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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: February 2, 2014

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

Addenda

BSR/ASHRAE Addendum 62.2c-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

This proposed addendum aims to account for the difference between range hoods and other exhaust fans in kitchens in their ability to remove particles. Bathroom requirements are unchanged but have been provided by text rather than the previous tables.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1ae-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum corrects some editorial problems found after the 1st public review of this addendum.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1ax-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

The purpose of this proposal is to update the format of the Space-by-Space Lighting Power Density Factor table, while maintaining the current level of stringency.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1ay-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum modifies the demand control ventilation (DCV) requirements to make them more compatible with recent changes to the DCV requirements in ANSI/ASHRAE/IES Standard 90.1.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bb-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum adds a new section to modify the U-factor requirements for high-speed doors that open and close quickly compared to traditional doors.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bd-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum simplifies fenestration orientation requirements and provides more flexibility.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1be-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum requires that the products of combustion from any equipment or system that is permanently installed indoors be vented to the outside.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bf-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum deletes the criterion for peak electricity use; because of changes in the modeling rules for the fuel source of the baseline building.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bh-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum requires identification of plants that tend to benefit the local ecosystem (i.e., native plants) and plants that are detrimental to the local ecosystem (i.e., invasive plants).

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bi-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum updates Appendix D, which contains the modeling rules for the Performance Option for energy efficiency, to incorporate changes made to Appendix G in ANSI/ASHRAE/IES Standard 90.1.

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

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1bj-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum creates two optional performance paths for compliance with the energy requirements within this standard. Both performance options have criteria for both whole-building total energy cost and equivalent carbon dioxide emissions (CO₂e).

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

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

NSF (NSF International)

Revision

BSR/NSF 50-201x (i94r1), Equipment for swimming pools, spas, hot tubs, and other recreational water facilities (revision of ANSI/NSF 50-2012)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

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

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

TCIA (ASC A300) (Tree Care Industry Association)

Revision

BSR A300 (Part 4)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 (Part 4)-2008)

A300 (Part 3) Lightning Protection Systems standards are performance standards for the installation of lightning protection systems for trees. System design for trees is addressed. It is a guide in the drafting of tree lightning protection system specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

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

Send comments (with copy to psa@ansi.org) to: Robert Rouse, (603) 314-5380 ext. 117, rrouse@tcia.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 83-201X, Standard for Safety for Thermoplastic-Insulated Wires and Cables (Recirculation dated 04-19-13) (revision of ANSI/UL 83-2008)

This recirculation proposal provides revisions to the UL 83 recirculation dated 04-19-13.

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

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

Comment Deadline: February 17, 2014

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/IEC 62366-1-201x, Medical devices - Application of usability engineering to medical devices (identical national adoption of IEC 62366-1 (in development) and revision of ANSI/AAMI/IEC 62366-2007 (R2013))

This document specifies a process for a manufacturer to analyze, specify, develop, and evaluate the usability of a medical device as it relates to safety. This usability engineering (human factors engineering or usability engineering) process assesses and mitigates risks associated with correct use and use errors, i.e., normal use. It can be used to identify but does not assess or mitigate risks associated with abnormal use.

Single copy price: 20.00 (AAMI members)/\$25.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications (Phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 7199-2009 (R201x), Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) (reaffirmation of ANSI/AAMI/ISO 7199-2009)

Specifies requirements for sterile, single-use, extracorporeal blood-gas exchangers (oxygenators) intended for supply of oxygen to, and removal of carbon dioxide from, the blood of humans. Also applies to heat exchangers that are integral parts of oxygenators and to external equipment unique to the use of the device.

Single copy price: 45.00 (AAMI members)/\$90.00 (nonmembers) [7199 or 7199-PDF]

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications (Phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to psa@ansi.org) to: Cliff Bernier, (703) 253-8263, CBernier@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 7199-2009/A1-2011 (R201x), Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) - Amendment 1 (reaffirmation of ANSI/AAMI/ISO 7199-2009/A1-2011)

Includes clarifications for test methodologies, labeling, and sampling schedule.

Single copy price: Free

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications (Phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to psa@ansi.org) to: Cliff Bernier, (703) 253-8263, CBernier@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 15674-2009 (R201x), Cardiovascular implants and artificial organs - Hard-shell cardiomy/venous reservoir systems (with/without filter) and soft venous reservoir bags (reaffirmation of ANSI/AAMI/ISO 15674-2009)

Specifies requirements for sterile, single-use, extracorporeal hard-shell cardiomy/venous reservoir systems and soft venous reservoir bags intended for use as a blood reservoir during cardiopulmonary bypass (CPB) surgery.

Single copy price: 40.00 (AAMI members)/\$80.00 (nonmembers) [15674 or 15674-PDF]

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications (Phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to psa@ansi.org) to: Cliff Bernier, (703) 253-8263, CBernier@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 15675-2009 (R201x), Cardiovascular implants and artificial organs - Cardiopulmonary bypass systems - Arterial blood line filters (reaffirmation of ANSI/AAMI/ISO 15675-2009)

Specifies requirements for sterile, single-use, arterial filters intended to filter and remove emboli, debris, blood clots, and other potentially hazardous solid and gaseous material from the blood of humans during cardiopulmonary bypass surgery.

Single copy price: 40.00 (AAMI members)/\$80.00 (nonmembers) [15675 or 15675-PDF]

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications (Phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to psa@ansi.org) to: Cliff Bernier, (703) 253-8263, CBernier@aami.org

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR06-39-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under appendices G-192-8 and G-192-8A regarding DIMP cross-references. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR06-43-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under appendices G-192-9 and G-192-9A regarding pressure testing for transmission integrity assessments. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR09-17-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under section 192.605 regarding safety-related conditions. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

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Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR10-12-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under section 192.1013 regarding deviation from periodic inspections. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR10-16-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under sections 192.3 and 192.5, and appendices G-192-1 and G-192-13A regarding calculating gas loss. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR11-25-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under appendices G-192-11 and G-192-11A regarding leak survey completeness vs. effectiveness. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR11-29-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under sections 192.613, 192.615, and appendix G-192-1 regarding pipelines affected by flooding. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR12-31-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under section 192.751 regarding accidental ignition. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR13-03-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under sections 192.23 and appendix G-192-1 regarding reporting exceedance of MAOP. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR13-08-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under sections 192.147, 192.149, and appendix G-102-1 regarding ASME references. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

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AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR13-12-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises guidance under section 192.627 regarding personnel qualifications on hot taps. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

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

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2012 TR13-14-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revises preface regarding the applicability of appendices. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AIAA (American Institute of Aeronautics and Astronautics)**New Standard**

BSR/AIAA G-034A-201X, Guide to Reference and Standard Ionosphere Models (new standard)

This standard provides guidelines for selecting ionospheric models for engineering design or scientific research. It describes the content of the models, uncertainties and limitations, technical basis, databases from which the models are formed, publication references, and sources of computer codes for 45 ionospheric models.

Single copy price: \$49.95

Obtain an electronic copy from: amyb@aiaa.org

Order from: Amy Barrett, 703-264-7546, AmyB@aiaa.org

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

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

BSR/ASHRAE/USGBC/IES Addendum 189.1bc-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

This addendum updates the normative and informative references to more recent versions.

Single copy price: \$45.00

Obtain an electronic copy from: <http://www.techstreet.com/ashrae/products/1820547>

Order from: <http://www.techstreet.com/ashrae/products/1820547>

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

ASIS (ASIS International)**New Standard**

BSR ASIS SCRM.1-201X, Supply Chain Risk Management: A Compilation of Best Practices (new standard)

This Standard, developed in collaboration with the Supply Chain Risk Leadership Council, provides a framework for collecting, developing, understanding, and implementing current best practices for supply chain risk management (SCRM). It is a practitioner's guide to SCRM and associated processes for the management of risks within the organization and its end-to-end supply chain. This Standard provides some guidelines and possible approaches for an organization to consider, including examples of tools other organizations have used. It can serve as a baseline for helping enterprises assess and address supply-chain risks and for documenting evolving practices.

Single copy price: \$100.00

Obtain an electronic copy from: standards@asisonline.org

Order from: Aivelis Opicka, (703) 518-1439, aivelis.opicka@asisonline.org

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

ASME (American Society of Mechanical Engineers)**Revision**

BSR/ASME BPVC Section III-201x, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2013)

The rules of this Section constitute requirements for the design, construction, stamping, and overpressure protection of items used in nuclear power plants and other nuclear facilities. This Section consists of the following three divisions: (a) Division 1. Metallic vessels, heat exchangers, storage tanks, piping systems, pumps, valves, core support structures, supports, and similar items. (b) Division 2. Concrete containment vessels. (c) Division 3. Metallic containment systems for storage or transportation of spent nuclear fuel and high level radioactive materials and waste.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Allyson Byk, (212) 591-8521, byka@asme.org

ASTM (ASTM International)**New National Adoption**

BSR/ISO 11712-201x, Anaesthetic and respiratory equipment - Supralaryngeal airways and connectors (identical national adoption of ISO 11712)

cleonard@astm.org

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)**New Standard**

BSR/ISO 80601-2-13-201x, Medical electrical equipment - Part 2-35: Particular requirements for basic safety and essential performance of blankets, pads and mattresses intended for heating in medical use, 2nd edition (new standard)

cleonard@astm.org

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

AWWA (American Water Works Association)**Revision**

BSR/AWWA C560-2014-201x, Cast-Iron Slide Gates (revision of ANSI/AWWA C560-2001)

This standard describes vertically mounted, cast-iron slide gates with full aperture closing, designed for either seating head, unseating head, or both, in ordinary water-supply and wastewater service. The gates are primarily used to shut off or throttle water or wastewater flow through a rectangular or round orifice, end of channel, or in-channel opening. The gates may be either conventional-closure or the flush-bottom-closure type and may open upward or downward.

Single copy price: \$20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

CSA (CSA Group)**New Standard**

BSR/CSA HGV 2-201x, Compressed hydrogen gas vehicle fuel containers (new standard)

This Standard contains requirements for the material, design, manufacture, marking, and testing of serially produced, refillable Type HGV2 containers intended only for the storage of compressed hydrogen gas for on-road vehicle operation. These containers are to be permanently attached to the vehicle, have a capacity of up to 1 000 liters (35.4 ft³) water capacity, and have a nominal working pressure that does not exceed 70 MPa.

Single copy price: \$175.00

Obtain an electronic copy from: david.zimmerman@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Reaffirmation**

BSR/CSA LC 7-2009 (R201x), Standard for Pipe Joint Compound (reaffirmation of ANSI/CSA LC 7-2009)

Details test and examination criteria for pipe joint sealing compounds including paste, semi-liquid type, and polymeric tape intended for sealing threaded joints on metal piping having NPT tapered threads.

Single copy price: \$175.00

Obtain an electronic copy from: david.zimmerman@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Revision**

BSR/CSA NGV 3.1-201x/CSA 12.3-201x, Fuel system components for compressed natural gas powered vehicles (revision of ANSI/CSA NGV3.1-2012)

This standard establishes requirements for newly produced compressed natural gas fuel system components, intended for use on natural gas-powered vehicles. This standard applies to devices which have a service pressure of either 16 500 kPa (2,400 psi), 20 700 kPa (3,000 psi), or 24 800 kPa (3,600 psi).

Single copy price: \$175.00

Obtain an electronic copy from: david.zimmerman@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**New Standard**

BSR/IAPMO Z1157-201x, Ball Valves (new standard)

This Standard covers ball valves in sizes NPS-1/8 to NPS-4, with minimum rated working pressures of 860 kPa (125 psi) at 23 ± 2°C (73 ± 4°F), intended for use in water supply and distribution systems. This Standard specifies requirements for materials, physical characteristics, performance, and markings.

Single copy price: \$50.00

Obtain an electronic copy from: standards@IAPMOstandards.org

Order from: Abraham Murra, (909) 472-4106, abraham.murra@IAPMOstandards.org

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

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)**Revision**

BSR C63.4-201x, Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (revision of ANSI C63.4-2009)

This standard specifies consensus standard methods, instrumentation, and facilities for measurement of radio-frequency (RF) signals and noise emitted from electrical and electronic devices in the frequency range 9 kHz to 40 GHz, as usable for example for compliance testing to U.S. (47 CFR Part 15) and Canada (ICES-003) regulatory requirements. It does not include generic nor product-specific emission limits. Where possible, the specifications in this standard are harmonized with other national and international standards used for similar purposes.

Single copy price: N/A

Obtain an electronic copy from: <http://www.techstreet.com/ieee/searches/2430487>,

Order from: Patricia Roder, (732) 275-7362, p.roder@ieee.org

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

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

Withdrawal

INCITS/ISO/IEC TR 10037:1991 [2010], Information technology - SGML and Text-entry Systems - Guidelines for SGML Syntax-Directed Editing Systems (withdrawal of INCITS/ISO/IEC TR 10037:1991 [2010])

ISO/IEC TR 10037:1991 specifies a set of functions which an SGML syntax-directed editing system may have in order to help users manipulate documents. Contains two major clauses. The first one describes the functions on an SGML syntax-directed editing system as applied to document processing. The second clause identifies those additional facilities felt to be appropriate for DTD processing. Does not specify a "standard editing system". Is primarily aimed at the creator of "text" documents. Although SGML can be used, for instance, for databases, spreadsheets, mathematics, and even music, these uses are not directly considered.

Single copy price: \$60.00

Obtain an electronic copy from: <http://www.incits.org> or <http://webstore.ansi.org>

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, comments@itic.org

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR/ANSI C78.81-201x, Double-Capped Fluorescent Lamps - Dimensional and Electrical Characteristics (revision of ANSI/ANSI C78.81-2010)

This standard sets forth the physical and electrical characteristics of the principal types of fluorescent lamps intended for application on conventional line frequency circuits, and electronic high frequency circuits. Some data sheets may specify more than one circuit application. Specifications for both the lamp itself and the interactive features of the lamp and ballast are given. Only double-based lamps of the regular linear shape are included. Single-based lamps including compact, circular, square shaped and U-shaped are found in ANSI C78.901. Lamps for conventional systems relying on auxiliary support from external ballasts are described. These lamps are those designed for 60-Hz and/or high-frequency operation.

Single copy price: \$240.00

Obtain an electronic copy from: ran_roy@nema.org

Order from: Randolph Roy, (703) 841-3277, ran_roy@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR/ANSI C78.375-201x, Guide for Electrical Measurements (revision of ANSI C78.375-1997 (R2011))

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 -- either 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). Other methods may be needed for operation of lamps at high frequencies, and these are under consideration.

Single copy price: \$50.00

Obtain an electronic copy from: ran_roy@nema.org

Order from: Randolph Roy, (703) 841-3277, ran_roy@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

BSR/ANSI C78.901-201x, Single Base Fluorescent Lamps - Dimensional and Electrical Characteristics (revision of ANSI/IEC C78.901-2005 (R2008))

This standard sets forth the physical and electrical characteristics required to assure the interchangeability and to assist in the proper application of single-based fluorescent lamps. Single-based compact fluorescent lamps, both self-supporting and those requiring auxiliary support, including circular, square and U-shaped lamps are specified. Specifications for both the lamp itself and the interactive features of the lamp with the ballast are given. Information for luminaire design is given for certain lamp types. Included are additional and revised information.

Single copy price: \$240.00

Obtain an electronic copy from: ran_roy@nema.org

Order from: Randolph Roy, (703) 841-3277, ran_roy@nema.org

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

NSF (NSF International)

New Standard

BSR/NSF 416-201x (i1r1), Sustainability Assessment for Water Treatment Chemical Product Manufacture (new standard)

This Standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable chemical processes for water treatment chemical products. Many of these water-treatment chemicals are used for public health protection. The document includes relevant criteria across the product(s) life-cycle from raw material extraction through manufacturing, use, and end-of-life management.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=22487&wg_abbrev=ws_chemicals

Order from: Mindy Costello, (734) 827-6819, mcostello@nsf.org

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

OEO SC (ASC OP) (Optics and Electro-Optics Standards Council)

New National Adoption

BSR OEO SC OP1.9211-4-201x, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)

ISO 9211 identifies surface treatments of components and substrates excluding ophthalmic optics (spectacles) by the application of optical coatings and gives a standard form for their specification. It defines the general characteristics and the test and measurement methods whenever necessary, but is not intended to define the process method. This part of ISO 9211 provides specific test methods for optical coatings.

Single copy price: \$75.00

Obtain an electronic copy from: daikens@optstd.org

Order from: Dave Aikens, 860-878-0722, daikens@optstd.org

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

OEO SC (ASC OP) (Optics and Electro-Optics Standards Council)

New National Adoption

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

This Standard specifies terms, definitions, and methods necessary to specify the properties of optical surface and wavefront errors by statistical methods. This standard applies to surfaces that are intrinsically very smooth, that have few isolated asperities with amplitudes beyond several standard deviations from the average that can be excluded from the analysis. It departs from previous surface texture specifications in that it describes surface properties primarily in Fourier frequency space rather than in coordinate space.

Single copy price: \$50.00

Obtain an electronic copy from: daikens@optstd.org

Order from: Dave Aikens, 860-878-0722, daikens@optstd.org

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

OEO SC (ASC OP) (Optics and Electro-Optics Standards Council)

New National Adoption

BSR/OEO SC OP1.0110-8:2008, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 8: Surface Texture; Roughness and Waviness (identical national adoption of ISO 10110-8:2010)

The ISO 10110 series specifies the presentation of design and functional requirements for optical elements in technical drawings used for manufacturing and inspection. This part of ISO 10110 specifies rules for specifying and tolerancing surface roughness and waviness on optical elements. This part of ISO 10110 does not specify the method by which compliance with the specifications is to be tested.

Single copy price: \$100.00

Obtain an electronic copy from: daikens@optstd.org

Order from: Dave Aikens, 860-878-0722, daikens@optstd.org

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

OEO SC (ASC OP) (Optics and Electro-Optics Standards Council)

Reaffirmation

BSR/OEO SC OP3.001-2001 (R201x), Standard for Optics and Electro-Optical Instruments - Optical Glass (reaffirmation of ANSI/OEO SC OP3.001-2001 (R2008))

This Standard establishes uniform practices for stating and interpreting specifications, tolerances, and functional requirements for optical glass that is used to fabricate lenses and other optical elements, such as prisms, windows, light pipes, etc., used in optical assemblies, systems, instruments, or other related uses.

Single copy price: \$35.00

Obtain an electronic copy from: daikens@optstd.org

Order from: Dave Aikens, 860-878-0722, daikens@optstd.org

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60745-2-4-2009 (R201x), Standard for Safety for Hand-Held Motor-Operated Electrical Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other than Disk Type (reaffirmation of ANSI/UL 60745-2-4-2009)

(1) Reaffirmation and continuance of the second edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements Sanders and Polishers Other Than Disk Type, UL 60745-2-4, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60745-2-6-2009 (R201x), Standard for Safety for Hand-Held Motor-Operated Electrical Tools - Safety - Part 2-6: Particular Requirements for Hammers (reaffirmation of ANSI/UL 60745-2-6-2009)

(1) Reaffirmation and continuance of the second edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-6: Particular Requirements for Hammers, UL 60745-2-6, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60745-2-8-2009 (R201x), Standard for Safety for Hand-Held Motor-Operated Electrical Tools - Safety - Part 2-8: Particular Requirements for Shears and Nibblers (reaffirmation of ANSI/UL 60745-2-8-2009)

(1) Reaffirmation and continuance of the second edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-8: Particular Requirements for Shears and Nibblers, UL 60745-2-8, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60745-2-9-2009 (R201x), Standard for Safety for Hand-Held Motor-Operated Electrical Tools - Safety - Part 2-9: Particular Requirements for Tappers (reaffirmation of ANSI/UL 60745-2-9-2009)

(1) Reaffirmation and continuance of the second edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-9: Particular Requirements for Tappers, UL 60745-2-9, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 827-201x, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2013)

UL proposes a new edition of UL 827 to relocate, expand, and add some sections covering automation systems to include requirements that are currently stated in the Standard for Central-Station Automation Systems, UL 1981.

Single copy price: Contact comm2000 for pricing and delivery options

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

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

Send comments (with copy to psa@ansi.org) to: Dale Ivery, (919) 549-0989, Dale.Ivery@ul.com

Projects Withdrawn from Consideration

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

ASME (American Society of Mechanical Engineers)

BSR/ASME HST-5M-201x, Performance Standard for Air Chain Hoists (revision of ANSI/ASME HST-5M-1999 (R2010))

FM (FM Approvals)

BSR/FM Class number 6050-201x, Storage Cabinets for Ignitable Liquids (new standard)

Comment Deadline: March 4, 2014

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 1981-201x, Standard for Safety for Central-Station Automation Systems (new standard)

UL proposes a new edition of UL 1981 for first-time ANSI approval. The proposed revision is to reduce UL 1981 to only those elements concerning the performance of the software and to incorporate all other needs of automation monitoring systems within UL 827.

Single copy price: Contact comm2000 for pricing and delivery options

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

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

Send comments (with copy to psa@ansi.org) to: Dale Ivery, (919) 549-0989, Dale.Ivery@ul.com

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announced the availability of its *Second Draft Report* (previously ROC) for concurrent review and comment by NFPA and ANSI in the Volume 45, Number 1 issue of Standards Action.

The disposition of all comments received will now be published in the *Second Draft Report* (formally *Report on Comments, ROC*) located on the document's information page under the "Next Edition" tab. The official document scope can also be found under the "Document Information" tab. The document's specific URL, www.nfpa.org/doc# (for example www.nfpa.org/101), can easily access the document's information page.

These documents are for the NFPA 2014 Annual Revision Cycle. The proposed NFPA documents addressed in the *First Draft Report (FDR)* (formally *Report on Proposals, ROP*) and in the follow-up *Second Draft Report (SDR)* will only be presented for action at the NFPA June 2014 Association Technical Meeting to be held June 9-12, 2014 in Las Vegas, NV when a proper Notice of Intent to Make a Motion (NITMAM) has been submitted to the NFPA by the deadline of February 7, 2014. NITMAMs submitted on Public Comments (PC) can only be submitted by the original submitter of the PC or their duly represented Designated Representative. NITMAMs can be made by anyone if the NITMAM is on a Committee Comment, Second Revision, or Second Correlating Revision or in the case of a new standard, a NITMAM to Return the Entire NFPA Standard. Additional information on NITMAMs and authorized submitters can be found in the *Regulations Governing the Development of NFPA Standards*. Instructions on how to submit NITMAMs electronically are located in the Document's Second Draft Report.

Documents that receive no motions will not be presented at the meeting and instead will be forwarded directly to the Standards Council for action on issuance. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (www.nfpa.org) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact: Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

Comment Deadline: February 17, 2014

NFPA (National Fire Protection Association)

New Standard

BSR/NFPA 4-201x, Standard for Integrated Fire Protection and Life Safety System Testing (new standard)

The standard shall provide the minimum requirements for testing of integrated fire protection and life safety systems where such testing is required by governing laws, codes, regulations, or standards. This standard shall not provide requirements for testing of individual systems.

Revision

BSR/NFPA 1-201x, Fire Code (revision of ANSI/NFPA 1-2011)

This standard specifies design, performance, testing, and certification requirements for respirators to provide protection from inhalation hazards for personnel conducting wildland fire-fighting operations; shall specify only respirator requirements for use in non-IDLH wildland environments during operations; requirements for any accessories or enhancements built into, attached to, or sold with the certified wildland fire-fighting respirator by the respirator manufacturer for later attachment.

BSR/NFPA 3-201x, Recommended Practice for Commissioning and Integrated Testing of Fire Protection and Life Safety Systems (revision of ANSI/NFPA 3-2012)

This recommended practice provides the recommended procedures, methods, and documentation for commissioning and integrated testing of active and passive fire protection and life safety systems and their interconnections with other building systems.

BSR/NFPA 30-201x, Flammable and Combustible Liquids Code (revision of ANSI/NFPA 30-2011)

This code shall apply to the storage, handling, and use of flammable and combustible liquids, including waste liquids. This code is recommended for use as the basis for legal regulations. Its provisions are intended to reduce the hazard to a degree consistent with reasonable public safety, without undue interference with public convenience and necessity, of operations that require the use of flammable and combustible liquids.

BSR/NFPA 30A-201x, Code for Motor Fuel Dispensing Facilities and Repair Garages (revision of ANSI/NFPA 30A-2011)

This code is recommended for use as the basis for legal regulations. Its provisions are intended to reduce the hazards of motor fuels to a degree consistent with reasonable public safety, without undue interference with public convenience and necessity. This code shall apply to motor fuel dispensing facilities; marine/motor fuel dispensing facilities; and motor fuel dispensing facilities located inside buildings, at fleet vehicle motor fuel facilities, and at farms and isolated construction sites.

BSR/NFPA 30B-201x, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B-2011)

This code shall apply to the manufacture, storage, and display of aerosol products. This code shall not apply to post-consumer processing of aerosol containers. This code shall not apply to containers that do not meet the definition of Aerosol Container. Metal containers that contain a product that meets the definitions in 3.3.1 and 3.3.3, but are larger than 1000 ml (33.8 fl oz) shall not be classified as aerosol products, and this code shall not apply to the manufacture, storage, and display of such containers.

BSR/NFPA 54-201x, National Fuel Gas Code (revision of ANSI/NFPA 54-2012)

This code is a safety code that shall apply to the installation of fuel gas piping systems, appliances, equipment, and related accessories as shown in 1.1.1.1(A) through 1.1.1.1(D) of this standard. Coverage of piping systems shall extend from the point of delivery to the appliance connections. For other than undiluted liquefied petroleum gas (LP-Gas) systems, the point of delivery shall be the outlet of the service meter assembly or the outlet of the service regulator or service shutoff valve where no meter is provided.

BSR/NFPA 59-201x, Utility LP-Gas Plant Code (revision of ANSI/NFPA 59-2011)

This code shall apply to the design, construction, location, installation, operation, and maintenance of refrigerated and nonrefrigerated utility gas plants. Coverage of liquefied petroleum gas systems at utility gas plants shall extend to the point where LP-Gas or a mixture of LP-Gas and air is introduced into the utility distribution system.

BSR/NFPA 70E-201x, Standard for Electrical Safety in the Workplace® (revision of ANSI/NFPA 70E-2012)

This standard addresses electrical safety-related work practices for employee workplaces for the safeguarding of employees relative to the hazards associated with electrical energy during activities such as the installation, inspection, operation, maintenance, and demolition of electric conductors, electric equipment, signaling and communications conductors and equipment, raceways and safe work practices for employees performing other work activities that can expose them to electrical hazards as well as safe work practices.

BSR/NFPA 86-201x, Standard for Ovens and Furnaces (revision of ANSI/NFPA 86-2011)

This standard shall apply to Class A, B, C, and D ovens, dryers, and furnaces; thermal oxidizers; and any other heated enclosure used for processing of materials and related equipment. The terms ovens, dryers, and furnaces are used interchangeably and shall also apply to other heated enclosures used for processing of materials.

BSR/NFPA 87-201x, Recommended Practice for Fluid Heaters (revision of ANSI/NFPA 87-2011)

This recommended practice covers Type F, Type G, and Type H fluid heaters and related equipment. Within the scope of this recommended practice, a fluid heater is considered to be any thermal fluid heater or process fluid heater with the following features: (1) Fluid is flowing under pressure. (2) Fluid is indirectly heated. (3) Release of energy from combustion of a liquid or gaseous fuel or an electrical source occurs within the unit.

BSR/NFPA 88A-201x, Standard for Parking Structures (revision of ANSI/NFPA 88A-2011)

This standard shall cover the construction and protection of, as well as the control of hazards in, open and enclosed parking structures. This standard shall not apply to one- and two-family dwellings.

BSR/NFPA 90A-201x, Standard for the Installation of Air-Conditioning and Ventilating Systems (revision of ANSI/NFPA 90A-2012)

This standard shall cover construction, installation, operation, and maintenance of systems for air conditioning and ventilating, including filters, ducts, and related equipment, to protect life and property from fire, smoke, and gases resulting from fire or from conditions having manifestations similar to fire.

BSR/NFPA 90B-201x, Standard for the Installation of Warm Air Heating and Air-Conditioning Systems (revision of ANSI/NFPA 90B-2011)

This standard shall cover construction, installation, operation, and maintenance of systems for warm air heating and air conditioning, including filters, ducts, and related equipment to protect life and property from fire, smoke, and gases resulting from fire. For other types of systems, see NFPA 90A. For installation of blower and exhaust systems, see NFPA 91. For removal of smoke and grease-laden vapors from commercial cooking equipment, see NFPA 96.

BSR/NFPA 99B-201x, Standard for Hypobaric Facilities (revision of ANSI/NFPA 99B-2010)

This standard shall apply to all hypobaric facilities in which humans will be occupants or are intended to be occupants of the hypobaric chamber. This standard shall not apply to hypobaric facilities used for animal experimentation, if the size of the hypobaric chamber does not allow for human occupancy.

BSR/NFPA 99-201x, Health Care Facilities Code (revision of ANSI/NFPA 99-2012)

NFPA 99 establishes criteria for levels of health care services or systems based on risk to the patients, staff, or visitors in health care facilities to minimize the hazards of fire, explosion, and electricity. Requirements address installation, inspection, testing, maintenance, performance, and safe practices for facilities, material, equipment, and appliances, including medical gas and vacuum systems.

BSR/NFPA 101-201x, Life Safety Code® (revision of ANSI/NFPA 101-2012)

The Life Safety Code is the most widely used source for strategies to protect people based on building construction, protection, and occupancy features that minimize the effects of fire and related hazards. Unique in the field, it is the only document that covers life safety in both new and existing structures. Provisions are included for all types of occupancies, with requirements for egress, features of fire protection, sprinkler systems, alarms, emergency lighting, smoke barriers, and special hazard protection.

BSR/NFPA 220-201x, Standard on Types of Building Construction (revision of ANSI/NFPA 220-2011)

This standard defines types of building construction based on the combustibility and the fire resistance rating of a building's structural elements. Fire walls, nonbearing exterior walls, nonbearing interior partitions, fire barrier walls, shaft enclosures, and openings in walls, partitions, floors, and roofs are not related to the types of building construction and are regulated by other standards and codes, where appropriate.

BSR/NFPA 221-201x, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls (revision of ANSI/NFPA 221-2011)

This standard specifies requirements for the design and construction of high-challenge fire walls, fire walls, and fire barrier walls, including protection of openings and penetrations.

BSR/NFPA 302-201x, Fire Protection Standard for Pleasure and Commercial Motor Craft (revision of ANSI/NFPA 302-2010)

This standard shall establish minimum requirements for the following: prevention of fire and explosion, for mitigation of carbon monoxide hazards, and for life safety in case of fire, on boats; Elimination of ignition sources; Ventilation of accommodation spaces, fuel tank compartments, and machinery spaces; Use of combustible materials; Fire-extinguishing equipment and fire exits; Control of fire-extinguishing agents in machinery spaces; and Mitigation of carbon monoxide hazards from all sources.

BSR/NFPA 318-201x, Standard for the Protection of Semiconductor Fabrication Facilities (revision of ANSI/NFPA 318-2011)

This standard applies to semiconductor fabrication facilities and comparable fabrication processes, including research and development areas in which hazardous chemicals are used, stored, and handled and containing what is defined in this standard as a cleanroom or clean zone, or both.

BSR/NFPA 484-201x, Standard for Combustible Metals (revision of ANSI/NFPA 484-2012)

This standard shall apply to the production, processing, finishing, handling, recycling, storage, and use of all metals and alloys that are in a form that is capable of combustion or explosion.

BSR/NFPA 703-201x, Standard for Fire Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials (revision of ANSI/NFPA 703-2012)

This standard provides criteria for defining and identifying fire retardant-treated wood and fire retardant-coated building materials. Fire resistance ratings measured on an hourly basis are not covered in this standard. To establish such ratings, tests should be made in accordance with NFPA 251.

BSR/NFPA 720-201x, Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment (revision of ANSI/NFPA 720-2012)

This standard covers the selection, design, application, installation, location, performance, inspection, testing, and maintenance of carbon monoxide detection and warning equipment in buildings and structures. This standard contains requirements for the selection, installation, operation, and maintenance of equipment that detects concentrations of carbon monoxide that could pose a life safety risk to most occupants in buildings and structures.

BSR/NFPA 1521-201x, Standard for Fire Department Safety Officer (revision of ANSI/NFPA 1521-2007)

This standard contains minimum requirements for the assignment, duties, and responsibilities of a health and safety officer (HSO) and an incident safety officer (ISO) for a fire department.

BSR/NFPA 2113-201x, Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel against Flash Fire (revision of ANSI/NFPA 2113-2011)

This standard shall specify the minimum selection, care, use, and maintenance requirements for flame-resistant garments for use by industrial personnel in areas at risk from flash fires or short-duration flame exposure that are compliant with NFPA 2112, Standard on Flame-Resistant Garments for Protection of Industrial Personnel against Flash Fire.

BSR/NFPA 5000-201x, Building Construction and Safety Code® (revision of ANSI/NFPA 5000-2012)

The Code does not address features that solely affect economic loss to private property. The Code addresses those construction, protection, and occupancy features necessary to minimize danger to life and property. The provisions of this document shall constitute and be known as NFPA 5000, Building Construction and Safety Code.

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/IEC 62366-1-201x, Medical devices - Application of usability engineering to medical devices (identical national adoption of IEC 62366-1 (in development) and revision of ANSI/AAMI/IEC 62366-2007 (R2013))

BSR/AAMI/ISO 7199-2009 (R201x), Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) (reaffirmation of ANSI/AAMI/ISO 7199-2009)

BSR/AAMI/ISO 7199-2009/A1-2011 (R201x), Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) - Amendment 1 (reaffirmation of ANSI/AAMI/ISO 7199-2009/A1-2011)

BSR/AAMI/ISO 15674-2009 (R201x), Cardiovascular implants and artificial organs - Hard-shell cardiectomy/venous reservoir systems (with/without filter) and soft venous reservoir bags (reaffirmation of ANSI/AAMI/ISO 15674-2009)

BSR/AAMI/ISO 15675-2009 (R201x), Cardiovascular implants and artificial organs - Cardiopulmonary bypass systems - Arterial blood line filters (reaffirmation of ANSI/AAMI/ISO 15675-2009)

IREC (Interstate Renewable Energy Council, Inc.)

Office: 125 Wolf Road
Suite 410
Albany, NY 12205

Contact: *Laure-Jeanne Davignon*

Phone: (518) 578-4718

E-mail: laurejeanne@irecusa.org

BSR/IREC 14732-201x, General Requirements for Accreditation of Clean Energy Certificate Programs (new standard)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: *Barbara Bennett*

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: comments@ititc.org

INCITS/ISO/IEC 9075-1:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 1: Framework (SQL/Framework) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-1:2011/Cor 1:2013)

INCITS/ISO/IEC 9075-2:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 2: Foundation (SQL/Foundation) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-2:2011/Cor 1:2013)

INCITS/ISO/IEC 9075-4:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-4:2011/Cor 1:2013)

INCITS/ISO/IEC 9075-14:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 14: XML-Related Specifications (SQL/XML) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-14:2011/Cor 1:2013)

INCITS/ISO/IEC 17998:2012, Information technology - SOA Governance Framework (identical national adoption of ISO/IEC 17998:2012)

INCITS/ISO/IEC 40210:2011, Information technology - W3C SOAP Version 1.2 Part 1: Messaging Framework (Second Edition) (identical national adoption of ISO/IEC 40210:2011)

INCITS/ISO/IEC 40220:2011, Information technology - W3C SOAP Version 1.2 Part 2: Adjuncts (Second Edition) (identical national adoption of ISO/IEC 40220:2011)

INCITS/ISO/IEC 40230:2011, Information technology - W3C SOAP Message Transmission Optimization Mechanism (identical national adoption of ISO/IEC 40230:2011)

INCITS/ISO/IEC 40240:2011, Information technology - W3C Web Services Addressing 1.0 - Core (identical national adoption of ISO/IEC 40240:2011)

INCITS/ISO/IEC 40250:2011, Information technology - W3C Web Services Addressing 1.0 - SOAP Binding (identical national adoption of ISO/IEC 40250:2011)

INCITS/ISO/IEC 40260:2011, Information technology - W3C Web Services Addressing 1.0 - Metadata (identical national adoption of ISO/IEC 40260:2011)

INCITS/ISO/IEC 40270:2011, Information technology - W3C Web Services Policy 1.5 - Framework (identical national adoption of ISO/IEC 40270:2011)

INCITS/ISO/IEC 40280:2011, Information technology - W3C Web Services Policy 1.5 - Attachment (identical national adoption of ISO/IEC 40280:2011)

INCITS/ISO/IEC TR 10037:1991 [2010], Information technology - SGML and Text-Entry Systems - Guidelines for SGML Syntax-Directed Editing Systems (identical national adoption of ISO/IEC TR 10037:1991)

INCITS/ISO/IEC TR 10037:1991 [2010], Information technology - SGML and Text-Entry Systems - Guidelines for SGML Syntax-Directed Editing Systems (withdrawal of INCITS/ISO/IEC TR 10037:1991 [2010])

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

Office: 35 Gilbert Hill Rd.
Chester, CT 06412

Contact: *Dave Aikens*

Phone: 860-878-0722

Fax: 860-555-1212

E-mail: daikens@optstd.org

BSR OEOSC OP1.9211-4-201x, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)

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

BSR/OEOSC OP1.0110-8:2008, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 8: Surface Texture; Roughness and Waviness (identical national adoption of ISO 10110-8:2010)

BSR/OEOSC OP3.001-2001 (R201x), Standard for Optics and Electro-Optical Instruments - Optical Glass (reaffirmation of ANSI/OEOSC OP3.001-2001 (R2008))

TCIA (ASC A300) (Tree Care Industry Association)

Office: 136 Harvey Road
Suite 101
Londonderry, NH 3053

Contact: *Robert Rouse*

Phone: (603) 314-5380 ext. 117

Fax: (603) 314-5386

E-mail: rrouse@tcia.org

BSR A300 (Part 4)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 (Part 4)-2008)

UL (Underwriters Laboratories, Inc.)

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

Contact: *Ross Wilson*

Phone: 919-549-1511

Fax: (631) 271-6200

E-mail: Ross.Wilson@ul.com

BSR/UL 83-201x, Standard for Safety for Thermoplastic-Insulated Wires and Cables (revision of ANSI/UL 83-2008)

BSR/UL 83-201X, Standard for Safety for Thermoplastic-Insulated Wires and Cables (Recirculation dated 04-19-13) (revision of ANSI/UL 83-2008)

Call for Members (ANS Consensus Bodies)

National Council for Prescription Drug Programs (NCPDP)

Enrollment in the 2014 Consensus Group begins on Thursday, January 2, 2014 and ends on Friday, January 31, 2014 at 5:00 p.m. PST/ 6:00 p.m. MST/ 7:00 p.m. CST/ 8:00 p.m. EST.

Information concerning the Consensus Group registration process is available by contacting:

Kitty Krempin

National Council for Prescription Drug Programs

9240 East Raintree Drive

Scottsdale, AZ 85260

Phone: (512) 291-1356

Fax: (480) 767-1042

E-mail: kkrempin@ncdpd.org

Standards:

Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both “Desk Top” claim audits and for in-store audit notices.

Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

Medicaid Subrogation Standard – provides guidelines for the process whereby a Medicaid agency can communicate to a processor for reimbursement. The state has reimbursed the pharmacy provider for covered services and now is pursuing reimbursement from other payers for these services.

Medical Rebates Data Submission Standard – provides a standardized format for health plans' rebate submissions to multiple manufacturers throughout the industry. Implementation of the medical also eliminates the need for manufacturers to create internal mapping processes to standardize unique data formats from each health plan or third party administrator.

Post Adjudication Standard – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.

Prescription File Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.

Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.

SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.

Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.

Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.

Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

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.

APSP (Association of Pool and Spa Professionals)

New Standard

- * ANSI/APSP 3-2013, Standard for Permanently Installed Residential Spas and Swim Spas (new standard): 12/20/2013

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

- ANSI X9.100-140-2013, Specifications for an Image Replacement Document (IRD) (revision of ANSI X9.100-140-2008): 12/20/2013
- ANSI X9.100-187-2013, Specifications for Electronic Exchange of Check and Image Data - Domestic (revision of ANSI X9.100-187-2008a): 12/20/2013

ASME (American Society of Mechanical Engineers)

New Standard

- ANSI/ASME PDS-1.1-200x, Product Definition Standards (PDS) - Dimensioning, Tolerancing, Surface Texture, and Metrology Standards - Rules for Drawings with Incomplete Reference to Applicable Drawing Standard (new standard): 12/20/2013

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

- ANSI ATIS 0300208-2013, Operations, Administration, Maintenance, and Provisioning (OAM&P) - Upper-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (revision of ANSI ATIS 0300208-2008): 12/19/2013
- ANSI ATIS 0900101-2013, Synchronization Interface Standard (revision of ANSI ATIS 0900101-2006): 12/19/2013

BICSI (Building Industry Consulting Service International)

New Standard

- ANSI/BICSI 003-2014, Building Information Modeling (BIM) Practices for Information Technology Systems (new standard): 12/20/2013

CEA (Consumer Electronics Association)

Withdrawal

- * ANSI/CEA 2022-2007, Digital STB Active Power Consumption Measurement Withdrawal (withdrawal of ANSI/CEA 2022-2007): 12/20/2013

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

New Standard

- ANSI/DMSC QIF V 1.0-2013, Quality Information Framework version 1.0 (new standard): 12/19/2013

HI (Hydraulic Institute)

Revision

- ANSI/HI 1.3-2013, Rotodynamic Centrifugal Pumps for Design and Application (revision of ANSI/HI 1.3-2009): 12/19/2013

- ANSI/HI 2.3-2013, Rotodynamic (Vertical) Pumps of Radial, Mixed, and Axial Flow Types for Design and Application (revision of ANSI/HI 2.3-2008): 12/19/2013

HPS (ASC N13) (Health Physics Society)

New Standard

- ANSI N13.3-2013, Dosimetry for Criticality Accidents (new standard): 12/20/2013

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

New Standard

- ANSI N42.49B-2013, Performance Criteria for Non-Alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard): 12/20/2013

InfoComm (InfoComm International)

New Standard

- ANSI/INFOCOMM 10-2013, Audiovisual Systems Performance Verification (new standard): 12/20/2013

ISA (ISA)

Revision

- ANSI/ISA 75.10.01-2013, General Requirements for Clamp or Pinch Valves (revision of ANSI/ISA 75.10.01-2008): 12/20/2013

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

Stabilized Maintenance

- INCITS 338-2003 (S2013), Information Technology - High-Performance Parallel Interface - 6400 Mbit/s Optical Specifications (HIPPI-6400-OPT) (stabilized maintenance of INCITS 338-2003 (R2008)): 12/18/2013

PLASA (PLASA North America)

Revision

- ANSI E1.21-2013, Entertainment Technology - Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI E1.21-2006): 12/19/2013

SES (The Society for Standards Professionals)

New Standard

- ANSI/SES-1 REV-2013, Recommended Practice for the Designation and Organization of Standards (new standard): 12/19/2013

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

- ANSI/TAPPI T 236 om-2013, Kappa number of pulp (new standard): 12/20/2013
- ANSI/TAPPI T 459 om-2013, Surface strength of paper (wax pick test) (new standard): 12/20/2013

ANSI/TAPPI T 494 om-2013, Tensile properties of paper and paperboard (using constant rate of elongation apparatus) (new standard): 12/20/2013

ANSI/TAPPI T 511 om-2013, Folding endurance of paper (MIT tester) (new standard): 12/20/2013

ANSI/TAPPI T 524 om-2013, Color of paper and paperboard (45/0, C/2) (new standard): 12/20/2013

ANSI/TAPPI T 527 om-2013, Color of paper and paperboard (d/0, C/2) (new standard): 12/20/2013

ANSI/TAPPI T 812 om-2013, Ply separation of solid and corrugated fiberboard (wet) (new standard): 12/20/2013

ANSI/TAPPI T 836 om-2013, Bending stiffness, four point method (new standard): 12/20/2013

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 183-2013, Standard for Safety for Manufactured Wiring Systems (revision of ANSI/UL 183-2012): 12/20/2013

ANSI/UL 676-2013, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2012a): 12/19/2013

Project Initiation Notification System (PINS)

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

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

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

ABYC (American Boat and Yacht Council)

Office: 613 Third Street, ste 10
Annapolis, MD 21403

Contact: Lynn Lipsey

E-mail: llipsey@abycinc.org

* BSR/ABYC EDU-1-201x, On-Water Power Standards & Rubrics (new standard)

Stakeholders: Consumers, insurance personnel, boat manufacturers, trade organizations, and surveyors.

Project Need: This standard identifies on-water skills necessary to safely operate a boat of 26' or less.

This standard is a guide for on-water skills necessary to safely operate a boat of 26' or less.

AGA (ASC Z380) (American Gas Association)

Office: 400 N. Capitol Street, N.W.
Washington, DC 20001

Contact: Paul Cabot

Fax: (202) 824-9122

E-mail: pcabot@aga.org

BSR/GPTC Z380.1-201x, Guide for Gas Transmission and Distribution Piping Systems (revision, redesignation and consolidation of ANSI/GPTC Z380.1-2012)

Stakeholders: Natural and LP gas transmission and distribution pipeline operators; Federal and State regulatory agencies involved in enforcement activities; manufacturers and suppliers of materials/equipment to the industry.

Project Need: To update guidance material to reflect current and new federal regulations and industry practices, consolidate all issued Addenda, and publish a 2015 edition.

The standard provides guidance to operators of natural gas and LP pipelines systems regulated under U.S. CFR 49, Parts 191 and 192.

ECA (Electronic Components Association)

Office: 2214 Rock Hill Road
Suite 170
Herndon, VA 20170-4212

Contact: Laura Donohoe

Fax: (571) 323-0245

E-mail: ldonohoe@eciaonline.org

BSR/EIA 364-10F-201x, Fluid Immersion Test Procedure for Electrical Connectors, Sockets and Cable Assemblies (revision and redesignation of ANSI/EIA 364-10E-2008)

Stakeholders: Electronics, electrical, and telecommunications industry.

Project Need: Revision of current standard.

This standard establishes test methods to determine the ability of an electrical connector or connector assembly to resist degradation due to exposure to specific fluids with which the connector assembly may come into contact during its service life.

IREC (Interstate Renewable Energy Council, Inc.)

Office: 125 Wolf Road
Suite 410
Albany, NY 12205

Contact: Laure-Jeanne Davignon

E-mail: laurejeanne@irecusa.org

BSR/IREC 14732-201x, General Requirements for Accreditation of Clean Energy Certificate Programs (new standard)

Stakeholders: Regulatory groups, clean energy enterprises, clean energy subject-matter-experts, related trade associations, industry groups and professional societies, private sector employers, and representatives from clean energy standard-setting bodies.

Project Need: The proliferation of workforce-related training and credentialing programs in the clean energy sector has led to confusion in the marketplace and inconsistency in workforce skills. There is a need to differentiate between certification and certificate programs, and to describe best practices and requirements that form the foundation for accrediting clean energy certificate programs.

This standard forms the foundation for the accreditation of certificate-awarding entities that develop and administer credit or non-credit clean energy-related programs offered in formal educational institutions and other legal entities. For the purposes of this standard, clean energy technologies and practices include renewable energy, energy efficiency, distributed renewable energy generation, and other sustainability practices.

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: *Barbara Bennett*

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 9075-1:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 1: Framework (SQL/Framework) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-1:2011/Cor 1:2013)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This corrigendum corrects a technical defect in ISO/IEC 9075-1:2011. ISO/IEC 9075-1:2011 describes the conceptual framework used in other parts of ISO/IEC 9075 to specify the grammar of SQL and the result of processing statements in that language by an SQL-implementation.

INCITS/ISO/IEC 9075-2:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 2: Foundation (SQL/Foundation) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-2:2011/Cor 1:2013)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This corrigendum corrects a technical defect in ISO/IEC 9075-2:2011. ISO/IEC 9075-2:2011 defines the data structures and basic operations on SQL-data. It provides functional capabilities for creating, accessing, maintaining, controlling, and protecting SQL-data. Both static and dynamic variants of the language are provided. In addition to direct invocation, bindings are provided for the programming languages Ada, C, COBOL, Fortran, M, Pascal, and PL/I.

INCITS/ISO/IEC 9075-4:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-4:2011/Cor 1:2013)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This corrigendum corrects a technical defect in ISO/IEC 9075-4:2011. ISO/IEC 9075-4:2011 specifies the syntax and semantics of statements to add a procedural capability to the SQL language in functions and procedures. It includes statements to direct the flow of control, define variables, make assignments, and handle exception conditions.

INCITS/ISO/IEC 9075-14:2011/Cor 1:2013, Information technology - Database languages - SQL - Part 14: XML-Related Specifications (SQL/XML) - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9075-14:2011/Cor 1:2013)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This corrigendum corrects a technical defect in ISO/IEC 9075-14:2011. ISO/IEC 9075-14:2011 defines ways in which SQL can be used in conjunction with XML. It defines ways of importing and storing XML data in an SQL database, manipulating it within the database and publishing both XML and conventional SQL-data in XML form.

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 17998:2012, Information technology - SOA Governance Framework (identical national adoption of ISO/IEC 17998:2012)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry

ISO/IEC 17998:2012 describes a framework that provides context and definitions to enable organizations to understand and deploy service-oriented architecture (SOA) governance.

INCITS/ISO/IEC 40210:2011, Information technology - W3C SOAP Version 1.2 Part 1: Messaging Framework (Second Edition) (identical national adoption of ISO/IEC 40210:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

SOAP Version 1.2 (SOAP) is a lightweight protocol intended for exchanging structured information in a decentralized, distributed environment. It uses XML technologies to define an extensible messaging framework providing a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation specific semantics.

INCITS/ISO/IEC 40220:2011, Information technology - W3C SOAP Version 1.2 Part 2: Adjuncts (Second Edition) (identical national adoption of ISO/IEC 40220:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

SOAP Version 1.2 is a lightweight protocol intended for exchanging structured information in a decentralized, distributed environment. ISO/IEC 40220:2011 defines a set of adjuncts for use with the SOAP Version 1.2 messaging framework specified in ISO/IEC 40210:2011. ISO/IEC 40220:2011 depends on ISO/IEC 40210:2011.

INCITS/ISO/IEC 40230:2011, Information technology - W3C SOAP Message Transmission Optimization Mechanism (identical national adoption of ISO/IEC 40230:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

ISO/IEC 40230:2011 specifies an abstract feature for optimizing the transmission and/or wire format of a SOAP message by selectively encoding portions of the message, while still presenting an XML Infoset to the SOAP application.

INCITS/ISO/IEC 40240:2011, Information technology - W3C Web Services Addressing 1.0 - Core (identical national adoption of ISO/IEC 40240:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. ISO/IEC 42040:2011 defines a set of abstract properties and an XML Infoset representation thereof to reference Web services and to facilitate end-to-end addressing of endpoints in messages. It enables messaging systems to support message transmission through networks that include processing nodes such as endpoint managers, firewalls, and gateways in a transport-neutral manner.

INCITS/ISO/IEC 40250:2011, Information technology - W3C Web Services Addressing 1.0 - SOAP Binding (identical national adoption of ISO/IEC 40250:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. ISO/IEC 42050:2011 defines the binding of the abstract properties defined in ISO/IEC 42040 to SOAP Messages.

INCITS/ISO/IEC 40260:2011, Information technology - W3C Web Services Addressing 1.0 - Metadata (identical national adoption of ISO/IEC 40260:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. ISO/IEC 40260:2011 defines how the abstract properties defined in ISO/IEC 40240 are described using Web Services Description Language (WSDL), how to include WSDL metadata in endpoint references, and how WS-Policy can be used to indicate the support of WS-Addressing by a Web service.

INCITS/ISO/IEC 40270:2011, Information technology - W3C Web Services Policy 1.5 - Framework (identical national adoption of ISO/IEC 40270:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

ISO/IEC 40270:2011 defines a framework and a model for expressing policies that refer to domain-specific capabilities, requirements, and general characteristics of entities in a Web services-based system.

INCITS/ISO/IEC 40280:2011, Information technology - W3C Web Services Policy 1.5 - Attachment (identical national adoption of ISO/IEC 40280:2011)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

ISO/IEC 40280:2011 defines two general-purpose mechanisms for associating policies, as defined in ISO/IEC 40270, with the subjects to which they apply. It also defines how these general-purpose mechanisms can be used to associate policies with Web Services Description Language (WSDL) and Universal Description, Discovery and Integration (UDDI) descriptions.

NEMA (ASC C82) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

Contact: *Randolph Roy*

Fax: (703) 841-3377

E-mail: ran_roy@nema.org

BSR/ANSI C82.6-201x, Lamp Ballasts - Ballasts for High Intensity Discharge Lamps - Method of Measurement (revision of ANSI C82.6-2005 (R2010))

Stakeholders: Manufacturers, users, and general interest.

Project Need: This project is proposed revision of a 2005 standard, which best represents technical changes in the method of measurements for high-intensity discharge (HID) lamp ballasts.

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of low frequency ballasts (electromagnetic and electronic ballasts that operate at less than 400 Hz) for high-intensity discharge (HID) lamps. Deviations from the procedures given in this standard are permissible for production or other testing, provided that the methods used give the results in substantial agreement with the method given in this standard. In case of doubt, reference shall be made to the specified methods to establish the validity of the results obtained by any alternate procedure.

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: *Susan Malohn*

Fax: (847) 407-1725

E-mail: Susan.P.Malohn@ul.com

BSR/UL 9540-201x, Standard for Safety for Energy Storage Systems and Equipment (new standard)

Stakeholders: UL and manufacturers of energy storage systems and equipment.

Project Need: ANSI approval of a new UL standard.

Energy storage systems and equipment that are intended to store energy from power sources and provide electrical energy to loads or power conversion equipment. The systems may include functionality and equipment for charging, discharging, control, protection, communication, etc. These may be used in systems that are standalone to provide energy for local loads, in parallel with an electric power system, electric utility grid or applications that perform multiple operational modes. These are intended for use in utility-interactive applications in compliance with IEEE 1547 and IEEE 1547.1 or other applications intended to provide grid support functionality.

VITA (VMEbus International Trade Association (VITA))

Office: PO Box 19658
Fountain Hills, AZ 85269

Contact: *John Rynearson*

Fax: (480) 837-7486

E-mail: techdir@vita.com

BSR/VITA 62-201x, Power Supply Standard (revision of ANSI/VITA 62-2012)

Stakeholders: Manufacturers, suppliers, and users of modular VPX embedded systems.

Project Need: Standardize power supply requirements for modular VPX embedded systems.

This proposed standard will provide guidelines to building a power supply module that can be used to power a VPX chassis. The module will fit within the standard envelope defined for VPX modules using the VITA 48 specifications.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI

Association for the Advancement of
Medical Instrumentation (AAMI)
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8263
Fax: (703) 276-0793
Web: www.aami.org

ABYC

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

AGA (ASC Z380)

American Gas Association
400 N. Capitol Street, N.W.
Washington, DC 20001
Phone: (202) 824-7312
Fax: (202) 824-9122
Web: www.aga.org

AIAA

American Institute of Aeronautics and
Astronautics
1801 Alexander Bell Drive
Suite 500
Reston, VA 20191-4344
Phone: 703-264-7546
Web: www.aiaa.org

APSP

Association of Pool and Spa
Professionals
2111 Eisenhower Avenue
Alexandria, VA 22314
Phone: (703) 838-0083 x150
Fax: (703) 549-0493
Web: www.apsp.org

ASC X9

Accredited Standards Committee X9,
Incorporated
1212 West Street
Suite 200
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle
Atlanta, GA 30329
Phone: 404-636-8400
Fax: 678-539-2125
Web: www.ashrae.org

ASIS

ASIS International
1625 Prince Street
Alexandria, VA 22314-2818
Phone: (703) 518-1439
Fax: (703) 518-1517
Web: www.asisonline.org

ASME

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

ASTM

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

ATIS

Alliance for Telecommunications
Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8841
Fax: (202) 347-7125
Web: www.atis.org

AWWA

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

BICSI

Building Industry Consulting Service
International
8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712
Fax: (813) 971-4311
Web: www.bicsi.org

CEA

Consumer Electronics Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Fax: (703) 907-4197
Web: www.ce.org

CSA

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

DMSC, Inc.

Dimensional Metrology Standards
Consortium, Inc.
1350 SW Alsbury Blvd., #514
Burleson, TX 76028-9219
Phone: (817) 461-1092
Fax: (682) 224-6201
Web: www.dmis.org

ECA

Electronic Components Association
2214 Rock Hill Road
Suite 170
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.eciaonline.org

FM

FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 2062
Phone: (781) 255-4813
Fax: (781) 762-9375
Web: www.fmglobal.com

HI

Hydraulic Institute
6 Campus Drive, 1st Fl North
Parsippany, NJ 07054
Phone: (973) 267-9700
Fax: (973) 267-9055
Web: www.pumps.org

HPS (ASC N13)

Health Physics Society
1313 Dolley Madison Blvd
Suite 402
McLean, VA 22101
Phone: (703) 790-1745
Fax: (703) 790-2672
Web: www.hps.org

IAPMO (ASC Z124)

International Association of Plumbing
& Mechanical Officials
5001 East Philadelphia Street
Ontario, CA 91761-2816
Phone: (909) 472-4106
Fax: (909) 472-4150
Web: www.iapmort.org

IEEE (ASC C63)

Institute of Electrical and Electronics
Engineers
445 Hoes Lane, PO Box 1331
Piscataway, NJ 08855-1331
Phone: (732) 275-7362
Fax: (732) 562-1571
Web: www.ieee.org

IEEE (ASC N42)

Institute of Electrical and Electronics
Engineers
NIST
100 Bureau Drive, Mail Stop 8642
Gaithersburg, MD 20899-8462
Phone: (301) 975-5536
Fax: (301) 926-7416
Web: www.ieee.org

INFOCOMM

InfoComm International
11242 Waples Mill Road
Suite 200
Fairfax, VA 22030
Phone: (703) 277-2007
Fax: (703) 278-8082
Web: www.infocomm.org

IREC

Interstate Renewable Energy Council,
Inc.
125 Wolf Road
Suite 410
Albany, NY 12205
Phone: (518) 578-4718
Web: www.irecusa.org

ISA (Organization)

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

ITI (INCITS)

InterNational Committee for
Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5741
Fax: 202-638-4922
Web: www.incits.org

NEMA (ASC C78)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 1752
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3377
Web: www.nema.org

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169-7471
Phone: (617) 770-3000
Fax: (617) 770-0700
Web: www.nfpa.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6819
Fax: (734) 827-7875
Web: www.nsf.org

OEOSC (ASC OP)

Optics and Electro-Optics Standards
Council
35 Gilbert Hill Rd.
Chester, CT 06412
Phone: 860-878-0722
Fax: 860-555-1212
Web: www.optstd.org

PLASA

PLASA North America
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.plasa.org

SES

The Society for Standards
Professionals
11242 Waples Mill Road
Fairfax, VA 22032
Phone: (703) 279-6370
Fax: (703) 278-8082
Web: www.ses-standards.org

TAPPI

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

TCIA (ASC A300)

Tree Care Industry Association
136 Harvey Road
Suite 101
Londonderry, NH 3053
Phone: (603) 314-5380 ext. 117
Fax: (603) 314-5386
Web: www.treecareindustry.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
RTP, NC 27709
Phone: (919) 549-0989
Web: www.ul.com

VITA

VMEbus International Trade
Association (VITA)
PO Box 19658
Fountain Hills, AZ 85269
Phone: (480) 837-7486
Fax: (480) 837-7486
Web: www.vita.com



IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 IEC documents should be sent to Charles T. Zegers, at ANSI's New York offices. The final date for offering comments is listed after each draft.

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|--|---|
| <p>17C/592/CD, IEC 62271-212 Ed.1: High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS), 02/28/2014</p> <p>17C/594/FDIS, IEC 62271-201 Ed.2: High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 02/14/2014</p> <p>17C/595/FDIS, IEC 62271-202 Ed.2: High-voltage switchgear and controlgear - Part 202: High-voltage/low-voltage prefabricated substation, 02/14/2014</p> <p>17A/1059/CD, Amendment 2 to IEC 62271-100 Ed.2: High-voltage switchgear and controlgear - Part 100: Alternating current circuit-breakers, 03/14/2014</p> <p>17A/1059A/CD, Amendment 2 to IEC 62271-100 Ed.2: High-voltage switchgear and controlgear - Part 100: Alternating current circuit-breakers, 03/14/2014</p> <p>17B/1841/CD, IEC 60947-5-1 am2 Ed.3: Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, 03/07/2014</p> <p>18A/359/CDV, IEC 60092-350: Electrical installations in ships - Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications, 03/14/2014</p> <p>22F/339/NP, Voltage Sourced Converter (VSC) Valves for Static Synchronous Compensator (STATCOM) - Electrical Testing, 03/07/2014</p> <p>22F/344/DTR, Amendment 1 - IEC 60919-2 Ed.2: Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 2: Faults and switching, 02/21/2014</p> <p>23E/824/CDV, IEC 62752 Ed.1: In-Cable Control and Protection Device for mode 2 charging of electric road vehicles (IC-CPD), 03/07/2014</p> <p>23E/825/CDV, IEC 60898-1 Ed.2: Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation, 03/21/2014</p> <p>23E/846/CD, IEC 62640 Am.1 Ed.1: Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses, 03/14/2014</p> <p>23B/1141/CD, IEC 60669-1 f2 Ed.4: Switches for household and similar fixed-electrical installations - Part 1: General requirements, 02/21/2014</p> | <p>34C/1076/NP, PNW 34C-1076: Lamp controlgear - Part 2-xx: Particular requirements for d.c. and/or a.c. supplied electronic controlgear for fluorescent induction lamps, 02/28/2014</p> <p>34A/1721/CDV, Amendment 1 to IEC 62560 Ed.1: Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications, 03/07/2014</p> <p>34A/1737/DTR, IEC/TR 62778 Ed.2: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires, 02/07/2014</p> <p>45B/781/FDIS, IEC 62694 Ed.1: Radiation protection instrumentation - Backpack-type radiation detector (BRD) for detection of illicit trafficking of radioactive material, 02/21/2014</p> <p>46F/258/CD, IEC 61169-52 ed 1.0: Radio-Frequency Connectors - Part 52: Sectional specification for series MMCX RF coaxial connectors, 03/21/2014</p> <p>46C/989/CD, IEC 61156-9: Multicore and symmetrical pair/quad cables for digital communications - Part 9: Cables for horizontal floor wiring with transmission characteristics up to 2 GHz - Sectional specification, 03/21/2014</p> <p>46C/990/CD, IEC 61156-10: Multicore and symmetrical pair/quad cables for digital communications - Part 10: Cables for work area wiring with transmission characteristics up to 2 GHz - Sectional specification, 03/21/2014</p> <p>46A/1176/CD, IEC 61196-11: Coaxial communication cables - Part 11: Sectional specification for semi-rigid cables with polyethylene (PE) dielectric, 03/14/2014</p> <p>46A/1177/CD, IEC 61196-11-1: Coaxial communication cables - Part 11-1: Blank detail specification for semi-rigid cables with polyethylene (PE) dielectric, 03/14/2014</p> <p>46A/1183/CD, IEC 61196-4-1: Coaxial communication cables - Part 4-1: Blank detail specification for radiating cables, 03/21/2014</p> <p>48D/555/CD, IEC 61587-1/Ed4: Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test set-up and safety aspects for cabinets, racks, subracks and chassis under indoor conditions, 03/07/2014</p> <p>48B/2364/CD, IEC 60603-7-81/Ed1: Connectors for electronic equipment - Part 7-81: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 2000 mhz, 03/14/2014</p> |
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- 48B/2368/CD, IEC 61076-3-104/Ed3: Connectors for electronic equipment - Product requirements - Part 3-104: Detail specification for 8-way, shielded free and fixed connectors for data transmissions with frequencies up to 2 000 MHz, 02/21/2014
- 62A/900/CDV, IEC 62366-1: Medical devices - Part 1: Application of usability engineering to medical devices, 03/21/2014
- 62A/916/FDIS, IEC 60601-1-2: Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests, 01/31/2014
- 62A/917/CD, IEC/TR 80001-2-5: Application of risk management for IT-networks incorporating medical devices - Part 2-5: Application guidance - Guidance on distributed alarm systems, 03/14/2014
- 62A/918/DTR, IEC/TR 80002-3: Medical device software - Part 3: Process reference model of medical device software life cycle processes (IEC 62304), 02/14/2014
- 62A/919/CD, IEC/TR 60601-4-3: Medical electrical equipment - Part 4-3: Guidance and interpretation - Considerations of unclear or unaddressed safety aspects in the third edition of IEC 60601-1 and proposals for new requirements, 03/21/2014
- 62B/926/CDV, Amendment 1 to IEC 60601-2-37: Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment, 03/21/2014
- 65E/336/CDV, IEC 62453-3x Field Device Tool (FDT) Interface Specification - Part 30x: Communication Profile Integration - IEC 61784 CPF x, 03/14/2014
- 65E/337/CDV, IEC 62769-1 Ed. 1.0 - Field Device Integration (FDI) - Part 1: Overview, 03/21/2014
- 65E/345/CDV, IEC 62769-2 Ed. 1.0 - Field Device Integration (FDI) - Part 2: FDI Client, 03/21/2014
- 65E/346/CDV, IEC 62769-3 Ed. 1.0 - Field Device Integration (FDI) - Part 3: FDI Server, 03/21/2014
- 65E/347/CDV, IEC 62769-4 Ed. 1.0 - Field Device Integration (FDI) - Part 4: FDI Packages, 03/21/2014
- 65E/348/CDV, IEC 62769-5 Ed. 1.0 - Field Device Integration (FDI) - Part 5: FDI Information Model, 03/21/2014
- 65E/349/CDV, IEC 62769-6 Ed. 1.0 - Field Device Integration (FDI) - Part 6: Technology Mapping, 03/21/2014
- 65E/350/CDV, IEC 62769-7 Ed. 1.0 - Field Device Integration (FDI) - Part 7: Communication Devices, 03/21/2014
- 65E/352/CDV, IEC 62769-101-1 Ed. 1.0 - Field Device Integration (FDI) - Profiles - Part 101-1: Foundation Fieldbus H1, 03/21/2014
- 65E/353/CDV, IEC 62769-101-2 Ed. 1.0 - Field Device Integration (FDI) - Profiles - Part 101-2: Foundation Fieldbus HSE, 03/21/2014
- 65E/354/CDV, IEC 62769-103-1 Ed. 1.0 - Field Device Integration (FDI) - Profiles - Part 103-1: PROFIBUS, 03/21/2014
- 65E/355/CDV, IEC 62769-103-4 Ed. 1.0 - Field Device Integration (FDI) - Profiles - Part 103-4: PROFINET, 03/21/2014
- 65E/356/CDV, IEC 62769-109-1 Ed. 1.0 - Field Device Integration (FDI) - Profiles - Part 109-1: HART® and WirelessHART®, 03/21/2014
- 65E/384/CD, IEC 62264-4 Ed. 1.0 Enterprise-Control System Integration - Part 4: Object model attributes for manufacturing operations management integration, 02/21/2014
- 65B/906/NP, IEC 62603-2 Industrial Process Control System - Guideline for Evaluating the Performances of Process Control Systems - Part 2: Testing methods and procedures for specific PCS, 03/21/2014
- 86C/1188/CDV, IEC 61290-1/Ed1: Optical amplifiers - Test methods - Part 1: Optical power and gain parameters, 03/07/2014
- 86C/1203/CD, IEC 61291-5-2/Ed2: Optical amplifiers - Part 5-2: Qualification specifications - Reliability qualification for optical fibre amplifiers, 01/31/2014
- 86C/1204/CD, IEC 62343-6-7/TR/Ed1: Dynamic modules - Part 6-7: Design guide - Optical channel monitort, 02/07/2014
- 86C/1206/DTR, IEC 62343-6-5/TR/Ed2: Dynamic modules - Part 6-5: Design guide - Investigation of operating mechanical shock and vibration tests for dynamic modules, 02/07/2014
- 86C/1207/CD, IEC 62007-1/Ed3: Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Specification template for essential ratings and characteristics, 02/07/2014
- 86C/1209/CD, IEC 62343-1-2/Ed2: Dynamic modules - Part 1-2: Performance standards - Tuneable chromatic dispersion compensator (non-connectorized), 02/14/2014
- 86C/1210/CD, IEC 61757-3-1/Ed1: Fibre optic sensors - Part 3-1: Temperature measurement - Distributed sensing, 02/14/2014
- 86C/1211/CD, IEC 62343-4-1/Ed1: Dynamic modules - Part 4-1: Software and hardware interface standards - 1x9 wavelength selective switch, 02/14/2014
- 86C/1213/CD, IEC 61282-11/TR/Ed2: Fibre optic communication system design guides - Part 11: Multimode launch conditions, 02/14/2014
- 86C/1216/CD, IEC 61290-1-3/Ed3: Optical amplifiers - Test methods - Part 1-3: Optical power and gain parameters - Optical power meter method, 02/21/2014
- 86C/1218/CD, IEC 61757-2-1/Ed1: Fibre optic sensors - Part 2-1: Strain measurement - Strain sensors based on fibre Bragg gratings, 02/21/2014
- 86A/1579/CD, IEC 60793-2-20/Ed3: Optical fibres - Part 2-20: Product specifications - Sectional specification for category A2 multimode fibres, 03/21/2014
- 86A/1581/CD, IEC 60793-2-30/Ed4: Optical fibres - Part 2-30: Product specifications - Sectional specification for category A3 multimode fibres, 03/21/2014
- 86B/3714/DTR, IEC 62627-06/Ed1: Fibre optic interconnecting devices and passive components - Part 06: Mechanical design proving Nutation test results for reinforced fibre cable terminated with optical connectors for high density patching applications, 02/07/2014
- 86B/3717/CD, IEC 61753-382-2/Ed1: Fibre optic interconnecting devices and passive components - Performance standard - Part 382-2: Non-connectorised single-mode bidirectional G-PON-NGA WWDM devices for category C - controlled environment, 03/07/2014
- 86B/3718/FDIS, IEC 61300-3-29/Ed2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-29: Examinations and measurements - Spectral transfer characteristics of DWDM devices, 02/21/2014
- 14/778/CD, IEC 60076-20 Ed.1: Power transformers - Part 20: Energy efficiency, 03/21/2014
- 15/725/CD, IEC 60674-3-8/A1/Ed1: Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation, 03/07/2014
- 15/729/NP, Future IEC 62677-3-101/Ed1: Heat-shrinkable low and medium voltage moulded shapes - Part 3: Material requirements - Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications, 03/21/2014

- 15/730/NP, Future IEC 62677-3-102/Ed1: Heat-shrinkable low and medium voltage moulded shapes - Part 3: Material requirements - Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications, 03/21/2014
- 15/731/CD, IEC 62677-2/Ed1: Heat shrinkable low and medium voltage moulded shapes - Part 2: Methods of test, 04/25/2014
- 2/1731/DTS, IEC 60034-25 TS Ed.3: Rotating electrical machines - Part 25: A.C. electrical machines when used in power drive systems - Application guide, 02/28/2014
- 2/1732/FDIS, IEC 60034-8 A1 Ed.3: Amendment 1 to IEC 60034-8 Ed.3: Rotating electrical machines - Part 8: Terminal markings and direction of rotation, 02/21/2014
- 21/820/CDV, IEC 62485-4: Safety requirements for secondary batteries and battery installations - Part 4: Valve regulated lead acid batteries for use in portable appliances, 03/14/2014
- 21/821/CDV, IEC 62485-1: Safety requirements for secondary batteries and battery installations - Part 1: General safety information, 03/21/2014
- 21/825/CD, IEC 61427-2: Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications, 03/07/2014
- 21/825A/CD, IEC 61427-2: Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications, 03/07/2014
- 27/938/CDV, IEC 62798 Ed.1: Industrial electroheating equipment - Test methods for infrared emitters, 03/21/2014
- 29/834/CD, IEC 61260-3: Electroacoustics - Octave-band and fractional-octave-band filters - Part 3: Periodic tests, 01/31/2014
- 29/835/FDIS, IEC 61260-1: Electroacoustics - Octave-band and fractional-octave-band filters - Part 1: Specifications, 01/31/2014
- 44/690/CDV, IEC 62046: Safety of machinery - Application of protective equipment to detect the presence of persons, 03/14/2014
- 44/690A/CDV, IEC 62046: Safety of machinery - Application of protective equipment to detect the presence of persons, 03/14/2014
- 45/767/CDV, IEC 60412 Ed.3: Nuclear instrumentation - Nomenclature (identification) of scintillators and scintillation detectors and standard dimensions of scintillators, 03/14/2014
- 59/602/DC, Proposed amendment to IEC 60704-2-7, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for fans, 01/31/2014
- 65/544/CDV, IEC 62424 Ed. 2.0: Representation of process control engineering - Request in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools, 03/14/2014
- 65/545/CDV, IEC 62443-2-4/Ed.1: Security for industrial automation and control systems - Network and system security - Part 2-4: Requirements for IACS solution suppliers, 03/21/2014
- 65/552/CD, IEC 61010-2-202 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -202: Particular requirements for electrically operated valve and actuator, 03/14/2014
- 68/478/CD, IEC 60404-13 Ed.2: Magnetic materials - Part 13: Methods of measurement of resistivity, density and stacking factor of electrical steel strip and sheet, 04/25/2014
- 69/272/FDIS, IEC 61851-23/Ed1: Electric vehicle conductive charging system - Part 2-3: D.C electric vehicle charging station, 01/31/2014
- 69/273/FDIS, IEC 61851-24/Ed1: Electric vehicle conductive charging system - Part 24: Digital communication between a dc EV charging station and an electric vehicle for control of d.c. charging, 01/31/2014
- 69/274/CD, IEC 62840-2 Ed.1: Electric Vehicle Battery Swap System - Part 2: Safety Requirements, 03/21/2014
- 80/714/CDV, IEC 61162-3 A2 Ed.1: Amendment 2 to IEC 61162-3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 3: Serial data instrument network, 03/07/2014
- 8/1343/CD, IEC 62786 Ed.1: Demand Side Energy Resources Interconnection with the Grid, 03/07/2014
- 8/1346/DTR, IEC/TR 62511 Ed.1: A Guide for the Design of Interconnected Power Systems, 02/14/2014
- 8/1347/CD, IEC/TS 62749 Ed.1: Assessment of power quality - Characteristics of electricity supplied by public networks, 03/21/2014
- 8/1347A/CD, IEC/TS 62749 Ed.1: Assessment of power quality - Characteristics of electricity supplied by public networks, 02/28/2014
- 82/813/FDIS, IEC 62116 Ed.2: Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures, 02/07/2014
- 82/820/CD, IEC 62910 TS Ed.1: Test procedure of Low voltage Ride-Through (LVRT) measures for utility-interconnected photovoltaic inverter, 03/21/2014
- 9/1873/FDIS, IEC 61375-3-4 Ed.1: Electronic railway equipment - Train communication network (TCN) - Part 3-4: Ethernet Consist Network (ECN), 02/07/2014
- 9/1876/CD, IEC 62847 Ed.1: Railway applications - Rolling stock - Electrical connectors - Requirements and test methods, 03/21/2014
- 9/1884/NP, Railway applications - Rolling stock equipment - Onboard lithium-ion traction batteries, 03/21/2014
- 94/366/CDV, IEC 62246-1 Ed.3: Reed switches - Part 1: Generic specification, 03/07/2014
- 96/407/FDIS, IEC 61558-2-10 Ed.1: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-10: Particular requirements and tests for separating transformers with high insulation level and separating transformers with output voltages exceeding 1000 V, 02/21/2014
- 99/130/DTS, IEC/TS 61936-2 Ed.1: Power installations exceeding 1 kV a.c. and 1,5 kV d.c. - Part 2: d.c., 03/07/2014
- 104/630/FDIS, IEC 60721-2-9 Ed.1: Classification of environmental conditions - Part 2-9: Environmental conditions appearing in nature - Measured shock and vibration data - Storage, transportation and in-use, 01/31/2014
- 105/491/DC, Revision of IEC 62282-3-201 Ed.1: Fuel cell technologies - Part 3-201: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems, 02/21/2014
- 107/225/NP, Process management for avionics - Aerospace and defence electronic systems containing lead-free solder - Part 4: Ball grid array (BGA) package re-balling (proposed IEC TS 62647-4), 02/28/2014
- 107/226/DTS, IEC 62668-1 TS Ed.2: Process management for avionics - Counterfeit prevention - Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components, 02/28/2014
- 107/228/DTS, IEC 62668-2 TS Ed.1: Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources, 02/28/2014

- 108/523/FDIS, IEC 60065/Ed8: Audio, video and similar electronic apparatus - Safety requirements, 02/14/2014
- 110/515A/CDV, IEC 61747-2-2 Ed.2: Liquid crystal display devices - Part 2-2: Matrix colour LCD modules - Blank detail specification, 02/21/2014
- 110/526/CDV, IEC 61747-1-2 Ed.1: Liquid crystal display devices - Part 1-2: Terminology and letter symbols, 03/07/2014
- 110/527/CDV, IEC 61747-1-1 Ed.1: Liquid crystal display devices - Part 1-1: Generic - Generic specification, 03/07/2014
- 110/528/CDV, IEC 61747-10-2 Ed.1: Liquid crystal display devices - Part 10-2: Environmental and endurance measurements, 03/21/2014
- 110/540/NP, Future IEC 62341-X-X: Organic light emitting diode (OLED) displays - Part X-X: Measuring methods of transparent properties, 03/07/2014
- 111/328/CDV, IEC 62321-7-1 Ed. 1.0: Determination of certain substances in electrotechnical products - Part 7-1: Presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method, 03/21/2014
- 114/125/CD, IEC 62600-101 TS Ed.1: Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization, 02/14/2014
- 31/1086/CDV, IEC 60079-28/Ed2: Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation, 03/07/2014
- 49/1091/FDIS, IEC 62761 Ed.1: Guidelines for the measurement method of nonlinearity for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF), 01/31/2014
- 51/1051/CD, Amendment 1 to IEC 60556 Ed.2: Gyromagnetic materials intended for application at microwave frequencies- Measuring methods for properties, 03/14/2014
- 57/1423/DC, Proposed revision of IEC 61970-452 Edition 1: Energy Management System Application Program Interface (EMS-API) - Part 452: CIM Static Transmission Network Model Profiles, 01/17/2014
- 57/1426/DC, Proposed revision of IEC 61850-6 Ed. 2: Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs, 01/31/2014
- 91/1154/FDIS, IEC 61191-2 Ed.3: Attachment materials for electronic assembly - Part 1-2: Requirements for soldering pastes for high-quality interconnects in electronics assembly, 01/31/2014
- 91/1154A/FDIS, IEC 61190-1-2 Ed.3: Attachment materials for electronic assembly - Part 1-2: Requirements for soldering pastes for high-quality interconnects in electronics assembly, 01/31/2014
- 91/1156/PAS, IEC/PAS 61249-8-1 Ed.1: Qualification and Performance of Electrical Insulating Compound for Printed Wiring Assemblies, 02/14/2014
- 91/1157/PAS, IEC/PAS 61249-8-5 Ed.1: Qualification and Performance Specification of Permanent Solder Mask and Flexible Cover Materials, 02/14/2014
- 91/1158/DTR, IEC/TR 60068-3-12 Ed. 2.0: Environmental testing - Part 3-12: Supporting documentation and guidance - Method to evaluate a possible lead-free solder reflow temperature profile, 02/21/2014
- 100/2227/CDV, IEC 60728-7-1/Ed. 1/Amd.1: Cable networks for television signals, sound signals and interactive services - Part 7-1: Hybrid Fibre Coax Outside Plant status monitoring - Physical (PHY) layer specification, 03/21/2014
- 100/2246/FDIS, IEC 60728-1-2/Ed2: Cable networks for television signals, sound signals and interactive services - Part 1-2: Performance requirements for signals delivered at the system outlet in operation (TA 5), 01/31/2014
- 100/2247/FDIS, IEC 60728-10/Ed3: Cable networks for television signals, sound signals and interactive services - Part 10: System performance of return paths (TA5), 01/31/2014
- 100/2248/FDIS, IEC 60728-14/Ed1: Cable networks for television signals, sound and interactive services - Part 14: Optical return path systems using RFoG technology, 01/31/2014
- 100/2249/FDIS, IEC 60728-1-1/Ed2: Cable networks for television signals, sound signals and interactive services - Part 1-1: RF cabling for two way home networks, 01/31/2014
- 100/2250/FDIS, IEC 62481-4/Ed1: Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 4: DRM interoperability solutions (TA 9), 01/31/2014
- 100/2263/DTR, IEC/TR 62907/Ed.1: Use cases related to Ambient Assisted Living (AAL) in the field of audio, video and multimedia systems and equipment, 01/31/2014
- 100/2269/FDIS, IEC 60728-1/Ed.5: Cable Networks for Television Signals, Sound Signals and Interactive Services - Part 1: System performance of forward paths, 02/21/2014
- CISPR/1266/Q, Questionnaire on the extension of the term of office of three representatives of CISPR in ACEC, 01/31/2014
- CISPR/1266A/Q, Questionnaire on the extension of the term of office of three representatives of CISPR in ACEC, 01/31/2014
- SMB/5178/R, Report to the SMB following the meeting of the CISPR, International Special Committee on Radio Interference, and its Sub Committees, held in Ottawa, Canada, on 2013-09-24/30 and 2013 -10-01, 12/27/2013
- SMB/5179/R, Report to the SMB following the meeting of the IEC TC 106, Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure, held in Ottawa, Canada, on 2013-09-26, 12/27/2013
- SMB/5180/R, Report to the Standardization Management Board following the meeting of IEC TC 101, Electrostatics, held in Saint Petersburg, Russia on 2013-06-28, 12/27/2013
- SMB/5181/R, Report to the Standardization Management Board following the meeting of IEC TC 40, Capacitors and resistors for electronic equipment, held in New Delhi, India on 2013-10-18, 01/10/2014
- SMB/5182/R, Report to the Standardization Management Board following the meeting of IEC TC 119, Printed Electronics, held in San Diego, USA on 2013-02-22/23, 01/10/2014
- SMB/5183/R, Report to the Standardization Management Board following the meeting of TC 61, SC 61C and SC 61D held in in New Delhi, India on 2013-10-18/25, 01/10/2013
- SMB/5185/R, Report to the Standardization Management Board following the meeting of TC 91, Electronics Assembly Technology, held in Richardson, TX., USA, on 2013-10-11, 01/17/2014
- SMB/5186/R, Report to the Standardization Management Board following the meeting of TC 31, Equipment for explosive atmospheres, and SC 31M, held in New Delhi, India, on 2013-10 -23/25, 01/17/2014

SMB/5187/R, Report to the Standardization Management Board following the meeting of TC 55, Winding wires, held in New Delhi, India, on 2013-10-18, 01/17/2014

SMB/5188/QP, Extension of the Chairmanship's term for technical committee No. 31: Equipment for explosive atmospheres until October of 2015, 01/17/2014

SMB/5189/R, Report to the Standardization Management Board following the meetings of IEC TC 14, Power transformers, held in Milwaukee, USA on 2013-09-17/18, 01/17/2014

SMB/5190/R, Report to the Standardization Management Board following the meeting of TC 8, Systems aspects for electrical energy supply, held in Rome, Italy, on 2013-11-08, 01/17/2014

CIS/A/1053/FDIS, CISPR 16-2-1: Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements, 02/07/2014

CIS/A/1054/FDIS, Amendment 2 to CISPR 16-2-3: Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, 02/07/2014

CIS/I/463/FDIS, CISPR 35: Electromagnetic Compatibility of multimedia equipment - Immunity Requirements, 02/07/2014

CIS/A/1055/DC, Amendment 1 to CISPR 11 (f1): Measurement of radiated disturbances from medium size equipment in 3 m separation distance, 01/24/2014

CIS/A/1056/DC, Amendment 1 to CISPR 11 (f2): Measurement of radiated disturbances - Introduction of the FAR for use with CISPR 11 and determination of limits, 01/24/2014

CIS/B/601/CD, Amendment 1 to CISPR 11 (f1): Measurement of radiated disturbances from medium size equipment in 3 m separation distance, 03/14/2014

CIS/B/602/CD, Amendment 1 to CISPR 11 (f2): Measurement of radiated disturbances - Introduction of the FAR for use with CISPR 11 and determination of limits, 03/14/2014

CIS/H/264/DC, Amendment 1 to CISPR 11 (f1): Measurement of radiated disturbances from medium size equipment in 3 m separation distance, 01/24/2014

CIS/H/265/DC, Amendment 1 to CISPR 11 (f2): Measurement of radiated disturbances - Introduction of the FAR for use with CISPR 11 and determination of limits, 01/24/2014

CIS/A/1057/CD, Amendment 3 to CISPR 16-2-3: Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, 03/21/2014



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

NUCLEAR ENERGY (TC 85)

ISO/ASTM 52701:2013, Guide for performance characterization of dosimeters and dosimetry systems for use in radiation processing,
\$88.00

Proposed Foreign Government Regulations

Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

The INCITS Executive Board seeks to broaden its membership base and is recruiting new participants in the following membership categories:

- special interest (user, academic, consortia)
- non-business (government and major/minor SDOs)

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditations

ASC S1 – Acoustics; ASC S2 – Mechanical Vibration and Shock; ASC S3 – Bioacoustics (including SC1 on Animal Acoustics); ASC S12 – Noise

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditations of Accredited Standards Committees S1, Acoustics; S2, Mechanical Vibration and Shock; S3, Bioacoustics (including SC 1 on Animal Acoustics); and S12, Noise under their recently revised operating procedures for documenting consensus on ASC S1, S2, S3, and S12-sponsored American National Standards has been approved, effective December 27, 2013. For additional information, please contact the Secretariat of these ASCs: Ms. Susan Blaeser, Standards Manager, Acoustical Society of America, Standards Secretariat, 35 Pinelawn Road, Suite 114E, Melville, NY 11747; phone: 631.390.0215; e-mail: sblaeser@aip.org.

Reaccreditation

American Society of Civil Engineers (ASCE)

Comment Deadline: February 3, 2014

The American Society of Civil Engineers (ASCE), an ANSI Organizational Member, has submitted revisions to its currently accredited operating procedures for documenting consensus on ASCE-sponsored American National Standards, last reaccredited in 2010. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of ASCE's revised procedures or to offer comments, please contact: Mr. Paul Sgambati, Director, Codes and Standards, American Society of Civil Engineers, 1801 Alexander Bell Drive, Reston, VA 20191-4381; phone: 703.295.6297; e-mail: psgambati@asce.org. You may view/download a copy of the revisions during the public review period at the following URL: <http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised policies and procedures to ASCE by February 3, 2014, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org).

ANSI Accreditation Program for Third Party Product Certification Agencies

Initial Accreditation

Food Safety Net Services Certification & Audit (FSNS)

Comment Deadline: February 3, 2014

Lori Ernst - Director of Auditing Services
Food Safety Net Services Certification & Audit (FSNS)
199 W Rhapsody
San Antonio, Texas 78216
Phone: 888.525.9788
Fax: 210.525.1702
E-mail: lori.ernst@FSNS.com
Web: www.FSNS.com

On December 31st, 2013, the ANSI Accreditation Committee voted to approve a grant of Initial Accreditation to Food Safety Net Services Certification & Audit (FSNS) for the following scope:

BRC Global Standard for Food Safety

SQF Code 7th Edition

Processing:

Module 2: System elements

Module 9: GMP for pre-processing of animal products

Module 10: GMP for pre-processing of plant products

Module 11: GMP for processing of food products

Module 12: GMP for transport and distribution of food Products

Module 13: GMP for production of food packaging

Module 16: Requirements for SQF multi-site programs managed by a central

Please send your comments by February 3, 2014 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 43 – Acoustics and ISO/TC 43/SC 1 – Noise

ANSI has been informed by DS (Denmark), the ISO delegated secretariat, that they wish to relinquish the role of the secretariat. ISO/TC 43 and ISO/TC 43/SC 1 operates under the following scope:

Standardization in the field of acoustics, including methods of measuring acoustical phenomena, their generation, transmission and reception, and all aspects of their effects on man and his environment.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org.

Proposal for New ISO Standard

Knowledge Management Systems – Requirements

Comment Deadline: February 14, 2014

SII (Israel) has submitted to ISO the attached proposal for a new ISO standard on Knowledge Management Systems – Requirements, with the following scope statement:

This Standard sets the requirements for Knowledge Management systems in organizations and deals with the establishment and maintenance of Knowledge Management systems, instilling a culture of Knowledge Management and sharing in Knowledge Management solutions and in the manner of measuring the knowledge in organizations. The Standard is applicable for all types of business, private and public organizations, independent of the field of business and their size, and also for non-profit organizations.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, February 14, 2014.



**BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 62.2-2013**

Public Review Draft

**Proposed Addendum c to
Standard 62.2-2013, Ventilation and
Acceptable Indoor Air Quality in Low-Rise
Residential Buildings**

**First Public Review (November 2013)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

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

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
First Public Review Draft

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

FOREWORD

This proposed change aims to account for the difference between range hoods and other exhaust fans in kitchens in their ability to remove particles. Bathroom requirements are unchanged but have been provided by text rather than the previous table.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (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 c to 62.2-2013

Add the following definition to Section 3:

3. DEFINITIONS

kitchen, enclosed: a kitchen whose permanent openings to adjacent spaces do not exceed a total of 60 ft² (6 m²).

Revise Section 5 as shown below. The remainder of Section 5 is unchanged.

5. LOCAL EXHAUST

5.1 Local Mechanical Exhaust. A local mechanical exhaust system shall be installed in each ~~kitchen and bathroom as follows.~~ Each local ventilation system shall be either one of the following two:

- ~~a. a demand-controlled mechanical exhaust system meeting the requirements of Section 5.2 or~~
- ~~b. a continuous mechanical exhaust system meeting the requirements of Section 5.3.~~

a. Kitchens. Kitchens shall be provided with one of the following:

- A vented range hood (including appliance-range hood combinations) having a minimum exhaust capacity of 100 cfm (50 L/s) airflow.
- An exhaust fan in the kitchen (including downdraft) with a minimum capacity of 300 cfm (150 L/s).
- An exhaust fan in an enclosed kitchen with a minimum capacity of 5 air changes per hour based on kitchen volume.

b. Bathrooms. Bathrooms shall be provided with a minimum exhaust capacity of 50 cfm (25 L/s) demand-controlled airflow or 20 cfm (10 L/s) continuous airflow where the minimum delivered ventilation shall be at least the amount indicated averaged over each hour of operation.

Exception: *Alternative Ventilation.* Other design methods may be used to provide the required exhaust rates when approved by a licensed design professional.

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
First Public Review Draft

...

5.2.2 Ventilation Rate. The minimum airflow rating shall be at least the amount indicated in Table 5.1.

TABLE 5.1 Demand-Controlled Local Ventilation Exhaust Airflow Rates

Application	Airflow	Notes
Kitchen	100 cfm (50 L/s)	Vented range hood (including appliance range hood combinations) required if exhaust fan flow rate is less than 5 kitchen air changes per hour.
Bathroom	50 cfm (25 L/s)	

**TABLE 5.2
Continuous Local Ventilation Exhaust Airflow Rates**

Application	Airflow	Notes
Kitchen	5 ach	Based on kitchen volume.
Bathroom	20 cfm (10 L/s)	

...

5.3.2 Ventilation Rate. The minimum delivered ventilation shall be at least the amount indicated in Table 5.2 during each hour of operation.

...

Revise Section A3.1 as shown below. The remainder of Section A3 is unchanged.

A3. LOCAL EXHAUST

...

A3.1 Initial Room Airflow Deficit. The airflow deficit for each bathroom or kitchen is the required airflow from Table Section 5.1 less the airflow rating from Section A4.2 of the exhaust equipment. If there is no exhaust device or if the existing device can neither be measured nor rated, the exhaust device airflow shall be assumed to be zero. Kitchen exhaust deficits shall be based on a minimum exhaust requirement of 160 cfm.

Public Review Draft

Proposed Addendum ae to Standard 189.1-2011

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Second Public Review (January 2014)
(Independent Substantive Change)

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

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



BSR/ASHRAE/USGBC/IES Addendum ae to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
Second 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

This ISC is being issued to correct an oversight on the original public review draft of addendum ae, in which a small number of new words were not underlined to indicate their proposed addition to the standard. This ISC simply adds those words using the correct underlined format.

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

Addendum ae to 189.1-2011 - ISC

Modify the standard as follows (IP and SI Units)

8.4.2.2 Paints and Coatings. Products in this category include anticorrosive coatings, basement specialty coatings, concrete/masonry sealers, concrete curing compounds, dry fog coatings, faux finishing coatings, fire resistive coatings, flat and non-flat topcoats, floor coatings, graphic arts (sign) coatings, high temperature coatings, industrial maintenance coatings, low solids coatings, mastic texture coatings, metallic pigmented coatings, multi-color coatings, pre-treatment wash primers, primers, reactive penetrating sealers, recycled coatings, shellacs (clear and opaque), specialty primers, stains, wood coatings (clear wood finishes), stone consolidants, swimming pool coatings, tub and tile refinishing coatings, undercoaters, waterproofing membranes, wood preservatives, and zinc primers. Paints and coatings used on the interior of the building (defined as inside of the *weatherproofing system* and applied on-site) shall comply with either Section 8.4.2.2.1 or 8.4.2.2.2.

8.4.2.2.1 Emissions Requirements. Emissions shall be determined according to CDPH/EHLB/Standard Method V1.1 (commonly referred to as California Section 01350) and shall comply with the limit requirements for either office or classroom spaces regardless of the space type.

8.4.2.2.2 VOC Content Requirements. VOC content shall comply with and be determined according to the following limit requirements:

- a. Flat and non-flat topcoats, primers, undercoaters, and anticorrosive coatings: Section 3 of Green Seal Standard GS-11.
- b. Concrete/masonry sealers (waterproofing concrete/masonry sealers), concrete curing compounds, dry fog coatings, faux finishing coatings, fire resistive coatings, floor coatings, graphic arts (sign) coatings, industrial maintenance coatings, mastic texture coatings,

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- metallic pigmented coatings, multi-color coatings, pre-treatment wash primers, reactive penetrating sealers, recycled coatings, shellacs (clear and opaque), specialty primers, stains, wood coatings (clear wood finishes), wood preservatives, and zinc primers: California Air Resources Board Suggested Control Measure for Architectural Coatings or SCAQMD Rule 1113.
- c. Basement specialty coatings, high temperature coatings, low solids coatings, stone consolidants, swimming pool coatings, tub and tile refinishing coatings, and waterproofing membranes: California Air Resources Board Suggested Control Measure for Architectural Coatings.

Public Review Draft

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(Draft Shows Proposed Changes to Current Standard)

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FOREWORD

The purpose of this proposal is to ensure that 189.1-2014 is aligned with 90.1-2013 by updating the format of the Space-by-Space LPD (Lighting Power Density) Factor table that is used to determine how much to reduce the 90.1 LPDs when determining the 189.1 allowance. These changes do not result in any additional stringency beyond the requirements in 90.1; i.e., while the stringency of 90.1 has changed, the stringency of 189.1 beyond 90.1 has not changed. While the actual LPD Factors have not changed, the format changes were complex enough that the entire table is shown below for the sake of clarity. Section 7.4.6.1 has also been revised for clarity.

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Addendum ax - to 189.1-2011

Modify section 7.4.6.1 as follows:

7.4.6.1 Lighting Power Allowance. ~~The interior lighting power allowance shall be a maximum of the values determined in accordance with Sections 9.5 and 9.6 of ANSI/ASHRAE/IES Standard 90.1 multiplied by an LPD Factor specified in Table 7.4.6.1A for those areas where the Building Area Method is used and in Table 7.4.6.1B for those areas where the Space by Space Method is used. Control factors from Table 9.6.2 in ANSI/ASHRAE/IES Standard 90.1 shall not be used for the control methodologies required in this standard. The exterior lighting power allowance shall be a maximum of the values determined in accordance with Sections 9.4.3. of ANSI/ASHRAE/IES Standard 90.1 multiplied by the corresponding factor found in Table 7.4.6.1C. This requirement supersedes the requirements in Sections 9.4.3 of ANSI/ASHRAE/IES Standard 90.1.~~

7.4.6.1.1 Interior LPDs (Lighting Power Densities). The interior lighting power allowance shall be determined using either Section 9.5 or Section 9.6 of ANSI/ASHRAE/IES Standard 90.1 with the following modifications:

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a. For those areas where the Building Area Method is used, the LPD from Table 9.5.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1A.

b. For those areas where the Space-by-Space Method is used, the LPD from Table 9.6.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1B.

7.4.6.1.2 Exterior LPDs. The exterior lighting power allowance shall be determined using Section 9.4.3 of ANSI/ASHRAE/IES Standard 90.1 with the following modification. The LPDs from Table 9.4.3B of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the appropriate LPD Factor from Table 7.4.6.1C.

(B) Delete the current Table 7.4.6.1B and replace with the following:

Table 7.4.6.1B LPD (Lighting Power Density) Factors When Using the Space-by-Space Method

Common Space Types	
<u>Space Type</u>	<u>LPD Factor</u>
<u>Audience Seating Area</u>	
... in an auditorium	1.00
... in a convention center	1.00
... in a gymnasium	0.85
... in a motion picture theater	1.00
... in a penitentiary	1.00
... in a performing arts theater	1.00
... in a religious building	1.00
... in a sports arena	1.00
... in all other audience seating areas	1.00
<u>Classroom/Lecture Hall/Training Room</u>	
... in a penitentiary	1.00
... in all other classrooms/lecture halls/training rooms	0.85
<u>Conference/Meeting/Multipurpose Room</u>	0.90
<u>Corridor</u>	
... in a Facility for the Visually Impaired (and used primarily by residents)	1.00
... in a hospital	1.00
... in a manufacturing facility	1.00
... in all other corridors	0.85
<u>Courtroom</u>	0.85
<u>Dining Area</u>	
... in a penitentiary	1.00
... in a Facility for the Visually Impaired (and used primarily by residents)	1.00
... in Bar/Lounge or Leisure Dining	1.00
... in Cafeteria or Fast Food Dining	1.00
... in Family Dining	0.85

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... in all other Dining Areas	0.90
<u>Laboratory</u>	
... in or as a classroom	1.00
... in all other Laboratories	0.95
<u>Laundry/Washing Area</u>	0.95
<u>Lobby</u>	
... in a Facility for the Visually Impaired (and used primarily by residents)	1.00
... for an elevator	0.85
... in a hotel	1.00
... in a motion picture theater	0.95
... in a performing arts theater	1.00
... all other lobbies	0.95
<u>Lounge/Breakroom</u>	
... in a healthcare facility	0.85
... in all other Lounge/Breakrooms	0.85
<u>Office</u>	
... enclosed	0.95
... open plan	0.85
<u>Sales Area</u>	0.95
<u>All other 'Common Space Types'</u>	1.00
<u>Building-Type Specific Space Types</u>	
<u>Building-Type Specific Space Type</u>	<u>LPD Factor</u>
<u>Convention Center – Exhibit Space</u>	0.85
<u>Gymnasium/Fitness Center</u>	
... in an Exercise Area	0.85
... in a Playing Area	1.00
<u>Healthcare Facility</u>	
... in an Exam/Treatment Room	0.85
... in an Imaging Room	1.00
... in a Medical Supply Room	0.90
... in a Nursery	0.85
... in a Nurse's Station	0.90
... in an Operating Room	1.00
... in a Patient Room	0.90
... in a Physical Therapy Room	0.85
... in a Recovery Room	1.00
<u>Library</u>	
... in a Reading Area	1.00
... in the stacks	0.95
<u>Manufacturing Facility</u>	
... in a detailed manufacturing area	1.00
... in an Equipment Room	1.00
... in an Extra High Bay Area	1.00
... in a High Bay Area	0.85

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<u>... in a Low Bay Area</u>	<u>0.85</u>
<u>Transportation Facility</u>	
<u>... in a baggage/carousel area</u>	<u>0.90</u>
<u>... in an airport concourse</u>	<u>0.90</u>
<u>... at a terminal ticket counter</u>	<u>0.85</u>
<u>Warehouse – Storage Area</u>	
<u>... for medium to bulky, palletized items</u>	<u>0.85</u>
<u>... for smaller, hand-carried items</u>	<u>1.00</u>
<u>All other building-type specific space types</u>	<u>1.00</u>

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Foreword

This addendum modifies the demand control ventilation (DCV) requirements to make them more compatible with the DCV requirements in ANSI/ASHRAE/IES Standard 90.1, which have been modified by Addendum 'bs' to Standard 90.1. That addendum lowered the occupancy density threshold from 40 to 25 people per 1000 ft² (100 m²), which matches the criteria in Standard 189.1-2011.

This addendum inserts text specifying when DCV would be required in a very similar format as to how it is specified in Section 6.4.3.9 in Standard 90.1. However, modifications are made to the Standard 90.1 requirements to increase the stringency in this high performance building standard. These modifications include:

- Reducing the minimum design outdoor airflow threshold where DCV would be required from 3,000 cfm (1500 L/s) to 500 cfm (250 L/s).
- Reducing the minimum design outdoor airflow in the Exceptions to 200 cfm (100 L/s) from the 750 cfm (375 L/s) value that is in Standard 90.1 Section 6.4.3.9.
- Eliminating the exception in Standard 90.1 for multiple-zone systems without DDC of individual zones (Exception (b) of Section 6.4.3.9 of Standard 90.1).

Three additional definitions for the terms “automatic”, “makeup air” and “transfer air” are added to the Standard by reference to existing definitions to Standards 62.1 and 90.1.

The additional specifications for CO₂ sensors used as part of the DCV system have not been changed and are not part of the material open for public review. They are included only for clarity in understanding the entire DCV requirement.

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Addendum ay - to 189.1-2011

Add the following definitions to Section 3.

automatic: see ANSI/ASHRAE/IES Standard 90.1.

makeup air: see ANSI/ASHRAE Standard 62.1.

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transfer air: see ANSI/ASHRAE Standard 62.1.

Modify Section 7.4.3.2 as follows:

7.4.3.2 Ventilation Controls for Densely Occupied Spaces. The requirements in this section supersede those in Section 6.4.3.9 of ANSI/ASHRAE/IES Standard 90.1. Demand control ventilation (DCV) is required for shall be provided for densely occupied spaces-served by systems with one or more of the following:

- a. an air-side economizer.
- b. automatic modulating control of the outdoor air dampers.
- c. a design outdoor airflow greater than 500 cfm (250 L/s).

Exceptions:

- a. Systems with exhaust air energy recovery complying with Section 7.4.3.6.
- b. Systems with a design outdoor airflow less than 200 cfm (100 L/s).
- c. Spaces where more than 75% of the space design outdoor air flow is utilized as makeup air or transfer air to provide makeup air for other space(s).
- d. Spaces with one of the following occupancy categories as defined in ASHRAE Standard 62.1: Cells in Correctional Facilities; Daycare sickrooms; Science laboratories; Barber; Beauty and nail salons; and Bowling alley (seating).

~~This requirement supersedes the occupant density threshold in Section 6.4.3.9 of ANSI/ASHRAE/IES Standard 90.1.~~

The DCV system shall be designed to be in compliance with Section 6.2.7 of ANSI/ASHRAE Standard 62.1. Occupancy assumptions shall be shown in the design documents for spaces ~~required to have~~ provided with DCV. All CO₂ sensors used as part of a DCV system or any other system that dynamically controls outdoor air shall meet the following requirements:

- a. Spaces with CO₂ sensors or air sampling probes leading to a central CO₂ monitoring station shall ~~have be provided with at least~~ one sensor or probe for each 10,000 ft² (1000 m²) of floor space and. Sensors or probes shall be located in the room installed between 3 and 6 ft (1 and 2 m) above the floor.
- b. CO₂ sensors must be accurate to ± 50 ppm at 1000 ppm.
- c. Outdoor air CO₂ concentrations shall be determined by one of the following:
 1. Outdoor air CO₂ concentrations shall be dynamically measured using a CO₂ sensor located in the path of the outdoor air intake.
 2. When documented statistical data are available on the local ambient CO₂ concentrations, a fixed value typical of the location where the building is located shall be allowed in lieu of an outdoor sensor.
- d. Occupant CO₂ generation rate assumptions shall be shown in the design documents.

Public Review Draft

Proposed Addendum bb to Standard 189.1-2011

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Foreword

This addendum adds a new section to modify the U-factor requirements for high speed doors that open and close quickly compared to traditional doors, and are used in buildings where their operation will be frequent. In these cases, the energy saved by the high-speed opening and closure will offset the energy losses from the increased U-factor.

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

Addendum bb - to 189.1-2011

Modify section 3.2 as follows:

high speed door: a nonswinging door used primarily to facilitate vehicular access or material transportation, and having an automatic closing device with an opening rate of not less than 32 inches per second (810 mm per second) and a closing rate of not less than 24 inches per second (610 mm per second).

Modify section 7.4.2 as follows:

7.4.2 Building Envelope. The *building envelope* shall comply with Section 5 of ANSI/ASHRAE/IES Standard 90.1 with the following modifications and additions:

(7.4.2.1 through 7.4.2.6: No changes)

7.4.2.7 High Speed Doors. High speed doors that are intended to operate on average at least 75 cycles per day shall not exceed a maximum U-factor of 1.20 Btu/hr·ft²·°F (6.81 W/m²·K). Opening rate, closing rate, and average cycles per day shall be included in construction drawings. Sections 5.5.3.6 and 5.5.4.3 of ANSI/ASHRAE/IES Standard 90.1 shall not apply for high speed doors complying with all criteria in this section.

(renumber subsequent sections)

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FOREWORD

This revision to the building and fenestration orientation requirements simplifies those requirements and provides more flexibility. It also better aligns the Standard 189.1 format and requirements with those in Standard 90.1.

Analyses indicate that east and west facing fenestration increases building energy consumption compared to north and south facing glazing in all climates. Further, a reduction in SHGC for east- and west-facing orientation results in a reduction in energy consumption in all climate zones.

Compliance can be achieved by either limiting fenestration area or changing fenestration SHGC on the east and west façades.

A number of exceptions are provided. Exception (c) now includes permanent projections. New exceptions include one for buildings with less than 20% fenestration on the east and west facades and one for buildings in Climate Zone 8. Exception (b), related to existing buildings or infrastructure near the proposed building, has been removed because the same topic is also covered in the renumbered, existing exception (b) as well as the new exception (d).

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Addendum bc - to 189.1-2011

Modify section 7.4.2.8 as follows:

7.4.2.8 Fenestration Orientation. ~~To reduce solar gains from the east and west in climate zones 1 through 4 and from the west in climate zones 5 and 6, the~~ vertical fenestration area and SHGC shall comply with either (a) or (b) ~~the following requirements:~~

a. $A_W \leq (A_N + A_S)/4$ and $A_E \leq (A_N + A_S)/4$

b. $\frac{A_W \times SHGC_W}{6} \leq \frac{(A_N \times SHGC_C + A_S \times SHGC_C)}{6}$ and $A_E \times SHGC_E \leq \frac{(A_N \times SHGC_C + A_S \times SHGC_C)}{6}$

a. ~~For climate zones 1, 2, 3, and 4:~~

$$(A_N \times SHGC_N + A_S \times SHGC_S) \leq 1.1 \times (A_E \times SHGC_E + A_W \times SHGC_W)$$

b. ~~For climate zones 5 and 6:~~

$$1/3 \times (A_N \times SHGC_N + A_S \times SHGC_S + A_E \times SHGC_E) \leq 1.1 \times (A_W \times SHGC_W)$$

where

$SHGC_x$ = the SHGC for orientation x that complies with Section 7.4.2.6

$SHGC_C$ = the SHGC criteria for each climate zone from Section 7.4.2.1

A_x = fenestration area for orientation x

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- N* = north (oriented less than 45 degrees of true north)
S = south (oriented less than 45 degrees of true south)
E = east (oriented less than or equal to 45 degrees of true east)
W = west (oriented less than or equal to 45 degrees of true west)

Exceptions:

- a. *Vertical fenestration* that complies with the exception to Section 5.5.4.4.1 (c) of ANSI/ASHRAE/IES Standard 90.1.
- ~~b. Buildings that have an existing building or existing permanent infrastructure within 20 ft (6 m) to the south or north that is at least half as tall as the proposed building.~~
- b.e. Buildings with shade on 75% of the west- and east-oriented *vertical fenestration areas* from permanent projections, existing buildings, existing permanent infrastructure, or topography at 9 a.m. and 3 p.m. on the summer solstice. (June 21 in the northern hemisphere).
- ~~c.d. Alterations and additions with no increase in *vertical fenestration* area.~~
- d. Buildings where the west-oriented and east-oriented *vertical fenestration areas* do not exceed 20% of the *gross wall area* for each of those facades and the *SHGC* on those facades is not greater than 90% of the criteria in Section 7.4.2.1.
- e. Buildings in Climate Zone 8.

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FOREWORD

This addendum requires that the products of combustion from any equipment or system that is permanently installed indoors be vented to the outside. While some building codes and standards permit the products of combustion to be discharged indoors, for instance from unvented gas-fired appliances, those documents consist of minimum requirements as opposed to the high-performance goals of 189.1. For example, ASHRAE Standard 62.1 allows unvented appliances to be installed in accordance with manufacturer instructions. While the International Fuel Gas Code (IFGC) 2012 allows unvented room heaters, it prohibits them from being the sole source of comfort heating in a dwelling unit, limits them to an input rating of 40,000 Btu/h (11.7 kW) or less, and prohibits them in assembly, educational and institutional occupancies. It also has a limitation of 20 Btu/h per ft³ (207 W/m³) and requires an oxygen-depletion safety shut off system for room heaters.

This addendum would go beyond the minimum requirements in Standard 62.1 and the cited codes, per the purpose of the standard to provide requirements for high-performance green buildings. Combustion appliances emit water vapor, carbon dioxide, carbon monoxide, nitrogen dioxide, sulfur dioxide, particulates and other pollutants depending upon the specific fuel source and appliance characteristics. When installed and operated properly, contaminants from the unvented combustion appliances are not likely to exceed concentrations of concern listed in Appendix B-2 of ASHRAE Standard 62.1. However, they do contribute to the overall pollutant load in the building, thereby raising the indoor pollutant concentrations. In order for a building with unvented equipment to achieve air quality equal to that of a building without such equipment, additional ventilation and/or contaminant removal is required. Given the goals of ASHRAE 189.1 to achieve higher levels of indoor environmental quality performance and enhanced energy efficiency, increasing indoor pollutant levels and/or the energy needed for increased ventilation to control these levels are counter to those goals.

This addendum would make the provisions of Standard 189.1 similar to the IgCC (International Green Construction Code), which contains a prohibition against unvented appliances. This addendum applies to appliances, fixtures, components and systems in order to apply generally to anything that emits of products of combustion and contains an exception for direct-fired non-recirculating industrial heaters. The addendum also includes a requirement that cooking equipment in residential spaces comply with the exhaust requirements in ASHRAE Standard 62.2.

Finally, for every intended purpose of an unvented combustion appliance (e.g. heating and lighting), there is an alternative appliance providing the same amenity that is vented or does not involve combustion.

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Addendum be - to 189.1-2011

Modify section 8.3.1 as follows:

8.3.1.5 Exhaust Ventilation.

8.3.1.5.1 Vented Combustion. *Permanently installed* appliances shall have products of combustion vented to the outdoors.

Exception: Ovens and ranges in *residential* spaces.

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.

8.3.1.56 Building Entrances. ...

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FOREWORD

This addendum deletes the criterion for peak electricity use. The peak electricity requirement is deleted because of changes in the modeling rules for the fuel source of the baseline building. Previously, Appendix G of Standard 90.1 required that the baseline building have the same fuel source (electricity or fossil fuel) as the proposed building. The modeling rules change, however, in the 2013 version of the Standard 90.1 and the baseline and proposed buildings have different fuel sources under some circumstances. For example, it is possible that the baseline building could use natural gas for heating and/or water heating and the rated building could use electricity. In this case, it would be difficult or impossible to meet the criterion for peak electricity.

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Addendum bf to 189.1-2011

Modify section 7.5.4 as follows:

7.5.4 Annual Load Factor/Peak Electric Demand. ~~The building project shall have the same or less peak electric demand than achieved by compliance with Sections 7.3 and 7.4, and Sections 5.3.2.2, 5.3.2.3, 6.3.2, 6.4.2, 8.3.1, 8.3.4, and 8.4.1. Comparisons shall be made using Normative Appendix D provided that the baseline building design is calculated in accordance with Section 7.5.2. In addition, the building project shall have a minimum electrical annual load factor of 0.25.~~

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FOREWORD

This addendum adds a section on Site Inventory to the mandatory requirements of section 5 of the standard (Site Sustainability). This new section requires identification of plants that tend to benefit the local ecosystem (i.e., native plants) and plants that are detrimental to the local ecosystem (i.e. invasive plants). The assessment and inventory determines the category of plants to be either removed or retained as part of the landscape design.

The numbering of this section reflects addendum u, approved for publication, which added a new section 5.5.2 on Stormwater management.

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Addendum bh to 189.1-2011

Add new Section 5.3.3 as follows:

5.3.3 Pre-design Site Inventory and Assessment. A pre-design inventory and assessment of the natural resources of the *building project site* shall be submitted with the site design and construction documents. The inventory and assessment shall include all of the following:

- a. The location of any prohibited development areas identified in Section 5.3.1.2 that are located on, or adjacent to, the building project site;
- b. Identification of *invasive plant* species on the site;
- c. Identification of *native plant* species on the site;
- d. Identification of site features designated for preservation by the AHJ.

Renumber subsequent sections

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FOREWORD

This addendum updates Appendix D, which contains the modeling rules for the Performance Option for energy efficiency, to incorporate changes made to Appendix G in ANSI/ASHRAE/IES Standard 90.1. As in past versions of Appendix D, the requirements in Appendix G of Standard 90.1 are superseded, where appropriate, with requirements that reflect the requirements in the Prescriptive Option of Standard 189.1 in Section 7.4. In addition to section number reference updates, the following changes are made:

Documentation of the CO₂e calculation by end use is now required.

The new requirements in Standard 90.1 for modeling renewable, recovered, and purchased energy are superseded by the existing requirements in Section 15 of Table D1.1.

The equipment efficiency requirements in Standard 90.1 are superseded by the existing equipment efficiency requirements in Section 10 of Table D1.1.

The heat rejection device in the baseline building model must meet the equipment performance requirements in Table C-8.

This addendum is based on the assumption that Standard 189.1 will reference Standard 90.1-2013; there is a separate addendum in progress to make that change in the normative references of Standard 189.1.

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Addendum bi to 189.1-2011

Modify section Appendix D as follows:

NORMATIVE APPENDIX D— PERFORMANCE OPTION FOR ENERGY EFFICIENCY

D1. GENERAL

D.1.1 Performance Option Scope. *Building projects* complying with Section 7.5, the “Performance Option,” shall comply with the requirements in Normative Appendix G of ANSI/ASHRAE/IES Standard 90.1 with the following modifications and additions. When a requirement is provided in this appendix, it supersedes the requirement in ANSI/ASHRAE/IES Standard 90.1. This appendix shall be used both for *building projects* demonstrating compliance with the requirements of this standard and for *building projects* demonstrating performance that substantially exceeds the requirements of this standard. Where stated in Normative Appendix G of ANSI/ASHRAE/IES Standard 90.1, the rating authority or program evaluator shall be the AHJ.

Note to Adopting Authority: ASHRAE Standing Standard Project Committee 189.1 recommends that

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a compliance shell implementing the rules of a compliance supplement that controls inputs to and reports outputs from the required computer analysis program be adopted for the purposes of easier use and simpler compliance.

D1.1.1 Performance ~~Option~~ Rating Mandatory Requirements (Section G1.2.1 of ANSI/ASHRAE/IES Standard 90.1). In addition to the requirements in Section G1.2 of ANSI/ASHRAE/IES Standard 90.1, all requirements in Sections 5.3, 6.3, 7.3, 8.3, and 9.3 shall be met.

D.1.1.3 Documentation Requirements (Section G1.4 of ANSI/ASHRAE/IES Standard 90.1).

- a. In addition to the requirements in Section G1.4(d) of ANSI/ASHRAE/IES Standard 90.1, the documentation list shall include compliance with the requirements in Section 7.3.
- b. In addition to the requirements in Section G1.4(e) of ANSI/ASHRAE/IES Standard 90.1, the documentation list shall identify aspects that are less stringent than the requirements in Section 7.4.
- c. In addition to the requirements in Section G1.4(e) of ANSI/ASHRAE/IES Standard 90.1, the documentation list shall include a table with a summary of CO_2e by end use in the *proposed building performance*.

D1.1.4 Renewable, Recovered, and Purchased Energy.

On-site renewable energy systems and site recovered energy (Section G2.4.1 of ANSI/ASHRAE/IES Standard 90.1). The modeling requirements for *on-site renewable energy systems* in Section G2.4.1 of ANSI/ASHRAE/IES Standard 90.1 shall not apply and are superseded by Section 15 Renewable Energy Systems in Table D1.1.

Annual energy costs (Section G2.4.2 of ANSI/ASHRAE/IES Standard 90.1). Where *on-site renewable energy systems* or *site-recovered energy* are used, the *baseline building design* shall be modeled in accordance with the requirements in Section 15 Renewable Energy Systems in Table D1.1. The requirements for *baseline building design* energy source in Section G2.4.2 of ANSI/ASHRAE/IES Standard 90.1 shall not apply.

Renumber D1.1.4 Baseline HVAC System Type and Description as D1.1.5

D1.1.6 Equipment Efficiencies (Section G3.1.3.1 of ANSI/ASHRAE/IES Standard 90.1). Section G3.1.3.1 of ANSI/ASHRAE/IES Standard 90.1 is superseded by the requirements in Table D1.1 (10).

D1.1.57 Ventilation (Section G3.1.23.6 of ANSI/ASHRAE/IES Standard 90.1).

- a. Exception (1a) to Section G3.1.23.6 of ANSI/ASHRAE/IES Standard 90.1 shall be used only where *DCV* is not required by Section 7.4.3.2.
- b. Exception (3e) to Section G3.1.23.6 of ANSI/ASHRAE/IES Standard 90.1 shall not apply.

D1.1.68 Economizers (Section G3.1.23.7 of ANSI/ASHRAE/IES Standard 90.1).

- a. Outdoor air economizers shall be included in the baseline systems identified in Section G3.1.23.7 of ANSI/ASHRAE/IES Standard 90.1 for the climate zones and capacities specified in Table 7.4.3.34A.
- b. Exception (a) to Section G3.1.23.7 of ANSI/ASHRAE/IES Standard 90.1 shall not apply.

D1.1.72 System Fan Power (Section G3.1.23.10 of ANSI/ASHRAE/IES Standard 90.1).

- a. System fan brake horsepower shall be 10% less than the values calculated using ~~Table~~

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~~G3.1.2.9~~ Section G3.1.3.10 of ANSI/ASHRAE/IES Standard 90.1.

- b. Fan motor efficiency shall meet the requirements of Section 7.4.7.1.

D1.1.810 Exhaust Air Energy Recovery (Section G3.1.23.11 of ANSI/ASHRAE/IES Standard 90.1). Exhaust air energy recovery shall be modeled in the *baseline building design* as specified in Section 7.4.3.86.

D1.1.11 System-Specific Baseline HVAC System Requirements (Section G3.1.4 of ANSI/ASHRAE/IES Standard 90.1). Heat Rejection (Section G3.1.4.11 of ANSI/ASHRAE/IES Standard 90.1). In addition to the requirements in Section G3.1.4.11 of ANSI/ASHRAE/IES Standard 90.1, the heat rejection device shall meet the performance requirements in Table C-8.

D1.1.912 VAV Minimum Flow Setpoints (Section G3.1.34.13 of ANSI/ASHRAE/IES Standard 90.1). Zone minimum airflow setpoints shall be modeled as specified in Section 7.4.3.54.

Renumber D1.1.10 Building Performance Calculations as D1.1.13

**TABLE D1.1 Modifications and Additions to Table G3.1 of Appendix G
in ANSI/ASHRAE/IES Standard 90.1**

Proposed Building Performance	Baseline Building Performance
5. Building Envelope	
Exception (c) of Table G3.1 (5) shall be replaced with the following: The exterior roof surface shall be modeled using the solar reflectance and thermal emittance determined in accordance with Sections 5.3.2.3 and 5.3.2.4. Where test data are unavailable, the roof surface shall be modeled with a solar reflectance of 0.30 and a thermal emittance of 0.90.	<p>1. In addition to the requirements in Table G3.1 (5), the <i>baseline building design</i> shall comply with Section 7.4.2.</p> <p>2. If the <i>proposed design</i> does not comply with Section 7.4.2.8, then the fenestration area in the <i>baseline building design</i> shall be uniformly reduced until it complies. This adjustment is not required to be made when rotating the building as required in Table G3.1 (5.a).</p> <p>3. In addition to the requirements in Table G3.1 (5.d) and (5.eg), roof surfaces shall comply with Sections <u>5.3.2.3 and 5.3.2.4</u>.</p>

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FOREWORD

This addendum creates two optional performance paths for compliance with the energy requirements of Standard 189.1. Both performance options have criteria for both whole building total energy cost and equivalent carbon dioxide emissions (CO_{2e}).

Performance Option A. *This option uses the Performance Rating Method (Appendix G) of Standard 90.1-2013 and specifies a percent reduction of total energy cost. With this performance option, a single energy model may be used for compliance with Standard 90.1-2013, Standard 189.1, and energy performance programs that use the Standard 90.1-2013 Performance Rating Method.*

The percent reductions vary by building type. These variations by building type are due in part to the renewable energy requirement of Standard 189.1, which is specified in terms of roof area and does not vary with the energy intensity of the building. The impact of the renewable energy requirement is greatest for warehouses, for instance, which are typically one-story and have low energy intensity. Another factor in the variations is the ratio of non-regulated (process) energy use to total energy use. Buildings with high process energy have lower percent savings requirements, since the process energy is added to both the numerator and denominator of the ratio. A final factor is that the prescriptive requirements of Standard 189.1 apply unevenly to some building types. For instance, for high-rise apartments, the lighting requirements apply only to common spaces. Climate dependencies were also studied, but these are small and are not incorporated in the targets.

Performance Option B. *This performance option is similar to the existing performance procedure in Standard 189.1, whereby a baseline building is created which complies with the prescriptive requirements of 189.1. For both the energy cost and CO_{2e} criteria, the rated building is compared to this baseline and both the energy cost and the CO_{2e} must be lower. The procedures for this performance option are detailed in normative Appendix D of Standard 189.1.*

Addendum bj to 189.1-2011

Modify section 3.2 as follows:

Regulated Energy Use: Energy use defined as regulated energy use by ANSI/ASHRAE/IES Standard 90.1 plus energy used by building systems and components with requirements prescribed in Section 7.4.

Modify section 7.5 as follows:

7.5 Performance Option

7.5.1 General Comprehensive Performance Requirements. Projects shall comply with either Sections 7.5.2; or 7.5.3, and 7.5.4.

7.5.2 Performance Option A.

a. **Annual Energy Cost.** The proposed building performance shall be equal to or less than the baseline building performance multiplied by one minus the percentage reduction in Table 7.5.2(a) using the

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Performance Rating Method in Appendix G of ANSI/ASHRAE/IES Standard 90.1. On-site renewable energy systems in the proposed design shall be calculated using Table D.1 (15) of Appendix D. For mixed use buildings, the percent reduction shall be determined by weighting each building type by floor area.

- b. **Annual Carbon Dioxide Equivalent (CO₂e).** The proposed design shall have an annual CO₂e equal to or less than the annual CO₂e of the baseline building design multiplied by one minus the percentage reduction in Table 7.5.2(a) using the performance Rating Method in Appendix G of ANSI/ASHRAE/IES Standard 90.1. To determine the annual CO₂e for each energy source in the baseline building design and proposed design, the energy consumption shall be multiplied by the CO₂e emission factors from Table 7.5.2(b).

7.5.3 Performance Option B.

- a. **Annual Energy Cost.** The building project shall have an annual energy cost equal to or less than that achieved by compliance with Sections 7.3 and 7.4, and Sections 5.3.2.2, 5.3.2.3, 6.4.2, 8.3.1 and 8.4.1. Comparisons shall be made using Normative Appendix D.
- b. **Annual Carbon Dioxide Equivalent (CO₂e).** The building project shall have an annual CO₂e less than or equal to cost that achieved by compliance with Sections 7.3 and 7.4, and Sections 5.3.2.2, 5.3.2.3, 6.4.2, 8.3.1 and 8.4.1. Comparisons shall be made using Normative Appendix D ~~provided that the baseline building design is calculated in accordance with Section 7.5.2.~~ To determine the CO₂e value for each energy source in the baseline building design and proposed design supplied to the building project, multiply the energy consumption shall be multiplied by the emissions factor. CO₂e emission factors shall be taken from Table 7.5.32(b).

TABLE 7.5.2(a) Performance Option A: Energy Cost and CO₂e Reductions

<u>Building Type</u>	<u>Percent Reduction</u>
<u>Apartments</u>	<u>10%</u>
<u>Restaurants</u>	<u>5%</u>
<u>Lodging</u>	<u>12%</u>
<u>Semi-heated Warehouses (Note 1)</u>	<u>45%</u>
<u>Other (Note 2)</u>	<u>24%</u>

Note 1. Conditioned warehouses shall use the “Other” category.

Note 2. When the modeled energy use that is not regulated energy use exceeds 35% of the total proposed building energy use, the reduction shall be calculated using the following equation: Percent reduction = 0.55 – 0.99 x Percent Non-Regulated Energy. The reduction shall be no lower than 5%.

Renumber Table 7.5.3 as Table 7.5.2(b).

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Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

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Annex A⁴

(normative) (informative)

Materials review and qualification methods

Reason: This annex was intended to be normative and was incorrectly updated in 2012 to informative. The requirements below are shown for reference only and are not changed in any way.

A.1 Purpose

The purpose of these methods is to document that the materials used in contact with pool or spa/hot tub (product) water do not impart undesirable levels of contaminants or color to the product water.

It is recognized that the product water is not intended for human consumption; that it is not feasible or cost-effective to identify every contaminant that might be contributed to the product water; and that there may not be complete toxicological information available on each contaminant identified. Therefore, these methods are designed to:

- determine from the material formulation those contaminants of toxicological concern likely to be contributed to the product water;
- determine the general level of contaminants contributed to the product water by the material, using screening tests; and
- determine the levels of specific contaminants, particularly regulated metals and organics, contributed to the product water by the material.

A.2 Formulation review

Where required for conformance to 3.2, complete material formulation information shall be reviewed to determine whether a material is suitable for contact with the product water, to assess the potential for contaminants to be contributed to the product water from the material, to determine whether extraction testing is warranted, and to select the appropriate extraction testing parameters.

A.3 Exposure testing

A.3.1 General description

⁴ The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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When extraction testing is warranted based on a material formulation, a multiple exposure procedure shall be followed. Under this procedure, material samples shall be submerged for specific durations in water having defined characteristics (exposure water). Upon completion of the exposures, the water (extraction water) shall be analyzed for the selected contaminants of concern. The contaminant concentrations observed shall be normalized to represent exposure conditions in the field. The normalized concentration (estimated exposure level or remove this statement) shall be compared to an established maximum contaminant level or a level of toxicological concern for drinking water. Chemical feeders and generators may be tested according to the requirements of NSF/ANSI 61 utilizing tap water and the manufacturer's recommended chemicals, or specific components requiring testing may be evaluated to this annex.

A.3.2 Selection of parameters for exposure testing

The selection of potential contaminants for which testing is warranted shall be based on the review of the material formulation, the toxicological significance of the ingredients, and the likelihood of their migration. Analysis for phenolic substances and total organic carbon (TOC) may be used as screening tests to determine whether additional testing is warranted for specific potential contaminants. Exposure testing may also be conducted to determine whether a material may impart color to water.

A.3.3 Exposure water

The condition of exposure water shall be based on the nature of the contaminant of concern. Exposure water having the following characteristics shall be prepared (note that parameters, especially temperature, may change during the exposure period):

	Extraction of metals/inorganics	Extraction of organics
pH range	7.2-7.4	7.2-7.4
chlorine	2.0 ± 0.2 mg/L	0.0 mg/L
hardness (as CaCO ₃)	150 ± 10 mg/L	150 ± 10 mg/L
Temperature	100 ± 10 °F (38 ± 5 °C)	100 ± 10 °F (38 ± 5 °C)

A.3.4 Exposure conditions

Samples shall be exposed to exposure water in three successive intervals according to the following schedule:

1	24 ± 1 h
2	24 ± 1 h
3	72 ± 4 h

After each of the first two exposure periods, the extraction water shall be discarded and the sample exposed to fresh exposure water. The extraction water from the third exposure interval shall be analyzed for the selected contaminants. All exposures shall be conducted at an ambient air temperature of 73 ± 3 °F (23 ± 2 °C).

A.3.5 Ratio of sample surface area to exposure water volume

When material or component samples are evaluated the ratio of the sample surface area to the volume of exposure water shall be 1000 in² (6500 cm²) to 1 gal (4 L).

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Filtration, and adsorption medias shall be exposed at the manufacturer's recommended use ratio of weight of media per unit void volume.

Precoat media shall be exposed at 10 times the manufacturer's recommended use ratio.

A.3.6 Analytical methods

Analyses of extraction water shall be conducted in accordance with the procedures in the following:

- APHA, *Standard Methods for the Examination of Water and Wastewater*;
- USEPA-600/4-79-020, *Methods for Chemical Analysis of Water and Wastes*;
- USEPA, *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1*; or
- USEPA, *Methods for the Determination of Inorganic Substances in Environmental Samples*.

A.3.7 Normalization

The normalized extraction level for a contaminant shall be calculated by $C_F = C_L (SA_F/V_F) (V_L/SA_L)$; where:

C_F = Contaminant concentration in field
 C_L = Contaminant concentration in lab
 SA_F = Surface area of material in the field
 SA_L = Surface area of material in the lab
 V_F = Volume of water in the field
 V_L = Volume of water in the lab

If the surface area to volume ratio in the field is not known the normalized extraction level is calculated by dividing the concentration in the extraction water by a factor of 10. This is based on the assumption that the worst case surface area to volume ratio of the material is 25 in²/L. All medias shall be normalized to the manufacturer's recommended use ratio.

A.3.8 Acceptance criteria

The normalized extraction concentration of a potential contaminant shall not exceed the Total Acceptable Concentration (TAC) established by NSF/ANSI 61.

The color rating of the extraction water, as determined in accordance with APHA Standard Method 2120B, shall not exceed that of the exposure water (control).

Certification listings and manufacturer's literature for swimming pool materials (excluding components and devices) shall contain surface area to volume restrictions associated with the evaluation.

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A300 (Part 4) Draft 3 Version 1 Public Review Draft

for Tree Care Operations —
Tree, Shrub, and Other Woody Plant Management —
Standard Practices (*Lightning Protection Systems*)

This revision draft is not approved for trial, model, or sample use, or any other form of incorporation or implementaion.

Secretariat
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Published by



Tree Care Industry Association, Inc.
136 Harvey Rd Ste 101
Londonderry, NH 03053
1-800-733-2622
603-314-5380
Fax: 603-314-5386
Email: rrouse@tcia.org

Web: www.tcia.org

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Table A-2.3 Lightning strike susceptibility of non-protected, temperate zone trees.

Annex

- A Tree lightning protection systems information**
- B Tree lightning protection system flowchart**
- C Tree lightning protection system inspection process**

Foreword (This foreword will not be considered part of American National Standard A300 Part 4-20xx Lightning Protection Systems when approved.)

ANSI A300 Standards are divided into multiple parts, each focusing on a specific aspect of woody plant management (e.g. Pruning, Soil Management, Supplemental Support Systems, etc).

These standards are used to develop written specifications for work assignments. They are not intended to be used as specifications in and of themselves. Management objectives may differ considerably and therefore must be specifically defined by the user. Specifications are then written to meet the established objectives and must include measurable criteria.

ANSI A300 standards apply to professionals who provide for, or supervise the management of, trees, shrubs, and other woody landscape plants. Intended users include businesses, government agencies, property owners, property managers, and utilities. The standard does not apply to agriculture, horticultural production, or silviculture, except where explicitly noted otherwise.

ANSI A300 standards are developed by the Tree Care Industry Association (TCIA), an ANSI-accredited Standards Developing Organization (SDO). TCIA is secretariat of the ANSI A300 standards, and develops standards using procedures accredited by the American National Standards Institute (ANSI).

Consensus for standards writing is developed by the Accredited Standards Committee on Tree, Shrub, and Other Woody Plant Management Operations – Standard Practices, A300 (ASC A300).

Prior to 1991, various industry associations and practitioners developed their own standards and recommendations for tree care practices. Recognizing the need for a standardized, scientific approach, green industry associations, government agencies and tree care companies agreed to develop consensus for an official American National Standard.

The results – ANSI A300 standards – unify and take authoritative precedence over all previously existing tree care industry standards. ANSI requires that approved standards be developed according to accepted principles, and that they be reviewed and, if necessary, revised every five years.

TCIA was accredited as a standards developing organization with ASC A300 as the consensus body on June 28, 1991. ASC A300 meets regularly to write new, and review and revise existing, ANSI A300 standards. The committee includes industry representatives with broad knowledge and technical expertise from residential and commercial tree care, utility, municipal and federal sectors, landscape and nursery industries, and other interested organizations.

The 30-day public review period for the noted item in this draft runs from January 3, 2013 through February 2, 2014. This document is not approved as a draft for trial use. Official public comments or information requests regarding this document must be forwarded to: rrouse@tcia.org, A300 Secretary, c/o Tree Care Industry Association, Inc., 136 Harvey Road - Suite 101, Londonderry, NH, 03053. Responses will be provided. Comments may be forwarded to ASC A300 members, however comments that are forwarded only to ASC A300 members may not be recorded as official comments and a response may not be provided. After the public review period, the Part 4 draft may be submitted to ANSI by TCIA and the ANSI-accredited Standards Committee A300 (ASC A300). Committee approval of the standard will not necessarily imply that all committee members voted for its approval.

The ASC A300 committee had the following members as of October 1, 2013:

Dane Buell, Chair
(SavATree, Inc.)

Bob Rouse, Secretary
(Tree Care Industry Association, Inc.)

Organizations Represented

Name of Representative

Alliance for Community Trees
American Nursery and Landscape Association

American Society of Consulting Arborists

American Society of Landscape Architects
Asplundh Tree Expert Company

Bartlett Tree Expert Company

Davey Tree Expert Company

International Society of Arboriculture

Professional Grounds Management Society

Professional Land Care Network

Society of Municipal Arborists

Tree Care Industry Association

USDA Forest Service

Utility Arborist Association

Carrie Gallagher
Warren Quinn
Craig J. Regelbrugge (Alt.)
Stephen Miller
Donald Godi (Alt.)
Ron Leighton
Geoff Kempter
David Johnson (Alt.)
Peter Becker
Dr. E. Thomas Smiley (Alt.)
Chris Klimas
Grant Jones (Alt.)
Dr. Richard Hauer
Sharon Lilly (Alt.)
Gene Pouly
Michael Bova (Alt.)
Alice Carter
Tom Delaney (Alt.)
Nolan Rundquist
Gordon Mann (Alt.)
Tom Mugridge
Steve Mays Jr. (Alt.)
Keith Cline
Ed Macie (Alt.)
William T. Rees
Matthew Simons (Alt.)

Additional organizations and individuals:

Wayne Dubin (Observer)
Andy Hillman (Observer)
Myron Laible (Observer)
Guy Meilleur (Observer)
Beth Palys (Observer)
Dr. Richard Rathjens (Observer)
Richard Roux (NFPA-780 Liaison)
Brittany Giffords (Observer)

Mission: To develop consensus performance standards for the professional management of trees, shrubs and other woody plants.

Vision: ANSI A300 standards will be the foundation for work specifications, training materials, quality protocols, and regulations for the management of trees, shrubs, palms, and other woody plants.

30-day Public Review item

In subsection **43.6 *Installation practices*, 43.6.1 *Above-ground system***, an exception was removed from the following subclause, as indicated by strikethrough text:

43.6.1.4 No bend of a conductor shall form an included angle of less than 90 degrees or have a radius of bend less than 8 inches (20 cm), ~~other than at a ground rod.~~

DRAFT - Not for Use

BSR/UL 83, Standard for Safety for Thermoplastic-Insulated Wires and Cables**1. Proposed New Edition of UL 83****PROPOSAL*****5.13 Weather resistance (optional)***

To be marked SR, the insulation of a single wet-rated conductor having no outer jacket or covering, the outer jacket of a multiconductor cable, and the insulation and nylon covering of nylon-covered conductors of a completed single wire or a multiconductor cable shall retain at least 80 percent of their unconditioned tensile strength and elongation values, after conditioning in a specified weather-resistance apparatus. The rate of separation shall be 0.85 mm/s (2 in/min) for the testing of the nylon covering.

In the United States and Mexico, the conditioning shall be 720 h.

In Canada, the conditioning shall be 1000 h.

Compliance shall be determined in accordance with the applicable clauses of the test, Physical Properties - Weather (sunlight) resistance, in UL 2556, CSA C22.2 No. 2556, or NMX-J-553-ANCE.



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*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET.

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1	12/17/2013	12/23/2013	Jan-3	2/2/2014	2/17/2014	3/4/2014
2	12/24/2013	12/30/2013	Jan-10	2/9/2014	2/24/2014	3/11/2014
3	12/31/2013	1/6/2014	Jan-17	2/16/2014	3/3/2014	3/18/2014
4	1/7/2014	1/13/2014	Jan-24	2/23/2014	3/10/2014	3/25/2014
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12	3/4/2014	3/10/2014	Mar-21	4/20/2014	5/5/2014	5/20/2014
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26	6/10/2014	6/16/2014	Jun-27	7/27/2014	8/11/2014	8/26/2014
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