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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](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: March 15, 2015

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

#### Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1a-200x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum clarifies the location of CO2 sensors to determine the outdoor air concentration with using demand control ventilation.

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

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

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

#### Addenda

BSR/ASHRAE/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 189.1-2014)

This addendum requires that products of permanently installed combustion appliances be vented to the outside.

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

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

### UL (Underwriters Laboratories, Inc.)

#### New Standard

BSR/UL 330A-201x, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (new standard)

The following is being recirculated: (1) Revision to the Long-Term Exposure Test for Hose and Hose Assemblies, Section 30.

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

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

### UL (Underwriters Laboratories, Inc.)

#### New Standard

BSR/UL 330B-201x, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (new standard)

The following is being recirculated: (1) Revision to the Long-Term Exposure Test for Hose and Hose Assemblies, Section 27.

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

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

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 183-201x, Standard for Safety for Manufactured Wiring Systems (revision of ANSI/UL 183-2013)

This recirculation proposal provides revisions to the UL 183 proposal dated 12-5-14.

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

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

## Comment Deadline: March 30, 2015

### AAMI (Association for the Advancement of Medical Instrumentation)

#### Reaffirmation

BSR/AAMI/ISO 13408-3-2012 (R201x), Aseptic processing of health care products - Part 3: Lyophilization (reaffirmation of ANSI/AAMI/ISO 13408-3-2006 (R2012))

Specifies requirements for and offers guidance on equipment, processes, programs, and procedures for the control and validation of lyophilization as an aseptic process. It does not address the physical/chemical objectives of a lyophilization process.

Single copy price: 60.00 (AAMI Members)/\$100.00 (list)

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

Order from: [www.aami.org](http://www.aami.org)

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

### AAMI (Association for the Advancement of Medical Instrumentation)

#### Reaffirmation

BSR/AAMI/ISO 15223-02/Ed.1-2010 (R201x), Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation (reaffirmation of ANSI/AAMI/ISO 15223-2-2010)

Specifies a process for developing, registering, and validating symbols for use in the labeling of medical devices.

Single copy price: 60.00 (AAMI Members)/\$100.00 (list)

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

Order from: [www.aami.org](http://www.aami.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Will Vargas, (703) 647-2779, [wvargas@aami.org](mailto:wvargas@aami.org)

### ADA (American Dental Association)

#### Reaffirmation

BSR/ADA Specification No. 102-1998 (R201x), Non-Sterile Nitrile Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 102-1998 (R2010))

This specification covers non-sterile nitrile gloves suitable for dentistry that do not contain any natural rubber latex.

Single copy price: \$40.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 103-2010 (R201x), Non-Sterile Poly Vinyl Chloride Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 103-2001 (R2010))

This specification covers non-sterile poly vinyl chloride gloves suitable for dentistry.

Single copy price: \$40.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 105-2010 (R201x), Orthodontic Elastomeric Materials (reaffirmation of ANSI/ADA Specification No. 105-2010)

This specification is applicable to all elastomeric auxiliaries including orthodontic elastics, elastomeric bands, chains, links, thread, and ligatures used for orthodontics both inside and outside the mouth, in conjunction with fixed and removable appliances.

Single copy price: \$57.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 23-1982 (R201x), Dental Excavating Burs (reaffirmation of ANSI/ADA Specification No. 23-1982 (R2010))

This specification establishes the requirements for burs suitable for use with straight and angle dental handpieces.

Single copy price: \$56.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 48-2-2009 (R201x), LED Curing Lights (reaffirmation of ANSI/ADA Specification No. 48-2-2010)

This specification details requirements and test methods for powered polymerization activators with light-emitting diodes (LED) in the blue wavelength region intended for chair-side use in polymerization of dental polymer-based restorative materials.

Single copy price: \$57.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 48-2009 (R201x), Visible Light Curing Units (reaffirmation of ANSI/ADA Specification No. 48-2004 (R2009))

The standard specifies requirements, recommendations and methods of test for dental operator's stools as well as requirements for manufacturer's instructions, marking, and packaging. It covers also recommendations to manufacturer's on the design of tools.

Single copy price: \$75.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 69-2010 (R201x), Dental Ceramic (reaffirmation of ANSI/ADA Specification No. 69-2010)

This standard specifies the requirements and the corresponding test methods for dental ceramic materials for fixed all-ceramic and metal-ceramic restorations and prostheses.

Single copy price: \$116.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 74-2010 (R201x), Dental Operator's Stool (reaffirmation of ANSI/ADA Specification No. 74-2010)

This specification sets forth requirements, recommendations and test methods for the operator's stool in the dental office as well as requirements for the manufacturer's instructions for use and for marking and packaging. It also covers recommendations to manufacturers on the design of operator's stools.

Single copy price: \$65.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

**ADA (American Dental Association)****Reaffirmation**

BSR/ADA Specification No. 76-2005 (R201x), Non-Sterile Natural Rubber Latex Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 76-2005 (R2010))

This specification covers non-sterile natural rubber latex gloves suitable for dentistry.

Single copy price: \$40.00

Obtain an electronic copy from: [standards@ada.org](mailto:standards@ada.org)

Order from: Kathy Medic, (312) 440-2533, [medick@ada.org](mailto:medick@ada.org)

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

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

### *New Standard*

BSR/ASHRAE Standard 90.4p-201x, Energy Standard for Data Centers and Telecommunications Buildings (new standard)

The purpose of this Standard was created to regulate the energy consumption of data centers; while being more flexible and accommodating of innovative changes, which rapidly occur in the data center design, construction, and operations.

Single copy price: \$35.00

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

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

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

### *Reaffirmation*

BSR/ASHRAE Standard 118.2-2006, Method of Testing for Rating Residential Water Heaters (reaffirmation of ANSI/ASHRAE Standard 118.2-2006)

The purpose of this standard is to provide test procedures for rating the efficiency and hot-water delivery capabilities of directly heated residential water heaters.

Single copy price: \$35.00

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

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

## ASSE (ASC Z359) (American Society of Safety Engineers)

### *Revision*

BSR/ASSE Z359.6-201X, Specifications and Design Requirements for Active Fall Protection Systems (revision of ANSI/ASSE Z359.6-2009)

This standard is intended for engineers with expertise in designing fall protection systems. It specifies requirements for the design and performance of complete active fall protection systems, including travel restraint and vertical and horizontal fall arrest systems.

Single copy price: \$50.00

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Order from: Timothy Fisher, (847) 768-3411, [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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

## HI (Hydraulic Institute)

### *Revision*

BSR/HI 9.6.2-201x, Rotodynamic Pumps for Assessment of Applied Nozzle Loads (revision of ANSI/HI 9.6.2-2011)

This standard includes recommendations for assessment of applied nozzle loads for the following pump types. When specified by the user, pumps supplied shall conform to these requirements.

Single copy price: \$80.00

Obtain an electronic copy from: [mzolnick@pumps.org](mailto:mzolnick@pumps.org)

Order from: Matthew Zolnick, (973) 267-9700 x116, [mzolnick@pumps.org](mailto:mzolnick@pumps.org)

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

## IKECA (International Kitchen Exhaust Cleaning Association)

### *New Standard*

BSR/IKECA-I10-201x, Standard for the Methodology for Inspection of Commercial Kitchen Exhaust Systems (new standard)

This standard shall provide minimum requirements for inspecting commercial kitchen exhaust systems and system components for mechanical conditions, structural integrity, fire safety, and cleanliness levels.

Single copy price: Free

Obtain an electronic copy from: [gmarinilli@fernley.com](mailto:gmarinilli@fernley.com)

Order from: Gina Marinilli, (215) 564-3484 x2238, [gmarinilli@fernley.com](mailto:gmarinilli@fernley.com)

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

## NECA (National Electrical Contractors Association)

### *Revision*

BSR/NECA/NEMA 605-201X, Standard for Installing Underground Nonmetallic Utility Duct (revision and redesignation of ANSI/NECA 605-2005)

This guideline covers recommendations for the selection, handling and installation of underground single bore rigid nonmetallic conduit (RNC) or raceway for power, lighting, signaling, and communications applications. For the purposes of this guideline, Rigid nonmetallic conduit (RNC) or raceway refers to HDPE, PE, PVC, or RTRC conduit and duct. Corrugated coilable utility duct is not covered in this guideline; details on storage, handling, and installation are covered in NEMA TCB-3.

Single copy price: \$40.00

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Order from: Sofia Arias, (301) 215-4549, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

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

## PGMA (Portable Generator Manufacturers Association)

### *New Standard*

BSR/PGMA 300-201x, Safety and Performance of Portable Generators (new standard)

This standard applies to 15 kW or smaller; single-phase; 300 V or lower; 60 hertz; gasoline-, liquefied petroleum gas (LPG)-, and diesel-engine-driven portable generators intended for multiple use and intended to be moved, though not necessarily with wheels. Permanent stationary generators, 50-hertz generators, marine generators, trailer-mounted generators, generators in motor homes, generators intended to be pulled by vehicles, engine-driven welding power sources and portable generators with AC output circuits that are not compatible with NEMA receptacles are not covered.

Single copy price: Free

Obtain an electronic copy from: [jharding@thomasamc.com](mailto:jharding@thomasamc.com)

Order from: Joseph Harding, (216) 241-7333, [jharding@thomasamc.com](mailto:jharding@thomasamc.com)

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

## **TAPPI (Technical Association of the Pulp and Paper Industry)**

### **Reaffirmation**

BSR/TAPPI T 213 om-2010 (R201x), Dirt in pulp - Chart method (reaffirmation of ANSI/TAPPI T 213 om-2010)

This method is adapted to the numerical estimation of dirt in pulp and recycled pulp in terms of equivalent black area.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

## **TIA (Telecommunications Industry Association)**

### **New National Adoption**

BSR/TIA 455-225-201x, FOTP-225 IEC 61745 End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (identical national adoption of IEC 61745)

This standard addresses the calibration of measurements made on single-mode fibres only; however, this type of test set may also be used to measure the geometrical parameters of the cores of multimode fibres, but evaluation of uncertainties associated with these measurements is beyond the scope of this standard.

Single copy price: \$103.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: Telecommunications Industry Association (TIA), [standards@tiaonline.org](mailto:standards@tiaonline.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

## **TIA (Telecommunications Industry Association)**

### **New National Adoption**

BSR/TIA 455-231-201x, FOTP-231 IEC 61315 - Calibration of Fibre-Optic Power Meters (identical national adoption of IEC 61315)

This international standard is applicable to instruments measuring radiant power emitted from sources which are typical for the fibre-optic communications industry. The standard describes the calibration of power meters to be performed by calibration laboratories or by power meter manufacturers.

Single copy price: \$116.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: Telecommunications Industry Association (TIA), [standards@tiaonline.org](mailto:standards@tiaonline.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

### **Revision**

BSR/UL 987-201x, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2013)

(1) Proposed addition of active injury mitigation system (AIMS) requirements for table saws.

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](mailto:psa@ansi.org)) to: Beth Northcott, (847) 664-3198, [Elizabeth.Northcott@ul.com](mailto:Elizabeth.Northcott@ul.com)

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

### **Revision**

BSR/UL 1077-201x, Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (revision of ANSI/UL 1077-2013)

(1) Addition of requirements for field wiring terminals for supplementary protectors; (2) Clarification of the test method for the Overvoltage Test for Undervoltage Protectors/Accessories; (3) Revision of the requirement for the test conductor length; (4) Addition of requirements for DC-rated protectors with poles wired in series; (5) Additional requirements for other protective types and accessories; (6) Editorial corrections.

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](mailto:psa@ansi.org)) to: Patricia Sena, (919) 549-1636, [patricia.a.sena@ul.com](mailto:patricia.a.sena@ul.com)

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

### **Revision**

BSR/UL 2595-201x, Standard for General Requirements for Battery-Powered Appliances (revision of ANSI/UL 2595-2013a)

The proposed bi-national standard resulting in the 2nd edition, including the following changes: (a) Revisions to add references to the applicable CSA standards; (b) New and clarified definitions; (c) Clarifications and new requirements for markings and instructions; (d) Clarification of requirements for harnesses; (e) Clarification that all cells shall comply with the requirements of UL 62133; and (f) Revision of indent G instructions providing guidance that the end product standard be revised to also include a statement that UL 2595 functional safety requirements for an electronic safety control circuit fulfills the requirements of the end-product 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](mailto:psa@ansi.org)) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@ul.com](mailto:Amy.K.Walker@ul.com)

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

BSR/UL 60745-2-13-201x, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-13: Particular Requirements for Chain Saws (revision of ANSI/UL 60745-2-13-2014)

(1) Proposed addition of Annex 101.DVA as a national difference applicable in the U.S. only to specify requirements for the evaluation of battery-operated top-handle chain saws; (2) Proposed addition of Annex 101.DVB as a national difference to specify requirements for the evaluation of battery-operated pruner saws.

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](mailto:psa@ansi.org)) to: Beth Northcott, (847) 664-3198, [Elizabeth.Northcott@ul.com](mailto:Elizabeth.Northcott@ul.com)

**VC (ASC Z80) (The Vision Council)****New Standard**

BSR Z80.29-201x, Accomodative Intraocular Lenses (new standard)

This standard applies to any ocular implant whose primary indication is the correction of aphakia and is designed to provide vision over a continuous range of distances by affecting a change in the vergence power of the eye resulting from the implant design that changes eye optical power or implant position in response to a stimulus. For the purposes of this standard, these implants are referred to as accommodative intraocular lenses (AIOLs).

Single copy price: \$65.00

Obtain an electronic copy from: [arobinson@thevisioncouncil.org](mailto:arobinson@thevisioncouncil.org)

Order from: Amber Robinson, (703) 740-1094, [arobinson@thevisioncouncil.org](mailto:arobinson@thevisioncouncil.org)

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

**Comment Deadline: April 14, 2015****ANS (American Nuclear Society)****Revision**

BSR/ANS 6.6.1-201x, Calculation and Measurement of Direct and Scattered Radiation from LWR Nuclear Power Plants (revision of ANSI/ANS 6.6.1-1987 (R2007))

This standard defines calculational requirements and discusses measurement techniques for estimates of dose rates near light water reactor (LWR) nuclear power plants due to direct and scattered gamma-rays from contained sources on-site. On-site locations outside plant buildings and locations in the offsite unrestricted area are considered. The standard includes normal operation and shut-down conditions but does not address accident or normal operational transient conditions.

Single copy price: \$20.00

Obtain an electronic copy from: [scook@ans.org](mailto:scook@ans.org)

Order from: [scook@ans.org](mailto:scook@ans.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [pschroeder@ans.org](mailto:pschroeder@ans.org)

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

BSR/UL 1088-201X, Standard for Safety for Temporary Lighting Strings (new standard)

The following changes in requirements to the Standard for Temporary Lighting Strings, UL 1088/ULC-S1088, are being proposed: (1) The proposed new edition of the joint UL/ULC Standard for Temporary Lighting Strings, UL 1088/ULC-S1088.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Heather Sakellariou, (847) 664-2346, [Heather.Sakellariou@ul.com](mailto:Heather.Sakellariou@ul.com)

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

BSR/UL 2157-201x, Standard for Safety for Electric Clothes Washing Machines and Extractors (revision of ANSI/UL 2157-2004 (R2010))

The following is being proposed: Adoption of the third edition, which includes the following changes: (a) Revision to polymeric materials requirements and addition of nichrome wire test; (b) Addition of clothes washer lid switch redundancy; (c) Addition of the option to use a tradename for manufacturer identification; (d) Addition of requirements for installation and user maintenance instructions for ungrounded parts; (e) Addition of requirements for washing machines with heating elements; (f) Revision to clarify the risk of injury due to spillage of wash water through the door or lid opening; (g) Revision of requirements for standards referenced for electric motors and motor overload protection; (h) Clarification of requirements for polarity of single-pole switches and automatic controls; (i) Correction to requirements for bonding conductors of components or separate electrical enclosures; (j) Addition of requirements for polymeric materials in contact with or close proximity to live parts; (k) Clarification of requirements for nonfunctional parts; (l) Addition of flammability requirements; (m) Revision to strength and impact test specimens to be molded; (n) Addition of supplement SA for ozone-generating washing machines; (o) Addition of supplement SB for smart enabled washing machines; (p) Revisions to relocate component requirements and delete component appendix; (q) Revisions to revise and clarify control requirements; and (r) Editorial type clarifications.

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Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Elizabeth Sheppard, (847) 664-3276, [Elizabeth.H.Sheppard@ul.com](mailto:Elizabeth.H.Sheppard@ul.com)

## Technical Reports Registered with ANSI

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

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

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

INCITS/ISO/IEC TR 9575:1995 [2015], Information technology - Telecommunications and information exchange between systems - OSI Routing Framework (technical report)

Provides a framework in which OSI protocols for routing may be developed and to expedite the progression of routing protocols through the standardisation process. Reflects the current state of OSI routing and does not preclude future extensions and developments.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [dspittle@itic.org](mailto:dspittle@itic.org)

## Projects Withdrawn from Consideration

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

### **CEA (Consumer Electronics Association)**

BSR/CEA J-STD-070 (CEA 2035)-201x, Emergency Alert Metadata for the Home Network (revision of ANSI/CEA J-STD-070 (CEA 2035)-2010)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, [vlancaster@ce.org](mailto:vlancaster@ce.org); [dwilson@ce.org](mailto:dwilson@ce.org)

## NFPA Fire Protection Standards Documentation

The National Fire Protection Association announced the availability of its *Second Draft Report* for concurrent review by NFPA and ANSI in the Volume 46, Number 7 issue of Standards Action.

The disposition of all comments received will now be published in the *Second Draft Report* 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#](http://www.nfpa.org/doc#) (for example [www.nfpa.org/101](http://www.nfpa.org/101)), can easily access the document's information page.

These documents are for the NFPA 2015 Annual Revision Cycle. The proposed NFPA documents addressed in the *First Draft Report (FDR)* and in the follow-up *Second Draft Report (SDR)* will only be presented for action at the NFPA June 2015 Association Technical Meeting to be held June 22-25, 2015 in Chicago, IL when a proper Notice of Intent to Make a Motion (NITMAM) has been submitted to the NFPA by the deadline of **March 6, 2015**. 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](http://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: March 6, 2015

### NFPA (National Fire Protection Association)

#### Revision

BSR/NFPA 2-201x, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2011)

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

BSR/NFPA 13-201x, Standard for the Installation of Sprinkler Systems (revision of ANSI/NFPA 13-2013)

This standard provides a range of sprinkler system approaches, design development alternatives, and component options that are all acceptable. Building owners are advised to carefully evaluate proposed selections for appropriateness and preference. It shall provide requirements for the design and installation of automatic fire sprinkler systems and exposure protection sprinkler systems covered within this standard.

BSR/NFPA 13D-201x, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (revision of ANSI/NFPA 13D-2012)

This standard shall cover the design, installation, and maintenance of automatic sprinkler systems for protection against the fire hazards in one- and two-family dwellings and manufactured homes. This standard assumes that the sprinkler system is designed to protect against a fire originating from a single ignition location.

BSR/NFPA 13R-201x, Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies (revision of ANSI/NFPA 13R-2013)

This standard shall cover the design and installation of automatic sprinkler systems for protection against fire hazards in residential occupancies up to and including four stories in height. This standard assumes that the sprinkler system shall be designed to protect against a fire originating from a single ignition location.

BSR/NFPA 20-201x, Standard for the Installation of Stationary Pumps for Fire Protection (revision of ANSI/NFPA 20-2013)

This standard deals with the selection and installation of pumps supplying liquid for private fire protection. This document shall include liquid supplies; suction, discharge, and auxiliary equipment; power supplies, including power supply arrangements; electric drive and control; diesel engine drive and control; steam turbine drive and control; and acceptance tests and operation.

BSR/NFPA 24-201x, Standard for the Installation of Private Fire Service Mains and Their Appurtenances (revision of ANSI/NFPA 24-2012)

This standard shall cover the minimum requirements for the installation of private fire service mains and their appurtenances supplying the following: (1) Automatic sprinkler systems, (2) Open sprinkler systems, (3) Water spray fixed systems, (4) Foam systems, (5) Private hydrants, (6) Monitor nozzles or standpipe systems with reference to water supplies, and (7) Hose houses. This standard shall apply to combined service mains used to carry water for fire service and other uses.

BSR/NFPA 40-201x, Standard for the Storage and Handling of Cellulose Nitrate Film (revision of ANSI/NFPA 40-2007 (R2011))

This standard shall apply to all facilities that are involved with the storage and handling of cellulose nitrate based film. This standard shall not apply to the storage and handling of film having a base other than cellulose nitrate.

BSR/NFPA 55-201x, Compressed Gases and Cryogenic Fluids Code (revision of ANSI/NFPA 55-2012)

NFPA 55 facilitates protection from physiological, over-pressurization, explosive, and flammability hazards associated with compressed gases and cryogenic fluids. Criteria provide fundamental safeguards for the installation, storage, use, and handling of compressed gases and cryogenic fluids in portable and stationary cylinders, containers, and tanks in all occupancy types.

BSR/NFPA 72-201x, National Fire Alarm and Signaling Code (revision of ANSI/NFPA 72-2013)

NFPA 72 covers the application, installation, location, performance, inspection, testing, and maintenance of fire alarm systems, supervising station alarm systems, public emergency alarm reporting systems, fire warning equipment and emergency communications systems (ECS), and their components. The provisions of this chapter apply throughout the Code unless otherwise noted.

BSR/NFPA 73-201x, Standard for Electrical Inspections for Existing Dwellings (revision of ANSI/NFPA 73-2011)

This standard provides criteria for identification of hazardous conditions of electrical systems in existing one-family, two-family, and multifamily dwellings, including mobile homes and manufactured homes.

BSR/NFPA 80-201x, Standard for Fire Doors and Other Opening Protectives (revision of ANSI/NFPA 80-2012)

This standard regulates the installation and maintenance of assemblies and devices used to protect openings in walls, floors, and ceilings against the spread of fire and smoke within, into, or out of buildings. With the exception of fabric fire safety curtain assemblies, this standard addresses assemblies that have been subjected to standardized fire tests.

BSR/NFPA 101A-201x, Guide on Alternative Approaches to Life Safety (revision of ANSI/NFPA 101A-2012)

This guide consists of a number of alternative approaches to life safety. Each chapter is a different system independent of the others and is to be used in conjunction with the NFPA 101, Life Safety Code.

BSR/NFPA 105-201x, Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2013)

This standard shall prescribe minimum requirements for smoke door assemblies for use in providing safety to life and protection of property from smoke.

BSR/NFPA 110-201x, Standard for Emergency and Standby Power Systems (revision of ANSI/NFPA 110-2012)

This standard covers performance requirements for emergency and standby power systems providing an alternate source of electrical power to loads in buildings and facilities in the event that the primary power source fails. Power systems covered in this standard include power sources, transfer equipment, controls, supervisory equipment, and all related electrical and mechanical auxiliary and accessory equipment needed to supply electrical power to the load terminals of the transfer equipment.

BSR/NFPA 111-201x, Standard on Stored Electrical Energy Emergency and Standby Power Systems (revision of ANSI/NFPA 111-2012)

This standard shall cover performance requirements for stored electrical energy systems providing an alternate source of electrical power in buildings and facilities in the event that the normal electrical power source fails. Systems covered in this standard shall include power sources, transfer equipment, controls, supervisory equipment, and accessory equipment, including integral accessory equipment, needed to supply electrical power to the selected circuits.

BSR/NFPA 150-201x, Standard on Fire and Life Safety in Animal Housing Facilities (revision of ANSI/NFPA 150-2013)

This standard establishes life and safety requirements for both humans and animals in all types of animal housing facilities where animals are kept for any purpose, including barns, stables, kennels, animal shelters, veterinary facilities, zoos, laboratories, and racetracks. Provisions encompass design, construction, operation, and maintenance of animal housing facilities and cover performance-based design, subclassification of facilities and categorization of animals, construction and separation requirements, means of egress, and protection from fire and special hazards. Specific chapters for Class 1, 2, and 3 facilities are provided.

BSR/NFPA 160-201x, Standard for the Use of Flame Effects Before an Audience (revision of ANSI/NFPA 160-2011)

This standard shall provide requirements for the protection of the audience, support personnel, performers, the operator, assistants, and property where flame effects are used.

BSR/NFPA 291-201x, Recommended Practice for Fire Flow Testing and Marking of Hydrants (revision of ANSI/NFPA 291-2012)

The scope of this document is fire flow testing and marking of hydrants.

BSR/NFPA 303-201x, Fire Protection Standard for Marinas and Boatyards (revision of ANSI/NFPA 303-2011)

This standard applies to the construction and operation of marinas, boatyards, yacht clubs, boat condominiums, docking facilities associated with residential condominiums, multiple-docking facilities at multiple-family residences, and all associated piers, docks, and floats. This standard also applies to support facilities and structures used for construction, repair, storage, hauling and launching, or fueling of vessels if fire on a pier would pose an immediate threat

BSR/NFPA 307-201x, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves (revision of ANSI/NFPA 307-2011)

This standard shall provide general principles for the construction and fire protection of marine terminals, piers, and wharves. Nothing in this standard shall supersede any of the regulations of governmental or other regulatory authority. The provisions of this standard shall reflect situations and state-of-the-art techniques at the time the standard was issued.

BSR/NFPA 400-201x, Hazardous Materials Code (revision of ANSI/NFPA 400-2012)

The Code's fire and life safety requirements are applicable to a wide range of substances including but not limited to ammonium nitrate solids and liquids, corrosive solids and liquids, flammable solids, organic peroxide formulations, oxidizers, pyrophoric solids and liquids, toxic and highly toxic solids and liquids, unstable (reactive) solids and liquids, water-reactive solids and liquids. Compressed gases and cryogenic fluids are included within the context of NFPA 5.

BSR/NFPA 409-201x, Standard on Aircraft Hangars (revision of ANSI/NFPA 409-2011)

This standard contains the minimum requirements for the proper construction of aircraft hangars and protection of aircraft hangars from fire. This standard applies only to buildings or structures used for aircraft storage, maintenance, or related activities. Other uses within an aircraft hangar shall be protected in accordance with other applicable NFPA Standards.

BSR/NFPA 415-201x, Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways (revision of ANSI/NFPA 415-2012)

This standard specifies the minimum fire protection requirements for the construction and protection of airport buildings. It specifies the minimum requirements for the design and maintenance of the drainage system of an aircraft fueling ramp to control the flow of fuel that can be spilled on a ramp and to minimize the resulting possible danger. It contains the minimum requirements for the design, construction, and fire protection of aircraft loading walkways between the building and aircraft.

BSR/NFPA 556-201x, Guide on Methods for Evaluating Fire Hazard to Occupants of Passenger Road Vehicles (revision of ANSI/NFPA 556-2011)

This guide addresses issues associated with the development of hazardous conditions from fire involving passenger road vehicles and the time available for safe egress or rescue. This document provides guidance toward a systematic approach of the determination of the relationship between the properties of passenger road vehicles, including the materials, components and systems, and the development of hazardous conditions in the vehicle.

BSR/NFPA 557-201x, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2011)

The scope of this standard is the determination of the fire load and fire load density to be used as the basis for the evaluation and design of the structural fire performance of a building. The determination of a design-basis fire is outside the scope of this standard.

BSR/NFPA 820-201x, Standard for Fire Protection in Wastewater Treatment and Collection Facilities (revision of ANSI/NFPA 820-2011)

This standard shall establish minimum requirements for protection against fire and explosion hazards in wastewater treatment plants and associated collection systems, including the hazard classification of specific areas and processes.

BSR/NFPA 1126-201x, Standard for the Use of Pyrotechnics before a Proximate Audience (revision of ANSI/NFPA 1126-2011)

This standard shall provide requirements for the protection of property, operators, performers, support personnel, and the viewing audiences where pyrotechnic effects are used indoors or outdoors with a proximate audience.

BSR/NFPA 1221-201x, Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems (revision of ANSI/NFPA 1221-2012)

This standard shall cover the installation, performance, operation, and maintenance of public emergency services communications systems and facilities. This standard shall not be used as a design specification manual or an instruction manual.

BSR/NFPA 1710-201x, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments (revision of ANSI/NFPA 1710-2010)

This standard contains minimum requirements relating to the organization and deployment of fire suppression operations, emergency medical operations, and special operations to the public by substantially all career fire departments. The requirements address functions and objectives of fire department emergency service delivery, response capabilities, and resources.

BSR/NFPA 1901-201x, Standard for Automotive Fire Apparatus (revision of ANSI/NFPA 1901-2009)

This standard defines the requirements for new automotive fire apparatus and trailers designed to be used under emergency conditions to transport personnel and equipment and to support the suppression of fires and mitigation of other hazardous situations.

BSR/NFPA 1906-201x, Standard for Wildland Fire Apparatus (revision of ANSI/NFPA 1906-2011)

This standard shall define the minimum requirements for the design, performance, and testing of new automotive fire apparatus that are designed primarily to support wildland fire suppression operations. This standard is designed to cover new automotive fire apparatus primarily used to fight wildland fires at both on-road and off-road locations. To a limited degree, these apparatus can be used to protect exposures or fight structure fires from the exterior.

BSR/NFPA 1917-201x, Standard for Automotive Ambulances (revision of ANSI/NFPA 1917-2013)

This standard defines the requirements for new automotive ambulances designed to be used under emergency conditions to provide medical treatment and transportation of sick or injured people to appropriate medical facilities.

# 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](mailto:jmoyer@aami.org)

BSR/AAMI/ISO 13408-3-2012 (R201x), Aseptic processing of health care products - Part 3: Lyophilization (reaffirmation of ANSI/AAMI/ISO 13408-3-2006 (R2012))

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

BSR/AAMI/ISO 15223-02/Ed.1-2010 (R201x), Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation (reaffirmation of ANSI/AAMI/ISO 15223-2-2010)

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** *Tanisha Meyers-Lisle*

**Phone:** (678) 539-1111

**Fax:** (678) 539-2111

**E-mail:** [tmlisle@ashrae.org](mailto:tmlisle@ashrae.org)

BSR/ASHRAE Standard 64-201X, Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers (revision of ANSI/ASHRAE Standard 64-2011)

BSR/ASHRAE Standard 118.2-2006, Method of Testing for Rating Residential Water Heaters (reaffirmation of ANSI/ASHRAE Standard 118.2-2006)

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

BSR/ASHRAE Standard 146-201X, Methods of Testing and Rating Pool Heaters (revision of ANSI/ASHRAE Standard 146-2011)

BSR/ASHRAE Standard 158.2-201X, Method of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)

BSR/ASHRAE Standard 182-201X, Method of Testing Absorption Water-Chilling and Water Heating Packages (revision of ANSI/ASHRAE Standard 182-2008 (R2013))

BSR/ASHRAE Standard 194-201X, Method of Test for Direct-Expansion Ground-Source Heat Pumps (revision of ANSI/ASHRAE Standard 194-2012)

## **ASQ (ASC Z1) (American Society for Quality)**

**Office:** 600 N Plankinton Ave  
Milwaukee, WI 53203

**Contact:** *Julie Sharp*

**Phone:** (414) 272-8575

**E-mail:** [standards@asq.org](mailto:standards@asq.org)

BSR ASQ ISO 14001:2015, Environmental management systems - Requirements with guidance for use (identical national adoption of ISO 14001:2015 and revision of ANSI ISO/ASQ E14001-2004)

## **ASSE (ASC Z359) (American Society of Safety Engineers)**

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** *Timothy Fisher*

**Phone:** (847) 768-3411

**Fax:** (847) 296-9221

**E-mail:** [TFisher@ASSE.org](mailto:TFisher@ASSE.org)

BSR/ASSE Z359.6-201X, Specifications and Design Requirements for Active Fall Protection Systems (revision of ANSI/ASSE Z359.6-2009)

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

## **HI (Hydraulic Institute)**

**Office:** 6 Campus Drive, 1st Floor North  
Parsippany, NJ 07054

**Contact:** *Matthew Zolnick*

**Phone:** (973) 267-9700 x116

**Fax:** (973) 267-9055

**E-mail:** [mzolnick@pumps.org](mailto:mzolnick@pumps.org)

BSR/HI 9.6.2-201x, Rotodynamic Pumps for Assessment of Applied Nozzle Loads (revision of ANSI/HI 9.6.2-2011)

Obtain an electronic copy from: [mzolnick@pumps.org](mailto:mzolnick@pumps.org)

## **IKECA (International Kitchen Exhaust Cleaning Association)**

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

**Contact:** *Gina Marinilli*

**Phone:** (215) 320-3707

**Fax:** (215) 963-9785

**E-mail:** [gmarinilli@fernley.com](mailto:gmarinilli@fernley.com)

BSR/IKECA-I10-201x, Standard for the Methodology for Inspection of Commercial Kitchen Exhaust Systems (new standard)

Obtain an electronic copy from: [gmarinilli@fernley.com](mailto:gmarinilli@fernley.com)

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

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

**Contact:** *Rachel Porter*

**Phone:** (202) 626-5741

**Fax:** 202-638-4922

**E-mail:** [comments@itic.org](mailto:comments@itic.org)

INCITS 469-201x, Information technology - Open Virtualization Format Specification (revision of INCITS 469-2010)

**NECA (National Electrical Contractors Association)**

**Office:** 3 Bethesda Metro Center  
Suite 1100  
Bethesda, MD 20814

**Contact:** *Sofia Arias*

**Phone:** (301) 215-4549

**Fax:** (301) 215-4500

**E-mail:** [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

BSR/NECA 90-201X, Standard for Commissioning Building Electrical Systems (revision of ANSI/NECA 90-2004 (R2010))

BSR/NECA/NEMA 605-201X, Standard for Installing Underground Nonmetallic Utility Duct (revision and redesignation of ANSI/NECA 605-2005)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

**NENA (National Emergency Number Association)**

**Office:** 1700 Diagonal Road  
Suite 500  
Alexandria, VA 22314

**Contact:** *Roger Hixson*

**Phone:** (202) 618-4405

**E-mail:** [rhixson@nena.org](mailto:rhixson@nena.org)

BSR/NENA STA-020.1-201X, NENA Standard for 9-1-1 Call Processing (new standard)

To join this group go to <http://www.nena.org/?page=911CallProcessing> and complete the form.

**TIA (Telecommunications Industry Association)**

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

**Contact:** *Germaine Palangdao*

**Phone:** (703) 907-7497

**Fax:** (703) 907-7727

**E-mail:** [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA 455-225-201x, FOTP-225 IEC 61745 End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (identical national adoption of IEC 61745)

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA 455-231-201x, FOTP-231 IEC 61315 - Calibration of Fibre-Optic Power Meters (identical national adoption of IEC 61315)

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

# Final Actions on American National Standards

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

## ANS (American Nuclear Society)

### Revision

ANSI/ANS 15.16-2015, Emergency Planning for Research Reactors (revision of ANSI/ANS 15.16-2008): 2/11/2015

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

### Addenda

ANSI/ASHRAE/IES Addendum j to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

## ASME (American Society of Mechanical Engineers)

### New Standard

ANSI/ISO/ASME 14414-2015, Pumping System Energy Assessment (new standard): 2/6/2015

### Reaffirmation

ANSI/ASME B89.4.19-2006 (R2015), Performance Evaluation of Laser Based Spherical Coordinate Measurement Systems (reaffirmation of ANSI/ASME B89.4.19-2006): 2/11/2015

### Revision

ANSI/ASME B73.3-2015, Specification for Sealless Horizontal End Suction Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2003 (R2008)): 2/11/2015

## ASTM (ASTM International)

### New Standard

ANSI/ASTM E2988-2015, Practice for Specimen Preparation and Mounting of Flexible Fibrous Glass Insulation for Metal Buildings to Assess Surface Burning Characteristics (new standard): 2/1/2015

### Revision

ANSI/ASTM D4756-2015, Practice for Installation of Rigid Poly(Vinyl Chloride) (PVC) Siding and Soffit (revision of ANSI/ASTM D4756-2013): 2/1/2015

ANSI/ASTM E8-2015, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8-2013a): 2/1/2015

ANSI/ASTM E18-2015, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2014): 2/1/2015

ANSI/ASTM E84-2015, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2014): 2/1/2015

ANSI/ASTM E176-2015, Terminology of Fire Standards (revision of ANSI/ASTM E176-2014): 2/1/2015

ANSI/ASTM E2307-2015, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2010): 1/20/2015

ANSI/ASTM E2536-2015, Guide for Assessment of Measurement Uncertainty in Fire Tests (revision of ANSI/ASTM E2536-2014): 1/20/2015

ANSI/ASTM E2749-2015, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2010 (R2014)): 1/20/2014

ANSI/ASTM E2816-2015, Test Methods for Fire Resistant Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2013a): 1/20/2015

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmation

ANSI/ATIS 0600026-2010 (R2015), Network End POTS Splitter Requirements (reaffirmation of ANSI/ATIS 0600026-2010): 2/11/2015

## CGA (Compressed Gas Association)

### Revision

ANSI/CGA G-13-2015, Storage and Handling of Silane and Silane Mixtures (revision of ANSI/CGA G-13-2006): 2/11/2015

## ECIA (Electronic Components Industry Association)

### Revision

ANSI/EIA 364-20E-2015, Withstanding Voltage Test Procedure for Electrical Connectors, Sockets, and Coaxial Contacts (revision and redesignation of ANSI/EIA 364-20D-2008): 2/11/2015

## NSF (NSF International)

### Revision

\* ANSI/NSF 61-2014a (i119r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2014): 2/4/2015

## UL (Underwriters Laboratories, Inc.)

### New Standard

ANSI/UL 331B-2015, Standard for Safety for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (Proposal dated 10/17/14) (new standard): 2/5/2015

ANSI/UL 2040-2015, Standard for Safety for Folding Rollaway Tables (new standard): 2/10/2015

\* ANSI/UL 4200A-2015, Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies (new standard): 2/10/2015

### Reaffirmation

ANSI/UL 248-7-2005 (R2015), Standard for Safety for Low-Voltage Fuses - Part 7: Class H Renewable Fuses (reaffirmation of ANSI/UL 248-7-2005 (R2010)): 2/9/2015

### Revision

ANSI/UL 132-2015, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (Proposal dated 8/1/14) (revision of ANSI/UL 132-2010): 2/9/2015

ANSI/UL 1004-2-2015, Standard for Safety for Impedance Protected Motors (Proposal dated 12-19-14) (revision of ANSI/UL 1004-2-2011): 2/4/2015

# Corrections

## **Change to Project Intent**

### **ANSI/AWS B2.1-1/8-010**

In the Final Actions section of the January 23rd issue of Standards Action, ANSI/AWS B2.1-1/8-010-2015 was listed as a revision of a previous version. It is actually a New Standard.

## **Incorrect Designation**

### **ANSI/CEA 762-B**

In the Final Actions section of the February 6th edition of Standards Action, the year of publication of ANSI/CEA 762-B was incorrect. The correct designation number is ANSI/CEA 762-B-2008.

# 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](http://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.

## ACCA (Air Conditioning Contractors of America)

**Office:** 2800 Shirlington Road  
Suite 300  
Arlington, VA 22206

**Contact:** Dick Shaw

**Fax:** (703) 575-9147

**E-mail:** shawddd@aol.com; dick.shaw@acca.org

BSR/ACCA 15 OBD-201x, HVAC Equipment On-Board Diagnostics Protocols (new standard)

Stakeholders: HVACR contractors, installers, technicians; OEM's; distributors; instructors/students; building owners/operators.

Project Need: The standard will provide on-board diagnostics and associated error codes with self-evaluating algorithms that will assist installers/technicians with quality installations, problem solving, and improved customer service. The standard will help reduce installation faults, thereby leading to reductions in warranty exposure (contractors', OEM's and distributors') as well as ensure that equipment capacity and efficiency are as designed.

This standard will provide uniform communication protocols across the HVACR residential and light commercial industry by defining (a) common sets of error codes/terminology; (b) communication ports/access; (c) communication protocols for diagnostics; and (d) diagnostic tools/apps (e.g., code readers) that report fault information.

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

**Office:** 1791 Tullie Circle, NE  
Atlanta, GA 30329

**Contact:** Stephanie Reiniche

**Fax:** (678) 539-2159

**E-mail:** sreiniche@ashrae.org

BSR/ASHRAE 15.2-201x, Safety Standard for Air-Conditioning and Heat Pump Systems in Residential Applications (new standard)

Stakeholders: Manufacturers of refrigerants, compressors, motors, and controls; owners; consumers; home builders; air-conditioning contractors.

Project Need: This standard specifies safe design, installation, operation and maintenance of air-conditioning systems in residential applications.

This standard applies to the design, installation, operation and maintenance of mechanical air-conditioning and heat pump systems installed in stationary applications that include: (i) one- and two-family dwellings (single-family detached, duplexes, and townhomes); or (ii) multi-family structures with individual dwelling units, where each dwelling unit has its own heating and air-conditioning system; or (iii) outbuildings and pool houses located on the same private property as a one- and two-family dwelling.

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** Tanisha Meyers-Lisle

**Fax:** (678) 539-2111

**E-mail:** tmlisle@ashrae.org

BSR/ASHRAE Standard 64-201X, Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers (revision of ANSI/ASHRAE Standard 64-2011)

Stakeholders: Refrigeration, equipment and manufacturers.

Project Need: To revise this standard and bring it current to ASHRAE's standard of mandatory language.

This standard prescribes methods of laboratory testing remote mechanical-draft evaporative refrigerant condensers.

BSR/ASHRAE Standard 146-201X, Methods of Testing and Rating Pool Heaters (revision of ANSI/ASHRAE Standard 146-2011)

Stakeholders: Manufacturers and equipment.

Project Need: To revise and bring this standard current to ASHRAE's requirement of mandatory language.

The purpose of this standard is to provide methods of testing and rating pool heaters.

BSR/ASHRAE Standard 158.2-201X, Method of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)

Stakeholders: Refrigeration and air conditioning industry, producers, and users.

Project Need: References need to be updated.

This standard provides methods of determining the mass flow capacity of refrigerant pressure regulators with sufficient accuracy to facilitate proper engineering application of the device in systems operating at various conditions with various refrigerants by (a) prescribing a method of measuring key flow and gradient characteristics of refrigerant pressure regulators using air or water as the working fluid and (b) prescribing computational means to enable reliable prediction of refrigerant vapor and liquid mass flow capacity based on the measured flow and gradient characteristics.



BSR/ASHRAE Standard 182-201X, Method of Testing Absorption Water-Chilling and Water Heating Packages (revision of ANSI/ASHRAE Standard 182-2008 (R2013))

Stakeholders: Equipment manufacturers, particularly of large chillers and chiller-heaters, and certification agencies such as AHRI.

Project Need: For Standard 182, AHRI is in the process of updating AHRI 560, which is complimentary to ASHRAE 182 (AHRI has the rating procedure, while ASHRAE has the method of testing).

The purpose of this standard is to prescribe a method of testing absorption water-chilling and water-heating packages to verify capacity and thermal energy input requirements at a specific set of operating conditions.

\* BSR/ASHRAE Standard 194-201X, Method of Test for Direct-Expansion Ground-Source Heat Pumps (revision of ANSI/ASHRAE Standard 194-2012)

Stakeholders: Product manufacturers of and consumers who purchase direct-expansion ground-source heat pumps.

Project Need: Direct Expansion Ground Source Heat Pumps are performance verified to AHRI Standard 870. AHRI 870 was recently updated to include testing of refrigeration to water systems, testing at part load conditions for 2-speed and variable-speed compressors, and testing of packaged systems. Prior to the update, AHRI 870 and ASHRAE 194 were harmonized. ASHRAE needs to be updated to include the MOT for the above-described configurations.

The purpose of this standard is to provide test procedures for rating factory-made residential, commercial, and industrial direct-expansion ground-source heat pumps, as defined in Section 3 of the standard. In this standard, the terms "heat pumps" or "equipment" may be used to designate direct-expansion ground-source heat pumps. The heat-pump capacity range covered in this standard is 5.3 to 52.7 kW (18,000 to 180,000 Btu/h) and all standard voltage and frequency ratings.

#### **ASQ (ASC Z1) (American Society for Quality)**

**Office:** 600 N Plankinton Ave  
Milwaukee, WI 53203

**Contact:** Julie Sharp

**E-mail:** standards@asq.org

BSR ASQ ISO 14001:2015, Environmental management systems - Requirements with guidance for use (identical national adoption of ISO 14001:2015 and revision of ANSI ISO/ASQ E14001-2004)

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

Project Need: National adoption.

Specifies the requirements of an environmental management system for organizations seeking to establish, implement, maintain and continually improve a framework with the aim to manage its environmental responsibilities in a manner that contributes to the "environmental pillar" of sustainability.

#### **ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact:** Corice Leonard

**Fax:** (610) 834-3683

**E-mail:** accreditation@astm.org

BSR/ASTM WK48671-201x, New Specification for Food Waste Dehydrators (new standard)

Stakeholders: Cleaning and Sanitation Equipment industry.

Project Need: This specification covers dehydrator assemblies intended for shredding, reducing, and drying food scraps into a pulp that may be used as a soil amendment.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK48671.htm>

#### **ECIA (Electronic Components Industry Association)**

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

**Contact:** Laura Donohoe

**Fax:** (571) 323-0245

**E-mail:** ldonohoe@ecianow.org

BSR/EIA 740-A-201x, Specification for Small Form Factor 88.9 Millimeter (3.5 Inches) Disk Drives (new standard)

Stakeholders: Electronics, electrical and telecommunications industry.

Project Need: Revise an expired American National Standard.

This standard defines the dimensions and interconnections of 88.9 mm (3.5 in.) small-form-factor disk drives. The purpose of this standard is to define the external characteristics of small-form-factor disk drives so that products from different vendors may be used in the same mounting configurations. The standard provides specifications on external dimensions, connectors, connector placement, mounting holes, and interface pinouts to assist manufacturers in the systems integration of small-form-factor disk drives.

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

**Office:** 100 Bureau Drive M/S 8462  
Gaithersburg, MD 20899-8462

**Contact:** Michael Unterweger

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**E-mail:** michael.unterweger@nist.gov

BSR N42.17AC-201x, Performance Specifications for Health Physics Instrumentation - Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions (revision, redesignation and consolidation of ANSI N42.17A-2003 & ANSI N42.17C-1989 (R2005))

Stakeholders: Health physicists, radiation workers, government agencies.

Project Need: To update the specifications for health physics portable survey instrumentation.

This standard establishes the minimum performance criteria for health physics instrumentation for use in ionizing radiation fields under both normal and extreme environmental conditions. Testing methods are included to establish the acceptability of each type of instrumentation. This standard does not specify which instruments or systems are required, nor does it consider the number of specific applications of such instruments.

**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 469-201x, Information Technology - Open Virtualization Format Specification (revision of INCITS 469-2010)

Stakeholders: Open Virtualization Format Specification provides easy access for a related set of management elements to gain traction with the development community.

Project Need: The need for the standard arises from the need for common interface for the management of systems across many different vendors.

The Open Virtualization Format Specification describes an open, secure, portable, efficient, and extensible infrastructure for management of systems. The key properties of Open Virtualization Format Specification are as follows:

- It provides a CIM-based top-level object model needed for the representation of security management interfaces;
- It specifies services for the security management, including operations for local user account modification, role and privilege assignment, certificate importation and exportation, and certificate signing-request creation.

**NECA (National Electrical Contractors Association)**

**Office:** 3 Bethesda Metro Center  
Suite 1100  
Bethesda, MD 20814

**Contact:** Sofia Arias

**Fax:** (301) 215-4500

**E-mail:** sofia.arias@necanet.org

\* BSR/NECA 90-201X, Standard for Commissioning Building Electrical Systems (revision of ANSI/NECA 90-2004 (R2010))

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard describes installation procedures for commissioning common newly installed or retrofitted building electrical systems and equipment. It defines the process of commissioning building electrical systems and provides sample guidelines for attaining optimum system performances that conform to design, specification, and industry-accepted codes and standards. This standard is not intended to cover commissioning processes for every type of electrical system and references other specific NEIS documents where such information is provided.

**NSAA (ASC B77) (National Ski Areas Association)**

**Office:** 133 S. Van Gordon Street  
Suite 300  
Lakewood, CO 80228

**Contact:** Sid Roslund

**Fax:** (720) 986-2345

**E-mail:** sidr@nsaa.org

BSR B77.1-201X, Passenger Ropeways - Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors - Safety Requirements (revision of ANSI B77.1-2011 and ANSI B77.1a-2012)

Stakeholders: Manufacturers, operators, and authorities having jurisdiction on passenger ropeways.

Project Need: 5-year revision of standard to update wording.

This document establishes a standard for the design, manufacture, construction, operation, and maintenance of passenger ropeways. For this standard, passenger ropeway categories include:

- aerial tramways (single and double reversible);
- aerial lifts (detachable lifts, chair lifts, and similar equipment);
- surface lifts (T-bar lifts, J-bar lifts, platter lifts, and similar equipment);
- tows (wire rope and fiber rope tows); and
- conveyors.

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

**Office:** 35 Gilbert Hill Rd.  
Chester, CT 06412

**Contact:** Dave Aikens

**Fax:** (860) 555-1212

**E-mail:** daikens@savvyoptics.com

BSR OEOSC OP1.008-201x, Optics and Electro-Optical Instruments - Optical Elements and Assemblies - Infrared Material Sampling Protocol (new standard)

Stakeholders: Industrial users and manufacturers of infrared optics.

Project Need: Measurement of optical materials properties requires subsamples from larger boules or blanks. The selection of the correct subsamples is central to obtaining meaningful data.

This standard specifies the sampling procedure to be used for the characterization of optical materials operating in the infrared portion of the electromagnetic spectrum as specified in OP1.007. These samples will be used for material characterization including homogeneity, birefringence, transmission, visual inspection, material composition, index of refraction, dn/dT, Coefficient of thermal expansion, Resistivity, and Strain and/or grain boundaries.

**VC (ASC Z80) (The Vision Council)**

**Office:** 225 Reinekers Lane  
Suite 700  
Alexandria, VA 22314

**Contact:** Amber Robinson

**Fax:** (703) 548-4580

**E-mail:** arobinson@thevisioncouncil.org

BSR Z80.30-201x, Toric Intraocular Lenses (revision of ANSI Z80.30-2010)

Stakeholders: Clinicians, industry members, regulatory bodies (such as the FDA), and patients.

Project Need: Revision of current standard on toric lens implants in order to incorporate new information and data.

This standard applies to any monofocal intraocular lens (IOL) whose primary indication is the reduction of astigmatism either with the correction of aphakia or the modification of the refractive power of a phakic eye. It does not include IOLs used to correct presbyopia.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit *ANSI Online* at [www.ansi.org/asd](http://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](http://www.ansi.org/publicreview).

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at [psa@ansi.org](mailto: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](mailto:standact@ansi.org).

## AAMI

Association for the Advancement of  
Medical Instrumentation

4301 N Fairfax Drive  
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Arlington, VA 22203-1633  
Phone: (703) 253-8274  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

## ACCA

Air Conditioning Contractors of  
America

2800 Shirlington Road  
Suite 300  
Arlington, VA 22206  
Phone: (202) 251-3835  
Fax: (703) 575-9147  
Web: [www.acca.org](http://www.acca.org)

## ADA (Organization)

American Dental Association

211 E. Chicago Ave  
Chicago, IL 60611  
Phone: (312) 440-2533  
Fax: (312) 440-2529  
Web: [www.ada.org](http://www.ada.org)

## ANS

American Nuclear Society

555 North Kensington Avenue  
La Grange Park, IL 60526  
Phone: (708) 579-8268  
Fax: (708) 579-8248  
Web: [www.ans.org](http://www.ans.org)

## ASHRAE

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

1791 Tullie Circle, NE  
Atlanta, GA 30329  
Phone: (678) 539-1143  
Fax: (678) 539-2159  
Web: [www.ashrae.org](http://www.ashrae.org)

## ASME

American Society of Mechanical  
Engineers

Two Park Avenue  
New York, NY 10016  
Phone: (212) 591-8521  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

## ASQ (ASC Z1)

American Society for Quality

600 N Plankinton Ave  
Milwaukee, WI 53203  
Phone: (414) 272-8575  
Web: [www.asq.org](http://www.asq.org)

## ASSE (Safety)

American Society of Safety Engineers

1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.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](http://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](http://www.atis.org)

## CGA

Compressed Gas Association

14501 George Carter Way  
Suite 103  
Chantilly, VA 20151  
Phone: (703) 788-2728  
Fax: (703) 961-1831  
Web: [www.cganet.com](http://www.cganet.com)

## ECIA

Electronic Components Industry  
Association

2214 Rock Hill Road  
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Herndon, VA 20170-4212  
Phone: (571) 323-0294  
Fax: (571) 323-0245  
Web: [www.ecianow.org](http://www.ecianow.org)

## HI

Hydraulic Institute

6 Campus Drive, 1st Floor North  
Parsippany, NJ 07054  
Phone: (973) 267-9700 x116  
Fax: (973) 267-9055  
Web: [www.pumps.org](http://www.pumps.org)

## IEEE (ASC N42)

Institute of Electrical and Electronics  
Engineers

100 Bureau Drive M/S 8462  
Gaithersburg, MD 20899-8462  
Phone: (301) 975-5536  
Fax: (301) 926-7416  
Web: [www.ieee.org](http://www.ieee.org)

## IKECA

International Kitchen Exhaust  
Cleaning Association

100 North 20th Street  
Suite 400  
Philadelphia, PA 19103-1443  
Phone: (215) 320-3707  
Fax: (215) 963-9785  
Web: [www.ikeca.org](http://www.ikeca.org)

## ITI (INCITS)

InterNational Committee for  
Information Technology Standards

1101 K Street NW  
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Washington, DC 20005-3922  
Phone: (202) 626-5741  
Fax: 202-638-4922  
Web: [www.incits.org](http://www.incits.org)

## NECA

National Electrical Contractors  
Association

3 Bethesda Metro Center  
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Bethesda, MD 20814  
Phone: (301) 215-4549  
Fax: (301) 215-4500  
Web: [www.neca-neis.org](http://www.neca-neis.org)

## NFPA

National Fire Protection Association

One Batterymarch Park  
Quincy, MA 02169  
Phone: (617) 984-7240  
Web: [www.nfpa.org](http://www.nfpa.org)

## NSAA (ASC B77)

National Ski Areas Assc.

133 S. Van Gordon Street  
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## NSF

NSF International

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## 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](http://www.optstd.org)

## PGMA

Portable Generator Manufacturers  
Association

1300 Sumner Avenue  
Cleveland, OH 44115-2851  
Phone: (216) 241-7333 X3008  
Fax: (216) 241-0105  
Web: [www.pgmaonline.com](http://www.pgmaonline.com)

## 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](http://www.tappi.org)

## TIA

Telecommunications Industry  
Association

1320 North Courthouse Road  
Suite 200  
Arlington, VA 22201  
Phone: (703) 907-7497  
Fax: (703) 907-7727  
Web: [www.tiaonline.org](http://www.tiaonline.org)

## UL

Underwriters Laboratories, Inc.

333 Pfingsten Road  
Northbrook, IL 60062-2096  
Phone: (847) 664-2346  
Fax: (847) 664-2346  
Web: [www.ul.com](http://www.ul.com)

## VC (ASC Z80)

The Vision Council

225 Reinekers Lane  
Suite 700  
Alexandria, VA 22314  
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Fax: (703) 548-4580  
Web: [www.z80asc.com](http://www.z80asc.com)



# Newly Published ISO & IEC Standards

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

## ISO Standards

### DENTISTRY (TC 106)

[ISO 9687:2015](#), Dentistry - Graphical symbols for dental equipment, \$173.00

### FIRE SAFETY (TC 92)

[ISO 5925-1/Amd1:2015](#), Fire tests - Smoke-control door and shutter assemblies - Part 1: Ambient- and medium-temperature leakage tests - Amendment 1, \$22.00

### INDUSTRIAL FURNACES AND ASSOCIATED PROCESSING EQUIPMENT (TC 244)

[ISO 13574:2015](#), Industrial furnaces and associated processing equipment - Vocabulary, \$265.00

### METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 4528:2015](#), Vitreous and porcelain enamel finishes - Guide to selection of test methods for vitreous and porcelain enamelled areas of articles, \$88.00

### NUCLEAR ENERGY (TC 85)

[ISO 18589-2:2015](#), Measurement of radioactivity in the environment - Soil - Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples, \$149.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 14490-5/Amd1:2015](#), Optics and optical instruments - Test methods for telescopic systems - Part 5: Test methods for transmittance - Amendment 1, \$22.00

### PAPER, BOARD AND PULPS (TC 6)

[ISO 12625-9:2015](#), Tissue paper and tissue products - Part 9: Determination of ball burst strength, \$88.00

[ISO 12625-15:2015](#), Tissue paper and tissue products - Part 15: Determination of optical properties - Measurement of brightness and colour with C/2° (indoor daylight) illuminant, \$88.00

[ISO 12625-16:2015](#), Tissue paper and tissue products - Part 16: Determination of optical properties - Opacity (paper backing) - Diffuse reflectance method, \$88.00

### ROAD VEHICLES (TC 22)

[ISO 14229-7:2015](#), Road vehicles - Unified diagnostic services (UDS) - Part 7: UDS on local interconnect network (UDSonLIN), \$123.00

### TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

[ISO 93-1/Amd1:2015](#), Textile machinery and accessories - Cylindrical sliver cans - Part 1: Main dimensions - Amendment 1, \$22.00

## ISO Guides

### OTHER

[ISO Guide 30:2015](#), Reference materials - Selected terms and definitions, \$88.00

[ISO Guide 33:2015](#), Reference materials - Good practice in using reference materials, \$173.00

## ISO Technical Specifications

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

[ISO/TS 81346-10:2015](#), Industrial systems, installations and equipment and industrial products - Structuring principles and reference designation - Part 10: Power plants, \$200.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 15444-1/Amd8:2015](#), Profiles for an interoperable master format IMF, \$22.00

## IEC Standards

### CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

[IEC 61169-51 Ed. 1.0 b:2015](#), Radio-frequency connectors - Part 51: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 13,5 mm with bayonet lock - Characteristic impedance 50 Ω (type QLI), \$206.00

### FIBRE OPTICS (TC 86)

[IEC 61300-3-53 Ed. 1.0 en:2015](#), Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-53: Examinations and measurements - Encircled angular flux (EAF) measurement method based on two-dimensional far field data from step index multimode waveguide (including fibre), \$121.00

### FUEL CELL TECHNOLOGIES (TC 105)

[IEC 62282-3-100 Ed. 1.0 b:2012](#), Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety, \$339.00

**LAMPS AND RELATED EQUIPMENT (TC 34)**

[IEC 60968 Ed. 3.0 b:2015](#), Self-ballasted fluorescent lamps for general lighting services - Safety requirements, \$206.00

**POWER TRANSFORMERS (TC 14)**

[IEC 61378-3 Ed. 2.0 b:2015](#), Converter transformers - Part 3: Application guide, \$363.00

**SWITCHGEAR AND CONTROLGEAR (TC 17)**

[IEC 62271-SER Ed. 1.0 b:2015](#), High-voltage switchgear and controlgear - ALL PARTS, \$8518.00

[IEC 62271-104 Ed. 2.0 b:2015](#), High-voltage switchgear and controlgear - Part 104: Alternating current switches for rated voltages higher than 52 kV, \$303.00

**IEC Technical Specifications**

**ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)**

[IEC/TS 60079-40 Ed. 1.0 en:2015](#), Explosive atmospheres - Part 40: Requirements for process sealing between flammable process fluids and electrical systems, \$97.00

# 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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## American National Standards

### INCITS Executive Board

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

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

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

The INCITS Executive Board has eleven membership categories that can be viewed at <http://www.incits.org/participation/membership-info>. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**

This category includes entities that primarily rely on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**

- o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**

This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or [jgarner@itic.org](mailto:jgarner@itic.org). Visit [www.INCITS.org](http://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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

### PINS Correction

#### Incorrect Contact Information

##### BSR/NENA STA-020.1-201X

An incorrect address appeared under BSR/NENA STA-020.1-201X in the PINS and Call for Members section of the February 6, 2015 issue of Standards Action.

Roger Hixson's correct contact information is as follows:

National Emergency Number Association  
1700 Diagonal Road, Suite 500  
Alexandria, VA 22314  
PHONE: (202) 618-4405  
E-mail: [rhixson@nena.org](mailto:rhixson@nena.org)



# ANSI Accredited Standards Developers

## Application for Accreditation

William Frick & Co.

Comment Deadline: March 16, 2015

William Frick & Co. has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on William Frick & Co.-sponsored American National Standards. William Frick & Co.'s proposed scope of standards activity is as follows:

Standards related to design and layout for the manufacturing of labels, tags and identification products

To obtain a copy of William Frick & Co.'s application and proposed operating procedures or to offer comments, please contact: Mr. Chad Svastisalee, Creative Director, William Frick & Co., 2600 Commerce Drive, Libertyville, IL 60048; phone: 847.918.3701; e-mail: chads@fricknet.com. Please submit any comments to William Frick & Co. by March 16, 2015, with a copy to the Recording Secretary, ExSC, in ANSI's New York Office (e-mail: Jthompo@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of William Frick & Co.'s proposed operating procedures from ANSI Online during the public review period at the following URL: [www.ansi.org/accredPR](http://www.ansi.org/accredPR).

## Approvals of Reaccreditations

### American Nuclear Society (ANS)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the American Nuclear Society (ANS), an ANSI organizational member, has been approved under its recently revised operating procedures for documenting consensus on ANS-sponsored American National Standards, effective February 11, 2015. For additional information, please contact: Ms. Patricia Schroeder, Standards Administrator, American Nuclear Society, 555 N. Kensington Avenue, La Grange Park, IL 60561; phone: 708.579.8269; e-mail: pschroeder@ans.org.

### ASC INCITS, InterNational Committee for Information Technology Standards

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of ASC INCITS, InterNational Committee for Information Technology Standards has been approved under its revised policy documents and updated operating procedures for documenting consensus on ASC INCITS-sponsored American National Standards, effective February 11, 2015. For additional information, please contact: Ms. Lynn Barra, Director, INCITS Standards Operations, ASC INCITS/Information Technology Industry Council, 1101 K Street NW, Suite 610, Washington, DC 20005; phone: 201.626.5739; e-mail: lbarra@itic.org.

## Reaccreditation

### American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)

Comment Deadline: March 16, 2015

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), an ANSI Organizational Member, has submitted revisions to its currently accredited Procedures for ASHRAE Standards Actions (PASA) for documenting consensus on ASHRAE-sponsored American National Standards, last accredited in 2014. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of ASHRAE's revised PASA or to offer comments, please contact: Ms. Tanisha Meyers-Lisle, Procedures Administrator, ASHRAE, 1791 Tullie Circle, Atlanta, GA 30329; phone: 678.539.1111; e-mail: TMeyers-Lisle@ashrae.org. You may view/download a copy of the revisions during the public review period at the following URL: [www.ansi.org/accredPR](http://www.ansi.org/accredPR). Please submit any public comments on the revised procedures to ASHRAE by March 16, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompo@ANSI.org).

## ANSI Accreditation Program for Third Party Product Certification Agencies

Approval of Scope Extensions for Accreditation in accordance with ISO/IEC 17065

Corporación Centro de Investigación y Desarrollo Tecnológico del Sector Eléctrico (CIDET)

Comment Deadline: March 16, 2015

Mr. Juan Cordoba  
Senior Professional, Product Certification  
**Corporación Centro de Investigación y Desarrollo Tecnológico del Sector Eléctrico (CIDET)**  
Carrera 46 56-11 Piso 13  
Medellin, Colombia  
Phone: 57 4 444 1211  
Fax: 57 4 293 0460  
E-mail: [juancamilo.cordoba@cidet.org.co](mailto:juancamilo.cordoba@cidet.org.co)  
Web: [www.cidet.com.co](http://www.cidet.com.co)

On February 9, 2015, the ANSI Accreditation Committee voted to approve accreditation in accordance with ISO/IEC 17065 for the following scope extensions:

#### 17.220 Electricity, Magnetism, Electrical and magnetic measurements

17.220.20 Measurement of electrical and magnetic quantities

#### 29.080 Insulation

29.080.10 Insulators (including fittings and other components)

29.080.20 Bushings

29.080.30 Insulation System

#### 91.140.50 Electricity supply systems including electric energy meters in buildings, emergency electrical supplies, etc.

Please send your comments by March 16, 2015 to Reinaldo Balbino Figueiredo, Sr. 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](mailto:rfigueir@ansi.org), or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

# International Organization for Standardization (ISO)

## New Field of ISO Technical Activity

### Bamboo and Rattan

**Comment Deadline: March 13, 2015**

SAC (China) has submitted to ISO a proposal (and additional information) for a new field of ISO technical activity on the subject of Bamboo and Rattan, with the following scope statement:

Standardization of bamboo, rattan, and derived materials, including terminology, classification, specifications, test methods and quality requirements.

Anyone wishing to review this new proposal (and additional information) can request a copy by contacting ANSI's ISO Team via e-mail, [isot@ansi.org](mailto:isot@ansi.org), with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, March 13, 2015.

## Information Concerning

### ANSI Accreditation Program for Third Party Product Certification Agencies

#### Accreditation in Accordance with ISO/IEC 17065

#### Corporación Centro de Investigación y Desarrollo Tecnológico del Sector Eléctrico (CIDET)

#### Comment Deadline: March 16, 2015

Mr. Juan Cordoba  
Senior Professional, Product Certification  
**Corporación Centro de Investigación y Desarrollo Tecnológico del Sector Eléctrico (CIDET)**  
Carrera 46 56-11 Piso 13  
Medellin, Colombia  
Phone: 57 4 444 1211  
Fax: 57 4 293 0460  
E-mail: [juancamilo.cordoba@cidet.org.co](mailto:juancamilo.cordoba@cidet.org.co)  
Web: [www.cidet.com.co](http://www.cidet.com.co)

On February 9, 2015, the ANSI Accreditation Committee voted to approve Accreditation in accordance with ISO/IEC 17065 for the following:

#### SCOPE:

##### 29 ELECTRICAL ENGINEERING

##### 29.060 Electrical wires and cables

##### 29.060.01 Electrical wires and cables in general

##### 29.060.10 Wires

##### 29.060.20 Cables

##### 29.120 Electrical accessories

##### 29.120.01 Electrical accessories in general

##### 29.120.10 Conduits for electrical purposes

##### 29.120.20 Connecting devices

##### 29.120.30 Plugs, socket-outlets, couplers

##### 29.120.40 Switches

##### 29.120.50 Fuses and other overcurrent protection devices

##### 29.120.70 Relays

##### 29.120.99 Other electrical accessories

## 29.130 Switchgear and controlgear

- 29.130.01 Switchgear and controlgear in general
- 29.130.10 High voltage switchgear and controlgear
- 29.130.20 Low voltage switchgear and controlgear
- 29.130.99 Other switchgear and controlgear

## 29.140 Lamps and related equipment

- 29.140.01 Lamps in general
- 29.140.10 Lamp caps and holders
- 29.140.20 Incandescent lamps
- 29.140.30 Fluorescent lamps. Discharge lamps
- 29.140.40 Luminaires
- 29.140.50 Lighting installation systems
- 29.140.99 Other standards related to lamps

## 29.160 Rotating machinery

- 29.160.01 Rotating machinery in general
- 29.160.10 Components for rotating machines
- 29.160.20 Generators
- 29.160.30 Motors
- 29.160.40 Generating sets
- 29.160.99 Other standards related to rotating machinery

## 29.180 Transformers. Reactors

## 29.220 Galvanic cells and batteries

- 29.220.01 Galvanic cells and batteries in general
- 29.220.20 Acid secondary cells and batteries

## 29.240 Power transmission and distribution networks

- 29.240.01 Power transmission and distribution networks in general
- 29.240.10 Substations. Surge arresters
- 29.240.20 Power transmission and distribution lines
- 29.240.30 Control equipment for electric power systems
- 29.240.99 Other equipment related to power transmission and distribution networks

Please send your comments by March 16, 2015 to Reinaldo Balbino Figueiredo, Sr. 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](mailto:rfigueir@ansi.org), or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

# Information Concerning

## International Electrotechnical Commission (IEC)

### NREL Relinquishes USNC TAG Administratorship for USNC TAG for IEC/TC 8

The National Renewable Energy Laboratory (NREL) has relinquished its assignment as TAG Administrator for the USNC Technical Advisory Group for **IEC/TC 8 – Systems Aspects for Electrical Energy Supply**

#### **Scope of IEC TC 8:**

To prepare and coordinate, in co-operation with other TC/SCs, the development of international standards and other deliverables with emphasis on overall system aspects of electricity supply systems and acceptable balance between cost and quality for the users of electrical energy. Electricity supply system encompasses transmission and distribution networks and connected user installations (generators and loads) with their network interfaces.

The following list contains a couple of examples on system related aspects and elements belonging to the overall process of electricity supply. The purpose of this non-exhaustive list is to illustrate in which fields expertise is required within TC8, in order to enable the committee to properly fulfill its given task. It is not meant to be a list of items to be standardized.

Examples for main system aspects to be taken into account are the following:

#### Terminology

##### Electrical system reliability

- planning,
- operating limits (capability),
- adequacy,
- system security.

##### Connection practices

- generators,
- loads,
- system characteristics,
- system planning data (different opportunities for connection)

##### Operation

- load/generation balance,
- protection and control,
- fault management,
- contingency planning,
- management of abnormal and emergency conditions (black-out, islanding).
- measurement and monitoring

#### Network responsibility

- operational safety,
- security.

#### Metering

#### Data exchange and balancing

- data acquisition and aggregation,
- settlement,
- exchange of data, identification schemes,
- billing,
- load profiles.

#### Communication

- operational safety,
- security.

#### Charging mechanisms for use of public supply systems

#### Outsourcing of network related services

#### Characteristics of energy supply

- Nominal values and ranges of variation of voltages, currents and frequencies of generation, transmission, distribution and utilisation systems;
- Parameters defining characteristics of energy supply (continuity, voltage dips, over/under voltages, voltage unbalance, voltage fluctuations, harmonics, inter-harmonics) at the interfaces between HV, MV and LV networks and their users- (system operators, generators and consumers).

#### System functions:

TC 8 has a system function, having to deal with system aspects of electrical energy supply. However, by definition, TC 8 has also a horizontal function which is limited to the items mentioned under Characteristics of energy supply (voltage frequency and current and all their parameters) in order to prepare basic publications and ensure the consistency of the IEC publications in these fields.

Earlier this year the IEC Standardization Management Board established IEC/SC 8A – Grid Integration of Large-Capacity Renewable Energy (RE) Generation. Because there was not sufficient interest expressed in this SC, the USNC was not able, at the time, to register as a Participating Member and, therefore, is currently a NON-MEMBER of SC 8A. If interest has developed in SC 8A, a TAG Administrator will have to be assigned, a Technical Advisory Group established and a Technical Advisor appointed. Expressions of interest in this SC are welcome.

**Scope of IEC/SC 8A** – Standardization in the field of grid integration of large-capacity renewable energy (RE) generation.

If any entities are interested in being considered for assignment as TAG Administrator for the USNC TAG for IEC/TC 8, they are invited to contact Tony Zertuche, Deputy General Secretary, USNC/IEC, at [tzertuche@ansi.org](mailto:tzertuche@ansi.org). The USNC Technical Management Committee (TMC) will consider the expressions of interest received and will allocate the assignment as appropriate. If no entity seeks this assignment, the TMC will consider whether or not the USNC must register as a Non-Member of IEC/TC 8.

# Public Review Draft

Proposed Addendum a to Standard 189.1-2014

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

First Public Review (February 2015)  
(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](http://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](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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



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

## Foreword

The purpose of this addendum is to clarify the location of a CO<sub>2</sub> sensor to determine the outdoor air concentration in response to concerns received on a prior addendum that is now incorporated into the Standard.

*Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 a to 189.1-2014

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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 6.4.3.8 of ANSI/ASHRAE/IES Standard 90.1. *Demand control ventilation (DCV)* 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 1000 cfm (500 L/s).

### **Exceptions to 7.4.3.2:**

1. Systems with exhaust air energy recovery complying with Section 7.4.3.6.
2. Systems with a design outdoor airflow less than 750 cfm (375 L/s).
3. 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).
4. 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).

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 provided with *DCV*. All CO<sub>2</sub> 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 CO<sub>2</sub> sensors or air sampling probes leading to a central CO<sub>2</sub> monitoring station shall be provided with at least one sensor or probe for each 10,000 ft<sup>2</sup> (1000 m<sup>2</sup>) of floor *space*. Sensors or probes shall be installed between 3 and 6 ft (1 and 2 m) above the floor.



- b. CO<sub>2</sub> sensors ~~shall must be~~ have a rated accuracy accurate of to  $\pm 50$  ppm at 1000 ppm.
- c. *Outdoor air* CO<sub>2</sub> concentrations shall be determined by one of the following:
  - 1. *Outdoor air* CO<sub>2</sub> concentrations shall be dynamically measured using one or multiple a CO<sub>2</sub> sensor(s). The CO<sub>2</sub> sensor location(s) shall be identified on the construction documents.
  - 2. When documented statistical data are available on the local ambient CO<sub>2</sub> concentrations, a fixed value typical of the location where the building is located shall be allowed in lieu of an outdoor sensor.
- d. Occupant CO<sub>2</sub> generation rate assumptions shall be shown in the design documents.

# Public Review Draft

Proposed Addendum be to Standard 189.1-2014

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

Second Public Review (February 2015)  
(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](http://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](http://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**



## 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 ft<sup>3</sup> (207 W/m<sup>3</sup>) and requires an oxygen depletion safety shutoff 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 indoor contaminant load in the building. 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 2012 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 by 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.

This second public review draft of the addendum reflects input received from the first public review, which resulted in additional exceptions for certain gas-fired heaters, which are used primarily in industrial spaces. In addition, the section title is revised to better reflect the content of this new section.

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

## **Addendum be - to 189.1-2011 (2<sup>nd</sup> Full Public Review)**

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*Modify section 8.3.1 as follows:*

### **8.3.1.5 Venting of Combustion Products**

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

Exceptions:

a. Ovens and ranges in residential spaces.

b. Heaters certified to ANSI Z83.19-2009/CSA 2.35-2009 Gas-Fired High-Intensity Infrared Heaters mounted greater than or equal to 10 feet above the occupied floor.

c. Heaters certified to ANSI Z83.4/CAN 3.7 ANSI Z83.4-2013/CSA 3.7-2013 Non-recirculating direct gas-fired industrial air heaters.

**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. ...**

**BSR/UL 330A, Standard for Safety for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)**

**1. Revision to the Long Term Exposure Test for Hose and Hose Assemblies, Section 30**

**PROPOSAL**

**PERFORMANCE**

**30 Long Term Exposure Test for Hose and Hose Assemblies**

**30.1 General**

30.1.3 For platings or coatings, there shall be no visual evidence of softening of the plating or coating material, ~~or exposed base metal~~ Compliance is checked by observance of the drained test fluid. There shall be no evidence of visible flaking of the plating or coating material. There shall be no substantial discoloration of the test fluid ~~resulting from~~ when observing the drained fluid. Discoloration is an indication of chemical attack on the plating or coatings internal to the device. In order to determine that the base metal is not exposed, visual inspections shall be made. If the visual examination requires examination of internal surfaces, the samples shall be cut open to determine compliance. If this is necessary, additional samples can be used to determine compliance with this requirement, such that the remaining test sequence will not be disturbed by cutting open the samples.

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**BSR/UL 330B, Standard for Safety for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil**

**1. Revision to the Long Term Exposure Test for Hose and Hose Assemblies, Section 27**

**PROPOSAL**

**PERFORMANCE**

**27 Long Term Exposure Test for Hose and Hose Assemblies**

**27.1 General**

27.1.3 For platings or coatings, there shall be no visual evidence of softening of the plating or coating material, ~~or exposed base metal~~ Compliance is checked by observance of the drained test fluid. There shall be no evidence of visible flaking of the plating or coating material. There shall be no substantial discoloration of the test fluid ~~resulting from when observing the drained fluid.~~ Discoloration is an indication of chemical attack on the plating or coatings internal to the device. In order to determine that the base metal is not exposed, visual inspections shall be made. If the visual examination requires examination of internal surfaces, the samples shall be cut open to determine compliance. If this is necessary, additional samples can be used to determine compliance with this requirement, such that the remaining test sequence will not be disturbed by cutting open the samples.

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**BSR/UL 183, Standard for Safety for Manufactured Wiring Systems****2. Addition of requirements for receptacle outlets****PROPOSAL**

11.11 A receptacle outlet of the type specified in 3.7 when installed so that access to the manufactured wiring assembly connector(s), ~~providing power to the outlet, is not accessible without first removing an access cover shall be subjected to either the Overload or Current Cycling Test~~ the Temperature Cycling Test instead of the Temperature and Overload Tests. The installation instructions shall be used to determine the recommended installation configuration. See Figure 11.1.

*Exception: A receptacle outlet of the feed through type when installed as described above shall be subjected to Temperature and Overload Tests.*

45.22 A receptacle assembly subjected to the Current Cycling Test instead of the Overload Test installed as specified in 11.11 shall be permanently marked where visible when disconnecting the receptacle from the manufactured wiring system; “Caution - Risk of fire and shock, disconnect electrical load before removing” or equivalent.

**6. Revision to Table 27.1 temperature rise limits****PROPOSAL****Table 27.1****Maximum acceptable temperature rises<sup>g</sup>**

<b>Materials and components</b>		<b>°C</b>	<b>°F</b>
A.	Components		
	1. Fuses	50	90
	2. Wood and other cellulosic material <sup>a</sup>	50	90
	3. Sealing compounds	b	b
	4. Insulated wires and cord	c	c
	5. Thermoplastic material	d	d
	6. Enclosure of an automatic starter for a fluorescent ballast	50	90
	7. (UL 498) NEMA style receptacle contacts <sup>e</sup>	30 <sup>e</sup>	54 <sup>e</sup>
	8. Printed-wiring boards	f	f
B.	Electrical insulation - general		
	1. Fiber employed as electrical insulation	50	90

	2. Varnished-cloth insulation	45	81
<p><sup>a</sup> These limitations do not apply to a compound or component that is rated for a higher temperature.</p>			
<p><sup>b</sup> The maximum thermoplastic sealing compound temperature is 15°C (27°F) less than the softening point of the compound as determined by the Ring-and-Ball Apparatus, ASTM E28-14. Thermoset compounds which have been investigated for particular temperature ratings, the maximum temperature <u>of the compound rise</u> shall not exceed the temperature rating <u>of the compound when adjusted to a 40°C (104°F) ambient as specified in 27.7</u> minus an assumed ambient of 40°C (104°F).</p>			
<p><sup>c</sup> For insulated conductors the maximum temperature <del>rise</del> shall not exceed the maximum operating temperature specified for the wire <u>when adjusted to a 40°C (104°F) ambient as specified in 27.7</u> in question minus an assumed ambient (room) temperature of 40°C (104°F).</p>			
<p><sup>d</sup> For compounds which have been investigated for particular temperature ratings, the maximum temperature <del>rise</del> shall not exceed the temperature rating <u>of the compound when adjusted to a 40°C (104°F) ambient as specified in 27.7</u> minus an assumed ambient of 40°C (104°F).</p>			
<p><sup>e</sup> The maximum temperature when corrected to 25°C (77°F) is 55°C (131°F).</p>			
<p><sup>f</sup> The maximum temperature rise of the printed-wiring board is the operating temperature of the board minus an assumed ambient of 40°C (104°F).</p>			
<p><sup>g</sup> The maximum temperature rise of any component shall not exceed the temperature limit of the component minus an assumed ambient temperature of 40°C (104°F).</p>			
<p>NOTE - Temperature rises in this table are based on a 40°C (104°F) ambient except for UL 498 NEMA receptacles are certified based on 25°C (77°F) and a correction factor for a higher ambient is not applied.</p>			

Note: Clause 27.7 is provided for reference for the changes to the notes in Table 27.1

27.7 When temperatures on the device have stabilized, they are to be recorded and corrected to a nominal 40°C test compartment temperature by use of the formula:

$$T = T_m + (40 - T_c)$$

in which:

$T_c$  is the test compartment air temperature in degrees C;

$T_m$  is the temperature measured on the device in degrees C; and

$T$  is the corrected temperature in degrees C on the device.