:2019](#), Industrial valves - Check valves of thermoplastics materials - Amendment 1, \$19.00

[ISO 16138/Amd1:2019](#), Industrial valves - Diaphragm valves of thermoplastics materials - Amendment 1, \$19.00

[ISO 16139/Amd1:2019](#), Industrial valves - Gate valves of thermoplastics materials - Amendment 1, \$19.00

[ISO 21787/Amd1:2019](#), Industrial valves - Globe valves of thermoplastics materials - Amendment 1, \$19.00

ROAD VEHICLES (TC 22)

[ISO 22241-5:2019](#), Diesel engines - NOx reduction agent AUS 32 - Part 5: Refilling interface for passenger cars, \$103.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 14309:2019](#), Rubber, vulcanized or thermoplastic - Determination of volume and/or surface resistivity, \$103.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 9089:2019](#), Marine structures - Mobile offshore units - Mooring positioning windlasses and winches, \$68.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

[ISO 18747-2:2019](#), Determination of particle density by sedimentation methods - Part 2: Multi-velocity approach, \$138.00

SIZING SYSTEM, DESIGNATIONS AND MARKING FOR BOOTS AND SHOES (TC 137)

[ISO 9407:2019](#), Footwear sizing - Mondopoint system of sizing and marking, \$45.00

THERMAL INSULATION (TC 163)

[ISO 16536:2019](#), Thermal insulating products for building applications
- Determination of long-term water absorption by diffusion, \$45.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 23008-3/Amd1:2019](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 1: Audio metadata enhancements, \$185.00

[ISO/IEC 23000-21:2019](#), Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format, \$185.00

IEC Standards**ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)**

[IEC 60068-2-67 Amd.1 Ed. 1.0 b:2019](#), Amendment 1 - Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components, \$12.00

[IEC 60068-2-67 Ed. 1.1 b:2019](#), Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components, \$76.00

FIBRE OPTICS (TC 86)

[IEC 61300-3-54 Ed. 1.0 b:2019](#), Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-54: Examinations and measurements - Angular misalignment between ferrule bore axis and ferrule axis for cylindrical ferrules, \$82.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 61097-16 Ed. 1.0 b:2019](#), Global maritime distress and safety system (GMDSS) - Part 16: Ship earth stations operating in mobile-satellite systems recognized for use in the GMDSS - Operational and performance requirements, methods of testing and required test results, \$235.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

[IEC 62841-3-4 Amd.1 Ed. 1.0 b:2019](#), Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, \$12.00

[IEC 62841-3-4 Ed. 1.1 b:2019](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, \$235.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

[IEC 60947-2 Amd.1 Ed. 5.0 b:2019](#), Amendment 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, \$387.00

[IEC 60947-2 Ed. 5.1 b:2019](#), Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, \$1055.00

TOOLS FOR LIVE WORKING (TC 78)

[IEC 61482-1-1 Ed. 2.0 b:2019](#), Live working - Protective clothing against the thermal hazards of an electric arc - Part 1-1: Test methods - Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc, \$352.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

[IEC 61400-24 Ed. 2.0 en:2019](#), Wind energy generation systems - Part 24: Lightning protection, \$375.00

IEC Technical Reports**POWER ELECTRONICS (TC 22)**

[IEC/TR 62757 Ed. 1.1 en:2019](#), Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls, \$469.00

[IEC/TR 62757 Amd.1 Ed. 1.0 en:2019](#), Amendment 1 - Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls, \$23.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TR 63228 Ed. 1.0 en:2019](#), Measurement protocols for photovoltaic devices based on organic, dye-sensitized or perovskite materials, \$235.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC B109 – Gas Displacement Meters

ANSI's Executive Standards Council has approved the reaccreditation of Accredited Standards Committee B109, Gas Displacement Meters, under its recently revised operating procedures for documenting consensus on ASC B109-sponsored American National Standards, effective July 10, 2019. For additional information, please contact the Secretariat of ASC B109: Mr. Jeffrey Meyers, P.E., Director, Operations and Engineering Services, American Gas Association, 400 N. Capitol Street, NW, Washington, DC 20001; phone: 202.824.7333; e-mail: JMeyers@aga.org.

Reaccreditation

North American Electric Reliability Corporation (NERC)

Comment Deadline: August 12, 2019

As part of the mandatory 5-year review for Accredited Standards Developers (ASDs) that do not currently sponsor any current American National Standards, the North American Electric Reliability Corporation (NERC), an ANSI member and ASD, has submitted its current operating procedures for review and reaccreditation.

To obtain a copy of NERC's operating procedures or to offer comments, please contact: Ms. Lauren A. Perotti, Senior Counsel, North American Electric Reliability Corporation, 1325 G Street NW, Suite 600, Washington, DC 20005; phone: 202.644.8063; e-mail: lauren.perotti@nerc.net. 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 NERC by August 12, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompson@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 249 – Traditional Chinese Medicine

ANSI has been informed that NSF International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 249, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 249 operates under the following scope:

Standardization in the field of medical systems derived from ancient Chinese medicine which shall be able to share one common set of standards. Both traditional and modern aspects of these systems are covered. The committee focuses on quality and safety of raw materials, manufactured products and medical devices and of informatics, including service standards limited to involving the safe use and delivery of devices & medicine, but not into the clinical practice or application of those 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).

Establishment of ISO Subcommittee

ISO/TC 215/SC 1 – Genomics Informatics

ISO/TC 215 – Health informatics has created a new ISO Subcommittee on Genomics Informatics (ISO/TC 215/SC 1). The Secretariat has been assigned to Republic of Korea (KATS).

ISO/TC 215/SC 1 operates under the following scope:

Development of standards in the field of Genomics Informatics within the scope ISO/TC 215:

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

Organizations 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

Natural and Engineered Stones

Comment Deadline: August 30, 2019

UNI, the ISO member body for Italy, has submitted to ISO a proposal for a new field of ISO technical activity standard on natural and engineered stones, with the following scope statement:

Definitions, requirements and test methods for natural stones relating to rough blocks, slabs, semi-finished and finished products intended for use in building and for monuments and for engineered stones with resin or cement binders or a combination of the two, intended for use in countertops and vanities, floor and wall coverings, ancillary uses, for interior and exterior.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 30, 2019.

U.S. Technical Advisory Groups

Transfer of U.S. TAG Administrator

U.S. TAG to ISO TC 292, Security and Resilience

As no comments were received in response to the May 31, 2019 announcement of the transfer of TAG Administrator responsibilities for the U.S. Technical Advisory Group (TAG) to ISO TC 292, Security and resilience from ASIS International to NASPO International, this action is formally approved, effective July 1, 2019. The TAG will continue to operate under its currently accredited Model Operating Procedures for U.S. TAGs to ANSI for ISO Activities, as contained in Annex A of the ANSI International Procedures. Please direct any related inquiries to: Mr. Michael O'Neil, President, NASPO International, 1300 I Street NW, Suite 400, Washington, DC 20005; phone: 612.281.7141 e-mail: mikeo@naspo.info.

Meeting Notices

Meeting for Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: Monday, September 23, 2019- 8:00 AM – 4:00 PM CST

Meeting Location: Peppermill Reno, 2707 S. Virginia St., Reno, Nevada 89502--(Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards.

Please register on line at www.aga.org. For more information, contact Jeff Meyers, jmeyers@aga.org.



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Limited Substantive Revisions to DASMA 105-2017
Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors

- Clause 3.3: . . . To avoid this, the relative humidity in the warm room must be maintained at or below 15%. A relative humidity of less than 25% is permissible if interior surface temperatures of the specimen can be shown to be above the dew point.
- Clause 6.4.1: A refrigeration unit and controls are required to automatically maintain a temperature of -0.4° F ± 0.5 °F.
- Clause 6.5.1 A heating device and controls are required to automatically maintain a temperature of 69.8°F ~~70~~ ± 0.5° F.
- Clause 6.5.2: . . . Relative humidity of the warm room shall not exceed 15% at any time during the test. A hygrometer for indicating the relative humidity is required. The instrument shall indicate relative humidity to within 1%. A relative humidity of less than 25% is permissible if interior surface temperatures of the specimen can be shown to be above the dew point.
- Clause 6.6.2: The cold room air temperature shall be determined by a thermocouple surrounded by a radiation shield and be located at the intersection of the vertical and horizontal centerlines and ~~6~~² 3 inches perpendicular to the interior plane of the test specimen.
- Clause 6.6.3: . . . The three thermocouples shall be a distance of ~~6~~² 3 inches perpendicular to the interior plane of the test specimen.
- Clause 9.1: Cold room temperature: -0.4° F ± 0.5 ° F; Warm room temperature: 69.8 70° F ± 0.5 ° F; . . . Interior Relative Humidity: less than 15%, but 25% RH allowable if surface temperatures are shown to be above the dew point.
- Clause 9.6: Adjust temperature controls for the warm room and the cold room to the standard test temperatures of 69.8 70°F and -0.4 °F respectively

**Limited Substantive Revisions to FCI 99-2-2004 (R2015)
Pressure Reducing Regulator Capacity**

- Section 4.1, “NFPA B93.13” was deleted from the following text: “Test set up can be per ISA 75.02.01,~~NFPA B93.13~~, and ANSI B109.4.”
- Section 5.2, reference was updated to state “~~Instrument International Society of America Automation, Control Valve Capacity Test Procedure, ANSI/ISA S75.02-1998~~ ANSI/ISA 75.02-01 (IEC 60534-2-3 Mod), Control Valve Capacity Test Procedures.
- Section 5.3, reference was updated to state “~~Instrument International Society of America Automation, Flow Equations for Sizing Control Valves, ISA S75.01-1985 (R1995)~~ ANSI/ISA 75.01.01 (60534 Mod), Industrial-Process Control Valves – Part 2-1: Flow Capacity – Sizing Equations for Fluid Flow under Installed Conditions.
- Section 5.5 deleted: “~~National Fluid Power Association, Pneumatic Fluid Power — Pressure Regulator — Industrial Type (revision and redesignation of ANSI B93.13-1981), ANSI (NFPA) T3.12.3R2-1992.~~”
- The following FCI standards listed on page 5 under the heading “FCI REGULATOR CONTROL VALVE ADDITIONAL STANDARDS” were deleted:
 - i. ~~ANSI/FCI 70-2, Control Valve Seat Leakage~~
 - ii. ~~ANSI/FCI 87-2, Power Signal Standard for Spring Diaphragm Actuated Control Valves~~
 - iii. ~~ANSI/FCI 99-1, Standard for Qualifications of Control Valve Stem Seals~~
- A new section was added on page 5 titled “ADDITIONAL FCI REGULATOR STANDARDS” including the addition of the following references:
 - i. FCI 70-1, Standard Terminology and Definition for Filled Thermal Systems for Remote Sensing Temperature Regulators
 - ii. ANSI/FCI 70-3, Regulator Seat Leakage
 - iii. ANSI/FCI 79-1, Standard for Proof of Pressure Ratings for Pressure Regulators
 - iv. FCI 86-2, Regulator Terminology
 - v. ANSI/FCI 99-3, Standards for Backpressure Regulator Capacity
 - vi. ANSI/FCI 4-1, Pressure Regulator Hydrostatic Shell Test Method
 - vii. FCI 15-1, Standard for Production Testing for Regulators

Limited Substantive Revisions to FCI 70-3-2016 Regulator Seat Leakage

5.2.1.2 Reducing Regulator Class VII

- For regulators with normal operating differentials less than 17 bar (250 psig), the pressure of the test medium shall be the maximum operating differential pressure or 3.5 bar (50 psig), whichever is greater. For regulators with normal operating differentials greater than 17 bar (250 psi), the pressure of the test medium shall be 17 bar (250 psig) unless otherwise agreed to with the customer.



**BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 145.2-2016**

Public Review Draft

Proposed Addendum a to Standard 145.2-2016, Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices

**First Public Review (July 2019)
(Draft shows Proposed Changes to Current Standard)**

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BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 145.2-2016, *Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices*
First Public Review Draft

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

FOREWORD

ASHRAE 52.2 recently removed the Figure cited in 145.2 and replaced it with these calculations. This change proposal updates 145.2 to keep the method viable.

[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 a to Standard 145.2-2016

Make changes to Section 9 as follows.

9. MEASUREMENT OF RESISTANCE VS. AIRFLOW

9.1 Install the test air cleaner; this may be performed as part of the equilibration period.

For the purposes of this standard, airflow rate shall be defined by the following equations from ASME Standard MFC-3M-1989:

$$Q = 1.1107 \times 10^{-6} C \times D^2 \{ \Delta p / [p \times (1 - \beta^4)] \}^{0.5} \quad (\text{SI})$$

$$Q = 5.9863 \times 10^{-6} C \times D^2 \{ \Delta p / [p \times (1 - \beta^4)] \}^{0.5} \quad (\text{I-P})$$

where

Q = test airflow rate, m³/s (cfm)

C = coefficient of discharge = 0.9975–6.53 Re^{-0.5}

D = nozzle throat diameter, mm (in.)

W = duct width, mm (in.)

β = D/W

Δp = nozzle pressure drop, Pa (in. of water)

ρ = humid air density at nozzle inlet, kg/m³ (lb/ft³) (Refer to Section 9.2 for calculation method in accordance with Reference 1.) (~~Standard 52.2, Figure 9-2~~)

μ = humid air dynamic viscosity, Ns/m² (lb_m/ft·s); at 25°C and 50% rh, μ has the value of 1.817 × 10⁻⁵ Ns/m² (1.22 × 10⁻⁵ lb_m/ft·s).

Re = Reynolds number = $K\rho Q/\mu D$; at 25°C, 50% rh, and the units above, the conversion constant in the expression for Re, K , has the value of 5.504 × 10⁷ (SI) or 16,393 (I-P).

9.2 The humid air density at the nozzle inlet is governed by the properties of the air at the inlet to the test duct and the air resistance devices upstream of the nozzle inlet.

9.2.1 Density of Duct Inlet Air: The humid density of the air entering the test duct is dependent on the wet bulb

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 145.2-2016, *Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices*
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temperature, the dry bulb temperature, and the barometric pressure at the air inlet.

The saturated vapor pressure, P_e , at the inlet wet-bulb temperature is:

$$P_e = 3.253t_{wo}^2 - 1.86 t_{wo} + 692 \quad \text{Pa (SI)}$$

$$P_e = 2.96E-4(t_{wo})^2 - 1.59E-2(t_{wo}) + 0.41 \quad \text{(I-P)}$$

Where

P_e = Saturated vapor pressure at t_{wo} , Pa (in. Hg)

t_{wo} = Wet-bulb temperature of duct inlet air, °C (°F)

The partial vapor pressure, P_p , is:

$$P_p = P_e - P_b((t_{do} - t_{wo})/1500) \quad \text{(SI)}$$

$$P_p = P_e - P_b((t_{do} - t_{wo})/2700) \quad \text{(I-P)}$$

Where

P_b = Corrected Barometric Pressure at duct inlet, Pa (in. HG)

t_{do} = dry bulb temperature of duct inlet air, °C (°F)

t_{wo} = wet bulb temperature of duct inlet air, °C (°F)

The density of the duct inlet air, ρ_o , is:

$$\rho_o = (P_b - 0.378P_p)/[R(t_{do} + 273.2)] \quad \text{(SI)}$$

$$\rho_o = [70.73(P_b - 0.378P_{po})]/[R(t_{do} + 459.7)] \quad \text{(I-P)}$$

Where

P_b = Corrected Barometric Pressure at duct inlet, Pa (in. HG)

$R = 287.1 \text{ J/kg}\cdot\text{K}$ (SI)

$R = 53.35 \text{ ft}\cdot\text{lb}/\text{lbm}\cdot\text{R}$ (I-P)

9.2.2 Density of Duct Air at Orifice Inlet: The density of air in the duct immediately upstream of the orifice (ρ_{orf}) is calculated by correcting the density of the inlet air (ρ_o) for the pressure and temperature of the air at the orifice.

$$\rho_{orf} = \rho_o [(t_{do} + 273.2)/(t_{dorff} + 273.2)] [(P_{sorf} + P_b)/P_b] \quad \text{(SI)}$$

$$\rho_{orf} = \rho_o [(t_{do} + 459.7)/(t_{dorff} + 459.7)] [(P_{sorf} + 13.63P_b)/(13.63P_b)] \quad \text{(I-P)}$$

where t_{dorff} = air dry bulb temperature immediately upstream of the orifice inlet, °C (°F).

P_{sorf} = static pressure immediately upstream of the orifice inlet, Pa (in. wg)

The ρ_{orf} calculated in the above equations shall be used as ρ in the equations presented in Section 9.1.



**BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 34-2019**

Public Review Draft

Proposed Addendum a to Standard 34-2019, Designation and Safety Classification of Refrigerants

**First Public Review (July 2019)
(Draft shows Proposed Changes to Current Standard)**

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BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum provides clarification for determining the RCL values of refrigerant blends by revising paragraph 7.2 Blends.

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Addendum a to 34-2019

Revise Section 7.2 as follows:

7.2 Blends. The RCL for refrigerants comprising multiple compounds shall be determined by the method in Section 7.1; ~~except that,~~ Where available the blend information shall be used for individual parameter values in Section 7.1.1(a) through 7.1.1(d) and when toxicity data for the blend are not available, shall be calculated as the mole-weighted average, by composition of the nominal formulation, of the values for the components. The calculation used to determine the ATEL and RCL of a refrigerant blend is summarized in Informative Appendix G. The calculation can also be conducted using a computer program or spreadsheet.



**BSR/ASHRAE Addendum b to
ANSI/ASHRAE Standard 34-2019**

Public Review Draft

Proposed Addendum b to Standard 34-2019, Designation and Safety Classification of Refrigerants

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(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

This addendum provides clarification for producing short-term toxicity data of blends in refrigerant applications.

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Addendum b to 34-2019

Revise Section 9.6.1 as follows:

9.6.1 Acute Toxicity. Applications shall include the following short-term toxicity data, with identified sources, for single-compound refrigerants or for each component of blends, and if available, the blend:

- a. ACGIH TLV-C if assigned
- b. ACGIH TLV-STEL if assigned
- c. NIOSH IDLH if assigned
- d. LC₅₀ for four hours for rats
- e. LD₅₀ if available
- f. Cardiac sensitization response level
- g. Anesthetic and central nervous system effects
- h. Other escape impairing effects and permanent injury



**BSR/ASHRAE Addendum c to
ANSI/ASHRAE Standard 34-2019**

Public Review Draft

Proposed Addendum c to Standard 34-2019, Designation and Safety Classification of Refrigerants

**First Public Review (July 2019)
(Draft shows Proposed Changes to Current Standard)**

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BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum corrects errors in several RCL values found in Tables 4-1 and 4-2.

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Addendum c to 34-2019

Revise Table 4-1 as follows:

Refrigerant Number = R-11

$$\text{RCL} = \del{6.2} \underline{6.1} \text{ g/m}^3$$

Refrigerant Number = R-142b

$$\text{RCL} = \del{83} \underline{82} \text{ g/m}^3$$

Refrigerant Number = R-143a

$$\text{RCL} = \del{4.5} \underline{4.4} \text{ lb/Mcf}$$

Refrigerant Number = R-170

$$\text{RCL} = \del{8.7} \underline{8.6} \text{ g/m}^3$$

Refrigerant Number = R-290

$$\text{RCL} = \del{0.56} \underline{0.59} \text{ lb/Mcf}$$

Refrigerant Number = R-C318

$$\text{RCL} = \del{660} \underline{650} \text{ g/m}^3$$

Refrigerant Number = R-170

$$\text{RCL} = \del{8.7} \underline{8.6} \text{ g/m}^3$$

Refrigerant Number = R-600a

$$\text{RCL} = \del{9.6} \underline{9.5} \text{ g/m}^3$$

Refrigerant Number = R-1130(E)

Safety Group = ~~B1~~ B2

$$\text{RCL} = \del{400} \underline{1000} \text{ ppm v/v}$$

Refrigerant Number = R-1224yd(Z)

$$\text{RCL} = \del{360} \underline{370} \text{ g/m}^3$$

Refrigerant Number = R-1234yf

$$\text{RCL} = \del{4.7} \underline{4.5} \text{ lb/Mcf}; \del{75} \underline{72} \text{ g/m}^3$$

Refrigerant Number = R-1234ze(E)

$$\text{RCL} = \del{75} \underline{76} \text{ g/m}^3$$

Refrigerant Number = R-1234yf

$$\text{RCL} = \del{5.4} \underline{5.2} \text{ lb/Mcf}; \del{87} \underline{84} \text{ g/m}^3$$

Revise Table 4-2 as follows:

Refrigerant Number = R-401B

RCL = ~~120~~ 110 g/m³

Refrigerant Number = R-403B

RCL = ~~70,000~~ 68,000 ppm v/v

Refrigerant Number = R-406A

RCL = ~~25~~ 75 g/m³

Refrigerant Number = R-408A

RCL = ~~95,000~~ 94,000 ppm v/v; ~~340~~ 330 g/m³

Refrigerant Number = R-410B

OEL = 1000 ppm v/v

Refrigerant Number = R-411A

OEL = ~~990~~ 970 ppm v/v

Refrigerant Number = R-411B

OEL = ~~980~~ 940 ppm v/v

Refrigerant Number = R-413A

RCL = ~~94~~ 93 g/m³

Refrigerant Number = R-414B

RCL = ~~95~~ 96 g/m³

Refrigerant Number = R-417A

RCL = ~~56~~ 55 g/m³

Refrigerant Number = R-417B

RCL = ~~70~~ 69 g/m³

Refrigerant Number = R-420A

RCL = ~~45,000~~ 44,000 ppm v/v; ~~190~~ 180 g/m³

Refrigerant Number = R-423A

RCL = ~~310~~ 300 g/m³

Refrigerant Number = R-424A

OEL = ~~970~~ 990 ppm v/v

Refrigerant Number = R-428A

OEL = ~~83,000~~ 84,000 ppm v/v

Refrigerant Number = R-431A

RCL = ~~0.69~~ 0.68 lb/Mcf

Refrigerant Number = R-432A

OEL = ~~700~~ 550 ppm v/v

RCL = ~~2.1~~ 2.2 g/m³

Refrigerant Number = R-433A

OEL = ~~880~~ 760 ppm v/v

Refrigerant Number = R-433B

RCL = ~~4,500~~ 3,500 ppm v/v; ~~0.51~~ 0.39 lb/Mcf; ~~8.1~~ 6.3 g/m³

Refrigerant Number = R-433C

RCL = ~~3,600~~ 3,700 ppm v/v; ~~6.6~~ 6.5 g/m³

Refrigerant Number = R-436C

OEL = ~~990~~ 1,000 ppm v/v

Refrigerant Number = R-437A

RCL = ~~5.0~~ 5.1 lb/Mcf

Refrigerant Number = R-439A

OEL = ~~990~~ 1,000 ppm v/v

Refrigerant Number = R-441aA

Refrigerant Number = R-443A

OEL = ~~580~~ 640 ppm v/v

Refrigerant Number = R-444B

OEL = ~~890~~ 930 ppm v/v

Refrigerant Number = R-447A

OEL = ~~900~~ 960 ppm v/v

Refrigerant Number = R-447B

RCL = ~~30,000~~ 16,000 ppm v/v; ~~23~~ 2.6 lb/Mcf; ~~360~~ 42 g/m³

Refrigerant Number = R-448A

OEL = ~~890~~ 860 ppm v/v

Refrigerant Number = R-449A

OEL = ~~830~~ 840 ppm v/v

Refrigerant Number = R-451A

OEL = ~~520~~ 530 ppm v/v

RCL = ~~5.3~~ 5.0 lb/Mcf

Refrigerant Number = R-451B

RCL = ~~5.3~~ 5.0 lb/Mcf

Refrigerant Number = R-452A

OEL = ~~780~~ 790 ppm v/v

RCL = ~~10,000~~ 100,000 ppm v/v

Refrigerant Number = R-452B

RCL = ~~23~~ 4.8 lb/Mcf; ~~360~~ 77 g/m³

Refrigerant Number = R-452C

OEL = ~~800~~ 810 ppm v/v

Refrigerant Number = R-454A

RCL = ~~28~~ 3.2 lb/Mcf; ~~450~~ 52 g/m³

Refrigerant Number = R-454B

RCL = ~~22~~ 3.1 lb/Mcf; ~~360~~ 49 g/m³

Refrigerant Number = R-454C

RCL = ~~29~~ 4.4 lb/Mcf; ~~460~~ 71 g/m³

Refrigerant Number = R-455A

RCL = ~~30,000~~ 22,000 ppm v/v; ~~23~~ 4.9 lb/Mcf; ~~380~~ 79 g/m³

Refrigerant Number = R-457A

RCL = ~~25~~ 3.4 lb/Mcf; ~~400~~ 54 g/m³

Refrigerant Number = R-459A

RCL = ~~23~~ 4.3 lb/Mcf; ~~360~~ 69 g/m³

Refrigerant Number = R-459B

RCL = ~~16,000~~ 25,000 ppm v/v; ~~30~~ 5.8 lb/Mcf; ~~470~~ 92 g/m³

Refrigerant Number = R-460A

OEL = ~~650~~ 950 ppm v/v

Refrigerant Number = R-500

RCL = ~~30,000~~ 29,000 ppm v/v; ~~7.6~~ 7.4 lb/Mcf

Refrigerant Number = R-507A

RCL = ~~520~~ 510 g/m³

Refrigerant Number = R-509A

RCL = ~~390~~ 380 g/m³

Refrigerant Number = R-515A

RCL = ~~62,000~~ 63,000 ppm v/v

Refrigerant Number = R-516A

RCL = ~~27,000~~ 13,000 ppm v/v; ~~7.0~~ 3.2 lb/Mcf; ~~440~~ 52 g/m³



**BSR/ASHRAE Addendum u to
ANSI/ASHRAE Standard 34-2016**

Public Review Draft

Proposed Addendum u to Standard 34-2016, Designation and Safety Classification of Refrigerants

**Second Public Review (July 2019)
(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 <https://www.ashrae.org/technical-resources/standards-and-guidelines/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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BSR/ASHRAE Addendum u to ANSI/ASHRAE Standard 34-2016, *Designation and Safety Classification of Refrigerants*

Second Public Review Draft

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FOREWORD

This addendum adds the zeotropic refrigerant blend R-466A in Table 4-2. This second public review is necessary to correct the RCL value provided in the first public review.

[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 u to 34-2016

Add the following underlined data to Table 4-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 466A
 Composition (Mass %) = R-32 / 125 / 131I (49.0 / 11.5 / 39.5)
 Composition tolerances = +0.5, -2.0 / +2.0, -0.5 / +2.0, -0.5
 OEL = 860
 Safety Group = A1
 RCL = 30,000 ppm v/v; 15 lb/Mcf; 99 g/m³
 Highly Toxic or Toxic Under Code Classification = Neither

 The following data will be added to Informative Table D-2 and is not open for comment in this public review.

TABLE D-2 Data for Refrigerant Blends

Refrigerant Number = 466A
 Composition (Mass %) = R-32 / 125 / 131I (49.0 / 11.5 / 39.5)
 Average Molecular Mass = 80.7 g/mol
 Bubble Point (°F) = -61.1
 Bubble Point (°C) = -51.7
 Dew Point (°F) = -59.8
 Dew Point (°C) = -51.0

Public Review Draft

Proposed Addendum ae to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review Draft (July 2019)
(Draft Shows Proposed Changes to Current Standard)

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Foreword

This addendum adds a jurisdictional option to select the minimum percentage of construction and demolition waste to be diverted from landfills and incinerators. The ability to divert construction waste varies across the country based on local recycling markets. All waste diversion for this section will be tracked by weight to simplify calculations for tracking and to provide consistency.

This addendum introduces the concept of “deconstruction” to the waste diversion provisions. While not currently a common practice in construction or demolition, it is used widely in such demolition subsets as historic preservation and for voluntary green and sustainable projects. Including “deconstruction” in the Standard makes it a legitimate option for diverting waste and removes barriers such as special permission to use this option.

The addendum clarifies that the total waste provision is for new construction only. It increases the total waste threshold to a value that can be achieved by a majority of building projects based on analyses of over 3,000 projects from a variety of sources identified by the committee. It provides an exception to the total waste provision for projects diverting a large percentage of construction waste.

Additional modifications were made to clean up language and coordinate like provisions for consistency. We are recommending that the informative note be removed from 9.3.1.1, as it is more suitable for inclusion in the next user’s manual.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the 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 189.1-2017

Revise Section 9.3.1 as follows:

9.3.1 Construction and Demolition Waste Management

9.3.1.1 Diversion. A minimum of 50% of nonhazardous construction ~~and~~, demolition, or deconstruction waste material ~~generated prior to the issuance of the final certificate of occupancy~~ shall be diverted from disposal in landfills and incinerators ~~by~~ through reuse, recycling, repurposing and/or composting. Excavated soil and land-clearing debris shall not be included in the ~~waste diversion~~ calculation. *Alternative daily cover* and waste-to-energy incineration shall not be included

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as diverted material. All diversion calculations shall be based on ~~either weight or volume, but not both~~, throughout the construction process.

~~**Informative Note:** Reuse includes donation of materials to charitable organizations; salvage of existing materials onsite; reclamation of products by manufacturers; and return of packaging materials to the manufacturer, shipper, or other source for reuse as packaging in future shipments.~~

9.3.1.2 [JO] Total Waste. For new ~~building projects on sites with less than 5% existing buildings, structures or hardscape, construction only~~, the total amount of construction waste generated prior to the issuance of the final certificate of occupancy on the project shall not exceed 20 lbs per ft² (100 kg per m²)42 yd³ or 12,000 lbs per 10,000 ft² (35 m³ or 6000 kg per 1000 m²) of new building floor area. This shall apply to all waste, whether diverted, landfilled, incinerated, or otherwise disposed of. Excavated soil, ~~and~~ land-clearing debris, and demolition debris shall not be included in the calculation. The amount of waste shall be tracked throughout the construction process in accordance with the construction waste management plan required in Section 9.3.1.3.

Exception to 9.3.1.2: Projects where the waste diversion in accordance with Section 9.3.1.1 is 75% or greater.

9.3.1.3 Construction and Demolition Waste Management Plan. Prior to ~~issuance of a demolition or building permit~~ the start of any construction, demolition, or deconstruction, a ~~pre-construction~~ and demolition waste management plan shall be ~~submitted~~ prepared and made available to the *owner* and AHJ. The plan shall

- a. identify the construction and demolition waste materials expected to be diverted,
- b. identify materials or building elements to be deconstructed,
- ~~bc. determine~~ indicate whether construction and demolition waste materials are to be source-separated or comingled,
- ed. identify service providers and designate destination facilities for construction and demolition waste materials generated at the job *site*, ~~and~~
- de. identify the average diversion rate for facilities that accept or process comingled construction and demolition materials. Separate average percentages shall be included for those materials collected by construction and demolition materials processing facilities that end up as *alternative daily cover* and incineration,
- f. specify a method for tracking, and
- g. specify a reporting mechanism for disposition of waste using items a through f.

Revise Section 10.3.1.10 as follows:

10.3.1.10 Construction and Demolition Waste Management

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10.3.1.10.1 Collection. Specific area(s) on the construction *site* shall be designated for the collection of recyclable and reusable materials. Alternatively, off-site storage and sorting of materials shall be permitted. Diversion efforts shall be tracked throughout the construction process.

10.3.1.10.2 Documentation. Where requested by the AHJ, Prior-prior to issuance of the final certificate of occupancy, a final construction waste management report documenting compliance with Section 9.3.1 shall be submitted to the ~~owner and AHJ~~.

Addendum t to 189.1-2017

Note to reviewers: Section 9.3.1.2 is also modified by addendum t, as follows. Addendum t is in the process of comment resolution and is shown for informational purposes only. The changes shown in this section are not open for public review.

Add new informative text to Section 4.1 including a new informative Table 4.2:

4. ADMINISTRATION AND ENFORCEMENT

4.1 General. *Building projects* shall comply with Sections 4 through 11. Within each of those sections, *building projects* shall comply with all mandatory provisions (x.3) and, where offered, either the

- a. Prescriptive Option (x.4) or
- b. Performance Option (x.5).

Informative Note – to become normative in IgCC:

4.2 Requirements determined by the jurisdiction. The jurisdiction shall indicate the following information in Informative Table 4.2 for inclusion in its code adopting ordinance:

1. Where “No” boxes are provided, the jurisdiction shall check the box to indicate where that section is not to be enforced as a requirement in the jurisdiction. Where the “No” box is not checked, that section is to be enforced.
2. Where a numerical value is required to specify the level of performance required, the jurisdiction shall indicate the required value. Where a numerical value is not indicated, the value in the text is to be enforced.

Informative Note: *The jurisdictional requirements listed in Table 4.2 are formatted to afford jurisdictions the flexibility to adapt the code in a manner that is best suited to meet their unique environmental and regional goals and needs. Enforcement of these jurisdictional requirements will result in higher performing buildings, but may go beyond the needs of specific jurisdictions. Jurisdictional option provisions are indicated in the body of the standard with the symbol [JO] after the section number.*

INFORMATIVE TABLE 4.2 – to become normative in IgCC **REQUIREMENTS DETERMINED BY THE JURISDICTION**

<u>SECTION</u>	<u>SECTION TITLE OR DESCRIPTION AND DIRECTIVES</u>	<u>Jurisdictional Requirement</u>
9.3.1.2	Total Waste	___ No

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4.3 References and Appendices.

4.13.1 Referenced Standards. The standards referenced in this standard and listed in Section 11 shall be considered part of the requirements of this standard to the prescribed extent of such reference. Where differences exist between provisions of this standard and a referenced standard, the provisions of this standard shall apply. Informative references in Informative Appendix G are cited to acknowledge sources and are not part of this standard.

4.13.2 Normative Appendices. The normative appendices to this standard are considered to be integral parts of the mandatory requirements of this standard, which for reasons of convenience are placed apart from all other normative elements.

4.13.3 Informative Appendices. The informative appendices to this standard, and informative notes located within this standard, contain additional information and are not mandatory or part of this standard.

4.13.4 Reference Standard Reproduction Annexes. The reference standard reproduction annexes contain material that is cited in this standard but that is contained in another standard. The reference standard reproduction annexes are not part of this standard but are included in its publication to facilitate its use.

Add [JO] following the section number to indicate that Section 9.3.1.2 is a jurisdictional option:

9.3.1.2 [JO] Total Waste. For new *building projects* on *sites* with less than 5% existing buildings, structures, or *hardscape*, the total amount of construction waste generated prior to the issuance of the final certificate of occupancy on the project shall not exceed 42 yd³ or 12,000 lbs per 10,000 ft² (35 m³ or 6000 kg per 1000 m²) of new building floor area. This shall apply to all waste, whether diverted, landfilled, incinerated, or otherwise disposed of. Excavated soil and land-clearing debris shall not be included in the calculation. The amount of waste shall be tracked throughout the construction process in accordance with the construction waste management plan required in Section 9.3.1.3.

Public Review Draft

Proposed Addendum q to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Second Public Review Draft (July 2019)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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Foreword

The first public review draft of this addendum identified a number of requirements from Section 8 of Standard 189.1 as being appropriate for local jurisdictions to consider excluding from their adopted ordinances. This ISC removes the Jurisdictional Option designation from several Section 8 requirements and removes these items from Table 4.2, thereby restoring them to core provisions of the standard.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the 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 q to 189.1-2017

Revise Table 4.2 as follows

**INFORMATIVE TABLE 4.2 – to become normative in IgCC
REQUIREMENTS DETERMINED BY THE JURISDICTION**

SECTION	SECTION TITLE OR DESCRIPTION AND DIRECTIVES	Jurisdictional Requirement
8.3.1.5.1	Vented Combustion	— No
8.3.1.10	Preoccupancy Ventilation Control	— No
8.3.3.4	Interior Sound Reverberation	No
8.4.1.3	Shading for Offices	No

Delete [JO] following the section number to indicate that Section 8.3.1.5.1 is not a jurisdictional option:

8.3.1.5 Venting of Combustion Products

8.3.1.5.1 ~~[JO]~~ Vented Combustion. Permanently installed appliances shall have products of combustion vented to the outdoors.

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Exception to 8.3.1.5.1

1. Ovens and ranges in *residential spaces*.
2. Heaters certified to ANSI Z83.19/CSA 2.35, mounted greater than or equal to 10 ft (3 m) above the occupied floor.
3. Heaters certified to ANSI Z83.4/CAN 3.7.
4. Heaters certified to ANSI Z21.11.2, provided that the aggregate input rating of all such appliances does not exceed 1000 Btu/h per 1500 ft³ (700 W per 100 m³) of *space* volume.

8.3.1.5.2 Ranges in residential Spaces. Gas and electric ranges in *residential spaces* shall comply with ASHRAE Standard 62.2, Section 5.1, using a range hood.

Delete [JO] following the section number to indicate that Section 8.3.1.10 is not a jurisdictional option:

8.3.1.10 ~~[JO]~~ Guest Room Preoccupancy Outdoor Air Purge Cycle. Ventilation systems serving zones that are not continuously occupied shall have controls designed to automatically provide *outdoor air* to the zones, prior to their scheduled occupancy, where the zones served by the ventilation system have been unoccupied for 24 hours or longer. This preoccupancy ventilation shall be provided continuously at the system design *minimum outdoor airflow* for a period of one hour prior to the expected occupancy, or at an *outdoor air* rate and for a time period that provides the same number of air changes as the design *minimum outdoor airflow* for one hour. If the preoccupancy ventilation period requires ventilation earlier than as required by ANSI/ASHRAE/IES Standard 90.1, Section 6.4.3, the preoccupancy ventilation start time of Section 8.3.1.7 shall take precedence.

Exception to 8.3.1.10: Hotel and motel guest rooms subject to *automatic* control of HVAC and lighting as required in Sections 7 and 8.

Public Review Draft

Proposed Addendum r to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

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Addendum r to 189.1-2017

Revise Table 4.2 as follows

**INFORMATIVE TABLE 4.2 – to become normative in IgCC
REQUIREMENTS DETERMINED BY THE JURISDICTION**

SECTION	SECTION TITLE OR DESCRIPTION AND DIRECTIVES	Jurisdictional Requirement
8.3.1.3.(b)	Ozone	No
8.3.1.4.2	Building Pressure Exfiltration	No
8.3.1.9	Guest Room Preoccupancy Outdoor Air Purge Cycle	—No
8.3.4	Soil Gas Control	—No

Add [JO] following the section number to indicate that Section 8.3.1.4.2 is a jurisdictional option:

8.3.1.4–[JO] Building Pressure. The requirements in Section 8.3.1.4 supersede the requirements in ASHRAE Standard 62.1, Section 5.9.2. *Building projects* shall be designed in accordance with the following subsections.

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8.3.1.4.1 Mechanical Exhaust. Mechanical systems shall include controls capable of disabling exhaust fans and closing exhaust dampers whenever mechanical intake airflow is discontinued.

8.3.1.4.2 [JO] Exfiltration. Mechanical air-conditioning systems with dehumidification capability shall include system controls capable of maintaining static pressure inside the building, at the top floor, equal to or greater than the static pressure outside of the building during *mechanical cooling* operation.

Exceptions to 8.3.1.4.2:

1. Where excess exhaust is required by process considerations, such as certain industrial or healthcare facilities.
2. Warehouse facilities.
3. Buildings in *Climate Zones* 0B, 1B, 2B, 3B, 3C, 4B, 4C, 5, 6, 7 and 8.

Delete [JO] following the section number to indicate that Section 8.3.1.9 is not a jurisdictional option:

8.3.1.9 [JO] Guest Room Preoccupancy Outdoor Air Purge Cycle. Guest room ventilation systems controlled according to Section 7.4.3.10.4 shall have an *automatic* preoccupancy purge cycle that shall provide *outdoor air* ventilation at the design ventilation rate for 60 minutes, or at a rate and duration equivalent to one air change. In guest rooms with a *networked guest room control system*, the purge cycle shall be completed within 60 minutes prior to the time the room is scheduled to be occupied. Where guest rooms are not connected to a *networked guest room control system*, the preoccupancy purge cycle shall occur daily.

Delete [JO] following the section number to indicate that Section 8.3.4 is not a jurisdictional option:

8.3.4 [JO] Soil-Gas Control. Soil-gas entry into *enclosed spaces* that are immediately above crawlspaces, slabs-on- grade, and basement slabs shall be controlled in accordance with Sections 8.3.4.1 or 8.3.4.2.

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

NSF/ANSI International Standard
for Food Equipment —

Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment

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5 Design and construction

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5.48 Food warming equipment

Food warming equipment intended solely for the display of foods that are not potentially hazardous shall have a permanently attached label that states: “Not for the storage or display of potentially hazardous foods.” The label shall be clearly visible to the user after installation of the equipment and the testing in Sections 6.1, 6.2, and/or 6.7 does not apply.

Rationale: The intention behind the recently added 5.48, Food warming equipment, is for equipment intended for holding non-potentially hazardous foods where the name of the product alone was not sufficient to convey this intention (e.g., food warmer instead of popcorn warmer, pretzel warmer, etc.), then a marking could be applied to instruct the user that the appliance is “Not for the storage or display of potentially hazardous foods.” The proposed revision further clarifies that food warming equipment is exempt from performance testing that would otherwise be required by 6.1, 6.2, and/or 6.7.

BSR/UL 347A, Standard for Safety for Medium Voltage Power Conversion Equipment

1. Clarification of Section 11 – The Use of 2 Fuses in a Three Phase Circuit

11.1 Other than as noted in 11.5, equipment shall include coordinated protection that automatically interrupts overcurrents occurring in the driven motor, and in the motor-circuit conductors, both internal and external to the equipment itself. Protective devices shall open all ungrounded conductors of the protected circuit. When fuses provide this protection, there shall be a fuse in each ungrounded conductor of the circuit.

NOTE – In configurations involving cascaded power cells, the conductors between the internal transformer secondaries and the associated power cells are not considered motor-circuit conductors.

~~11.13 Protective devices shall open all ungrounded conductors of the protected circuit. When fuses are provided, there shall be a fuse in each ungrounded conductor of the circuit.~~

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