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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: May 4, 2014

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

#### Addenda

BSR/ASHRAE Addendum 62.1a-201x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2013)

Currently, 62.1 has responsibility for multifamily residential buildings 4 stories or more and 62.2 has responsibility for 3 stories and less. The ventilation rates for dwelling units in 62.1 are different from the rates in 62.2. 62.1 does not address modest retrofits whereas 62.2 does. This proposed scope change would do away with the building height threshold, bringing the dwelling units into 62.2 regardless of height while common areas would be covered by 62.1. The change will allow for consistency across dwelling units and also allow application of ASHRAE ventilation standards to the multifamily retrofit market.

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

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>

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

#### Addenda

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

With regard to multifamily dwellings, currently 62.1 has responsibility for buildings four stories or more and 62.2 for three stories and less. The ventilation rates for dwelling units in 62.1 are different from the rates in 62.2. 62.1 does not address modest retrofits whereas 62.2 does. This scope change would do away with the building height separation, bringing the dwelling units themselves into 62.2 regardless of height. This will allow for consistency within dwelling units and also allow application of ASHRAE ventilation standards to the multifamily retrofit market.

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

#### Addenda

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

The standard test endpoint for the initial efficiency test is 1 h. However, some filters can reach 0.95-1.00 penetration ( $\leq 5\%$  efficiency) within this hour. Thus, allowing the test to stop sooner makes sense for these filters. This addendum modifies the initial performance test to allow testing to stop when the penetration exceeds 0.95.

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

#### Addenda

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

This ISC modifies the original addendum by not allowing the use of any control factors from Table 9.6.3, Control Factors Used in Calculating Additional Interior Lighting Power Allowances, of ANSI/ASHRAE/IES 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings, for lighting control methodologies.

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

#### Addenda

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

This ISC modifies the outdoor airflow rate levels where demand control ventilation would be required to be more consistent with reasonable system equipment sizes.

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

#### Addenda

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

This ISC addresses the issue of a designer or owner having the ability to designate site features for preservation not necessarily designated by the AHJ.

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

#### Addenda

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

This addendum modifies Table D1.1 (Modifications and Additions to Table G3.1 of Appendix G in ANSI/ASHRAE/IES Standard 90.1) to reflect new fenestration orientation requirements made by an earlier addendum.

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

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2012a)

To resolve comments received by UL to proposals for new and revised requirements for UL 778, dated October 11, 2013.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)

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

BSR/UL 2586-201x, Standard for Safety for Hose Nozzle Valves (revision of ANSI/UL 2586-2013)

This proposal clarifies the test methods of the Operation Test, Sensitivity Test, Hose Nozzle Endurance Test, and Drop Test.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Marcia Kawate, (408) 754-6743, [Marcia.M.Kawate@ul.com](mailto:Marcia.M.Kawate@ul.com)

**Comment Deadline: May 19, 2014****ADA (American Dental Association)****Reaffirmation**

BSR/ADA No. 33-2003 (R201x), Dental Products Standards Development Vocabulary (reaffirmation of ANSI/ADA 33-2003)

The bulk of the terms and definitions (TDEs) in this revision of ANSI/ADA Specification No. 33 relate to products, procedures, and testing of products used in dentistry. This effort to update and standardize the nomenclature for dental products and testing should permit the authors of the various specifications and standards to discuss their concepts and procedures so they will be understood by those who must read and interpret these documents and test the products to determine if they are suitable for the purpose intended.

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**ASA (ASC S1) (Acoustical Society of America)****Revision**

BSR/ASA S1.26-201x, Methods for Calculation of the Absorption of Sound by the Atmosphere (revision of ANSI/ASA S1.26-1995 (R2009))

This Standard provides the means to calculate atmospheric absorption losses of sound from any source, over a wide range of meteorological conditions. Attenuation coefficients for pure-tone sounds are calculated by means of equations (or a table) for the frequency of the sound, and the humidity, pressure, and temperature of the atmosphere. For sounds analyzed by fractional-octave-band filters, alternative methods to calculate the attenuation caused by atmospheric absorption are provided.

Single copy price: \$130.00

Obtain an electronic copy from: [asastds@aip.org](mailto:asastds@aip.org)

Order from: Susan Blaeser, (631) 390-0215, [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

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

**ASA (ASC S3) (Acoustical Society of America)****Reaffirmation**

BSR/ASA S3.2-2009 (R201x), Method for Measuring the Intelligibility of Speech over Communication Systems (reaffirmation of ANSI/ASA S3.2-2009)

This standard includes measurement of speech intelligibility over entire communication systems, evaluation of the contributions of elements of speech communication systems, and evaluation of factors that affect the intelligibility of speech. Speech intelligibility over a communication system is measured by comparing the monosyllabic words trained listeners receive and identify with the words trained talkers speak into a communication system that connects the talkers with the listeners.

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**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASABE AD6489-3:2004 MONYEAR, Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar (national adoption of ISO 6489-3:2004 with modifications and revision of ANSI/ASABE AD6489-3/ISO 6489-3-2009)

This standard gives general specifications, including dimensional requirements, location, vertical static load limits, safety chain attachments, and PTO clearance zone requirements for Category 0, 1, 2, 3, 4, and 5 drawbars mounted on the rear of agricultural tractors. The scope is identical to the scope of ISO 6489-3:2004 except for the inclusion of (1) Safety chain requirements as outlined in ASAE S338.5; (2) additional requirements for tire clearance; and (3) additional details for an auxiliary hole for drawbar design without clevis.

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**ASABE (American Society of Agricultural and Biological Engineers)****Revision**

BSR/ASAE S436.2 MONYEAR-201x, Center Pivot and Lateral Move Irrigation Machine Water Distribution Uniformity Field Test Procedure (revision of ANSI/ASAE S436.1-1997 (R2012))

Defines an in-field method for characterizing the uniformity of water distribution of sprinkler packages installed on center pivots and lateral move irrigation machines. This test produces data to be used in computing the coefficient of uniformity, which can assist in system design and/or selection, and can be used to quantify certain aspects of system performance in the field. The coefficient of uniformity is only one factor in evaluating total system performance. Application rates, runoff, wind, amount of water applied, pump performance, and overall system

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

### Reaffirmation

BSR/ASHRAE Standard 16-1983 (R201x), Method of Testing for Rating Room Air Conditioners and Packaged Terminal Air Conditioners (reaffirmation of ANSI/ASHRAE Standard 16-1983 (R2009))

This standard prescribes a method of testing for obtaining cooling capacity and airflow quantity for rating room air conditioners and packaged terminal air conditioners.

Single copy price: \$35.00

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

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

### Reaffirmation

BSR/ASHRAE Standard 58-1986 (R201x), Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity (reaffirmation of ANSI/ASHRAE Standard 58-1986 (R2009))

The purpose of this standard is to prescribe test methods for determining the heating capacities and air flow quantities for room air conditioners and packaged terminal air conditioners equipped with means for room heating.

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## ASME (American Society of Mechanical Engineers)

### Revision

BSR/ASME A18.1 201x, Safety Standard for Platform Lifts and Stairway Chairlifts (revision of ANSI/ASME A18.1 2011)

This safety Standard covers the design, construction, installation, operation, inspection, testing, maintenance, and repair of inclined stairway chairlifts and inclined and vertical platform lifts intended for transportation of a mobility-impaired person only. The device shall have a limited vertical travel, operating speed, and platform area. Operation shall be under continuous control of the user/attendant. The device shall not penetrate more than one floor. A full passenger enclosure on the platform shall be prohibited.

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Riad Mohamed, (212) 591-8460, [MohamedR@asme.org](mailto:MohamedR@asme.org)

## ASTM (ASTM International)

### New Standard

BSR/ASTM WK21343-201x, Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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## ASTM (ASTM International)

### New Standard

BSR/ASTM WK34588-201x, Practice for Low Impact Paintball Field Operation (new standard)

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## ASTM (ASTM International)

### New Standard

BSR/ASTM WK42700-201x, Specification for Airsoft Gun Barrel Blocking Devices (new standard)

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## ASTM (ASTM International)

### New Standard

BSR/ASTM WK44152-201x, Practice for Application of Generalized Extreme Studentized Deviation (GESD) Technique for the Simultaneous Identification of Multiple Outliers in a Data Set (new standard)

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## ASTM (ASTM International)

### Reaffirmation

BSR/ASTM C781-2008 (R201x), Practice for Testing Graphite and Boronated Graphite Materials for High-Temperature Gas-Cooled Nuclear Reactor Components (reaffirmation of ANSI/ASTM C781-2008)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM D7219-2008 (R201x), Specification for Isotropic and Near-Isotropic Nuclear Graphites (reaffirmation of ANSI/ASTM D7219-2008)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F681-1982 (R201x), Practice for Use of Branch Connections (reaffirmation of ANSI/ASTM F681-1982 (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F682-1982A (R201x), Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings (reaffirmation of ANSI/ASTM F682-1982A (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F708-1997 (R201x), Practice for Design and Installation of Rigid Pipe Hangers (reaffirmation of ANSI/ASTM F708-1997 (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F721-81 (R201x), Specification for Gage Piping Assemblies (reaffirmation of ANSI/ASTM F721-81 (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F856-1997 (R201x), Practice for Mechanical Symbols, Shipboard--Heating, Ventilation, and Air Conditioning (HVAC) (reaffirmation of ANSI/ASTM F856-1997 (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F986-1997 (R201x), Specification for Suction Strainer Boxes (reaffirmation of ANSI/ASTM F986-1997 (R2008))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F1979-2010 (R201x), Specification for Paintballs Used in the Sport of Paintball (reaffirmation of ANSI/ASTM F1979-2010)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2184-2010 (R201x), Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2278-2010a (R201x), Test Method for Evaluating Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2278-2010a)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2573-2006 (R201x), Specification for Low Velocity Resilient Material Projectile (reaffirmation of ANSI/ASTM F2573-2006 (R2010))

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**ASTM (ASTM International)****Reaffirmation**

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**ASTM (ASTM International)****Revision**

BSR/ASTM D910-201x, Specification for Aviation Gasolines (revision of ANSI/ASTM D910-2013a)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D1655-201x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2013)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D2275-201x, Test Method for Voltage Endurance of Solid Electrical Insulating Materials Subjected to Partial Discharges (Corona) on the Surface (revision of ANSI/ASTM D2275-2001 (R2008))

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D3241-201x, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D4726-201x, Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (revision of ANSI/ASTM D4726-2009)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D6227-201x, Specification for Unleaded Aviation Gasoline Containing a Non-Hydrocarbon Component (revision of ANSI/ASTM D6227-2012)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D6300-201x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants (revision of ANSI/ASTM D6300-2013a)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D6615-201x, Specification for Jet B Wide-Cut Aviation Turbine Fuel (revision of ANSI/ASTM D6615-2011a)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D7547-201x, Specification for Hydrocarbon Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D7566-201x, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2013)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D7592-201x, Specification for Specification for Grade 94 Unleaded Aviation Gasoline Certification and Test Fuel (revision of ANSI/ASTM D7592-2010)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D7719-201x, Specification for High-Octane Unleaded Fuel (revision of ANSI/ASTM D7719-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM E662-201x, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2013c)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM E1354-201x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM E2072-201x, Specification for Photoluminescent (Phosphorescent) Safety Markings (revision of ANSI/ASTM E2072-2010)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM E2102-201x, Test Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater (revision of ANSI/ASTM E2102-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F381-201x, Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines (revision of ANSI/ASTM F381-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F803-201x, Specification for Eye Protectors for Selected Sports (revision of ANSI/ASTM F803-2011)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F963-201x, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2011)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F1292-201x, Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment (revision of ANSI/ASTM F1292-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F1321-201x, Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel (revision of ANSI/ASTM F1321-2013)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F1696-201x, Test Method for Energy Performance of Single-Rack, Door-Type Commercial Dishwashing Machines (revision of ANSI/ASTM F1696-2007)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F1887-201x, Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs (revision of ANSI/ASTM F1887-2009)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F1951-201x, Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment (revision of ANSI/ASTM F1951-2009)

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**ASTM (ASTM International)****Revision**

BSR/ASTM F2219-201x, Test Methods for Measuring High-Speed Bat Performance (revision of ANSI/ASTM F2219-2013)

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

BSR ATIS 0600015.02-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - Transport Requirements (revision of ANSI ATIS 0600015.02-2009)

This document specifies the definition of Transport products and systems as well as a methodology to calculate the Telecommunication Energy Efficiency Ratio (TEER) of a transport system or network configuration. The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: \$170.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

Order from: Kerriane Conn, (202) 434-8841, [kconn@atis.org](mailto:kconn@atis.org); [jpemard@atis.org](mailto:jpemard@atis.org)

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

BSR ATIS 0600017-201x, DC Power Wire and Cable for Telecommunications Power Systems (revision of ANSI ATIS 0600017-2009)

This standard establishes a minimum requirement for DC power cable used to connect telecommunications DC power systems to telecommunications load equipment. It will also be used to interconnect elements of the DC power system.

Single copy price: \$145.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

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

BSR/AWS G1.10M-201x, Guide for the Evaluation of Thermoplastic Welds (new standard)

This standard lists and describes flaws and defects in hot gas, hot gas extrusion, heated tool butt fusion, socket fusion, electrofusion, and flow fusion welded joints in thermoplastics. Its intent is to make possible a generally valid evaluation giving consideration to graded quality requirements. Tables illustrating cracks, voids, solid inclusions, lack of fusion, flaws and defects of shape, and other flaws and defects in thermoplastic welds are included. Flaw and defect features with descriptions and illustrations are compiled into tables to aid in the evaluation of welds.

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**CEA (Consumer Electronics Association)****Reaffirmation**

BSR/CEA 608-E-2008 (R201x), Line 21 Data Services (reaffirmation of ANSI/CEA 608-E-2008)

CEA-608-E is a technical standard and guide for using or providing Closed Captioning services or other data services embedded in line 21 of the vertical blanking interval of the NTSC video signal. This includes provision for encoding equipment and/or decoding equipment to produce such material as well as manufacturers of television receivers which are required to include such decoders in their equipment as a matter of regulation (included in Annex F).

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**ECA (Electronic Components Association)****New National Adoption**

BSR/EIA 60938-2-1-201x, Fixed Inductors for Electromagnetic Interference Suppression: Part 2-1: Blank Detail Specification - Inductors for Which Safety Tests Are Required - Assessment Level D (identical national adoption of IEC 60938-2-1)

This document is intended for use in all electronic components, supplies and equipment applications. This standard is recommended for use by authorized distributors purchasing and selling of electronic components, supplies and equipment. The requirements of this standard are generic and intended to be applied to organizations that procure electronic components, supplies, and equipment.

Single copy price: \$25.00

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**HL7 (Health Level Seven)****New Standard**

BSR/HL7 V3IG INFOB, R4-201x, HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval Application (Infobutton), Release 4 (new standard)

The scope of this document is to update the Implementation Guide to address new requirements and to reflect changes made to its "parent" normative specification entitled "Context-Aware Knowledge Retrieval, Knowledge Request Standard, Release 2".

Single copy price: Free to HL7 members; free to non-members 90 days following ANSI approval and publication by HL7

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Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

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**ISA (International Society of Automation)****New National Adoption**

BSR/ISA 60079-10-1-201x, Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres (national adoption with modifications of IEC 60079-10-1)

This standard is concerned with the classification of areas where flammable gas or vapor or mist hazards may arise and may then be used as a basis to support the proper selection and installation of equipment for use in a hazardous area. It is intended to be applied where there may be an ignition hazard due to the presence of flammable gas or vapor, mixed with air under normal atmospheric conditions.

Single copy price: \$340.00

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Order from: Eliana Brazda, (919) 990-9228, [ebrazda@isa.org](mailto:ebrazda@isa.org)

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**ISA (International Society of Automation)****New Standard**

BSR/ISA 92.00.04-201x, Performance Requirements for Open Path Toxic Gas Detectors (new standard)

This standard provides minimum requirements for fixed and transportable open path toxic gas detection equipment. This standard specifies the construction, performance and testing of open path (line-of-sight) gas detectors that sense the presence of toxic gas concentrations in air.

Single copy price: \$75.00

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**ISA (International Society of Automation)****New Standard**

BSR/ISA 95.00.06-201x, Enterprise-Control System Integration - Part 6: Messaging Service Model (new standard)

Defines a set of services that may be used to exchange information messages in a publish/subscribe mode and a request/response mode. Defines a minimal interface subset to message exchange systems.

Single copy price: \$99.00

Obtain an electronic copy from: [crobenson@isa.org](mailto:crobenson@isa.org)

Order from: Charles Robinson, (919) 990-9213, [crobenson@isa.org](mailto:crobenson@isa.org)

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

### **New Standard**

INCITS 496-2012/AM1-201x, Information technology - Fibre Channel - Security Protocols - 2 - Amendment 1 (new standard)

This amendment updates ANSI INCITS 496-2012, FC-SP-2, to support additional cryptographic algorithms.

Single copy price: \$60.00

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

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

### **Withdrawal**

INCITS/ISO/IEC 18033-3:2005/Cor2-2009, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers - Corrigendum 2 (withdrawal of INCITS/ISO/IEC 18033-3:2005/Cor2-2009)

This is the second corrigendum to INCITS/ISO/IEC 18033-3:2005.

Single copy price: \$30.00

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

### **Withdrawal**

INCITS/ISO/IEC 18033-3:2005/Cor3-2009, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers - Corrigendum 3 (withdrawal of INCITS/ISO/IEC 18033-3:2005/Cor3-2009)

This is the third corrigendum to INCITS/ISO/IEC 18033-3:2005.

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## NSF (NSF International)

### **Revision**

BSR/NSF 50-201x (i78r5), Equipment for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2012)

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

Single copy price: Free

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## NSF (NSF International)

### **Revision**

BSR/NSF 50-201x (i95r1)), Equipment for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2012)

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

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## TIA (Telecommunications Industry Association)

### **Revision**

BSR/TIA 568.0-D-201x, Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568-C.0-2009)

This Standard specifies requirements for generic telecommunications cabling. It specifies requirements for cabling system structure, topologies and distances, installation, performance and testing. The Standard needs revision to reorganize content among its parts for ease of maintenance. Certain types of equipment outlets are added. Coaxial cabling is incorporated by reference to ANSI/TIA-568-C.4.

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: Same

## TIA (Telecommunications Industry Association)

### **Revision**

BSR/TIA 568.1-D-201x, Commercial Building Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 568-C.1-2009)

This Standard specifies requirements for telecommunications cabling within a commercial building and between commercial buildings in a campus environment. It defines terms, specifies cabling topology, lists cabling requirements, establishes cabling distances, sets telecommunications outlet/connector configurations and provides additional useful information.

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: Same

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

BSR/UL 1699C-201X, System Combination Arc-Fault Circuit Protection (new standard)

These requirements cover System Combination Arc-Fault Circuit Protection intended for installation in dwelling units. System Combination Arc-Fault Circuit Protection is a system consisting of an Outlet Branch Circuit Arc-Fault Circuit-Interrupter installed at the first outlet of a branch circuit in combination with a specified Molded Case Circuit Breaker installed as the branch circuit over current protective device.

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: Edward Minasian, (631) 546-3305, [Edward.D.Minasian@ul.com](mailto:Edward.D.Minasian@ul.com)

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

BSR/UL 1598A-2005 (R201x), Standard for Safety for Supplemental Requirements for Luminaires for Installation on Marine Vessels (reaffirmation of ANSI/UL 1598A-2005 (R2009))

The following is being proposed: (1) Reaffirmation and continuance of the First Edition of the Standard for Supplemental Requirements for Luminaires for Installation on Marine Vessels, UL 1598A, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to [psa@ansi.org](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 1996-201x, Standard for Safety for Electric Duct Heaters (revision of ANSI/UL 1996-2011)

The following is being proposed: (1) Revision of the standard to meet the requirements in NFPA 70 Article 424.66.

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: Jeff Prusko, (847) 664-3416, [jeffrey.prusko@ul.com](mailto:jeffrey.prusko@ul.com)

**Comment Deadline: June 3, 2014**

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

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

BSR/UL 60730-2-13-201X, Standard for Automatic Electrical Controls for Household and Similar Use - Part 2-13: Particular Requirements for Humidity Sensing Controls (identical national adoption of IEC 60730-2-13)

This part of IEC 60730 applies to automatic electrical humidity sensing controls for use in, on or in association with equipment for household and similar use, including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof. This standard applies to automatic electrical controls, mechanically or electrically operated, responsive to or controlling humidity.

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: Alan McGrath, (847) 664-3038, [alan.t.mcgrath@ul.com](mailto:alan.t.mcgrath@ul.com)

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

BSR/UL 1062-201x, Standard for Safety for Unit Substations (new standard)

These requirements cover unit substations of 1000 kVA single-phase and 3000 kVA 3-phase maximum having a maximum nominal primary or secondary rating of 600 volts. Their construction, installation, and use are intended to be in accordance with the National Electrical Code, ANSI/NFPA 70.

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: Edward Minasian, (631) 546-3305, [Edward.D.Minasian@ul.com](mailto:Edward.D.Minasian@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).

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

AAMI/ISO TIR 17137-2014, Cardiovascular Implants and Extracorporeal Systems – Cardiovascular Absorbable Implants (TECHNICAL REPORT) (technical report)

Outlines design verification and validation considerations for absorbable cardiovascular implants.

Single copy price: \$65.00 for AAMI members, \$130.00 for non-members

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

Order from: Cliff Bernier, (703) 525-4890, [CBernier@aami.org](mailto:CBernier@aami.org); [customerservice@aami.org](mailto:customerservice@aami.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Cliff Bernier, (703) 525-4890, [CBernier@aami.org](mailto:CBernier@aami.org)

## Projects Withdrawn from Consideration

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

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

BSR/ASME B18.8.10M-200x, Knurl Pins - Metric Series (new standard)

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

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

BSR/ASME B18.8.11-200x, Knurl Pins - Inch Series (new standard)

## Correction

### **Error in Listing**

#### **ANSI/ASHRAE Standard 135-2012**

BSR/ASHRAE Addendum am to ANSI/ASHRAE Standard 135-2012 was mistakenly listed in the call for comment section of the March 28, 2014 Standards Action. The comment period for this project will commence on April 11, 2014.

# 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.

## ASA (ASC S1) (Acoustical Society of America)

**Office:** 35 Pinelawn Road  
Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Phone:** (631) 390-0215

**Fax:** (631) 390-0217

**E-mail:** sblaeser@aip.org; asastds@aip.org

BSR/ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI ASA S1.18-2010)

BSR/ASA S1.11-201x /Part 1/ IEC 61260-1:2014, Electroacoustics - Octave-band and fractional-octave-band filters - Part 1: Specifications (identical national adoption of IEC 61260-1:2014 and revision of ANSI/ASA S1.11-2004 (R2009))

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

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

**Contact:** Tanisha Meyers-Lisle

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

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

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

BSR/ASHRAE Standard 16-1983 (R201x), Method of Testing for Rating Room Air Conditioners and Packaged Terminal Air Conditioners (reaffirmation of ANSI/ASHRAE Standard 16-1983 (R2009))

BSR/ASHRAE Standard 58-1986 (R201x), Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity (reaffirmation of ANSI/ASHRAE Standard 58-1986 (R2009))

## AWPA (ASC O5) (American Wood Protection Association)

**Office:** P.O. Box 361784  
Birmingham, AL 35236-1784

**Contact:** Colin McCown

**Phone:** (205) 733-4077

**Fax:** (205) 733-4075

**E-mail:** mccown@awpa.com

BSR O5.4-201x, Naturally Durable Hardwood Poles - Specifications and Dimensions (revision of ANSI O5.4-2009)

## CEA (Consumer Electronics Association)

**Office:** 1919 South Eads Street  
Arlington, VA 22202

**Contact:** Veronica Lancaster

**Phone:** (703) 907-7697

**Fax:** (703) 907-4197

**E-mail:** vlancaster@ce.org; dwilson@ce.org

BSR/CEA 608-E-2008 (R201x), Line 21 Data Services (reaffirmation of ANSI/CEA 608-E-2008)

## ECA (Electronic Components Association)

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

**Contact:** Laura Donohoe

**Phone:** (571) 323-0294

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

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

BSR/EIA 60938-2-1-201x, Fixed Inductors for Electromagnetic Interference Suppression: Part 2-1: Blank Detail Specification - Inductors for Which Safety Tests Are Required - Assessment Level D (identical national adoption of IEC 60938-2-1)

## HI (Hydraulic Institute)

**Office:** 6 Campus Drive  
1st Floor, North  
Parsippany, NJ 07054-4406

**Contact:** Zach O'Neil

**Phone:** (973) 267-9700 x119

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

**E-mail:** zoneill@pumps.org

BSR/HI 3.1-3.5-201x, Standard for Rotary Pumps for Nomenclature, Definitions, Application and Operation (revision of ANSI/HI 3.1-3.5-2008)

## ISA (International Society of Automation)

**Office:** 67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** Charles Robinson

**Phone:** (919) 990-9213

**Fax:** (919) 549-8288

**E-mail:** crobenson@isa.org

BSR/ISA 95.00.06-201x, Enterprise-Control System Integration - Part 6: Messaging Service Model (new standard)

**ISEA (International Safety Equipment Association)**

**Office:** 1901 North Moore Street  
Suite 808  
Arlington, VA 22209

**Contact:** *Cristine Fargo*

**Phone:** (703) 525-1695

**Fax:** (703) 525-1698

**E-mail:** cfargo@safetysafetyequipment.org

BSR/ISEA 107-201x, High Visibility Safety Apparel and Headwear  
(revision of ANSI/ISEA 107-2010)

**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@itc.org

INCITS 496-2012/AM1-201x, Information technology - Fibre Channel -  
Security Protocols - 2 - Amendment 1 (new standard)

INCITS/ISO/IEC 18033-3:2005/Cor2-2009, Information technology -  
Security techniques - Encryption algorithms - Part 3: Block ciphers -  
Corrigendum 2 (withdrawal of INCITS/ISO/IEC 18033-3:2005/Cor2  
-2009)

INCITS/ISO/IEC 18033-3:2005/Cor3-2009, Information technology -  
Security techniques - Encryption algorithms - Part 3: Block ciphers -  
Corrigendum 3 (withdrawal of INCITS/ISO/IEC 18033-3:2005/Cor3  
-2009)

**NEMA (ASC C82) (National Electrical Manufacturers Association)**

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

**Contact:** *Karen Willis*

**Phone:** (703) 841-3277

**Fax:** (703) 841-3377

**E-mail:** Karen.Willis@nema.org

BSR C82.16-201x, Lighting Equipment - Light Emitting Diode Drivers -  
Methods of Measurement (new standard)

**NEMA (National Electrical Manufacturers Association)**

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

**Contact:** *Vincent Baclawski*

**Phone:** (703) 841-3236

**Fax:** (703) 841-3336

**E-mail:** vin\_baclawski@nema.org

BSR/NEMA SB 40-201x, Communications Systems for Life Safety in  
Schools (revision of ANSI/NEMA SB 40-2010)

**NISO (National Information Standards Organization)**

**Office:** One North Charles Street  
Suite 1905  
Baltimore, MD 21201

**Contact:** *Cynthia Hodgson*

**Phone:** (301) 654-1523

**Fax:** (410) 685-5278

**E-mail:** hodgsonca@verizon.net

BSR/NISO Z39.101-201x, U.S. Profile of ISO 3166 - Codes for the  
Representation of Names of Countries and their Subdivisions (new  
standard)

**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

BSR/TIA 568.0-D-201x, Generic Telecommunications Cabling for  
Customer Premises (revision and redesignation of ANSI/TIA 568-C.0  
-2009)

BSR/TIA 568.1-D-201x, Commercial Building Telecommunications  
Infrastructure Standard (revision and redesignation of ANSI/TIA 568-  
C.1-2009)

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

**Office:** 1285 Walt Whitman Road  
Melville, NY 11747-3081

**Contact:** *Edward Minasian*

**Phone:** (631) 546-3305

**Fax:** (631) 439-6757

**E-mail:** Edward.D.Minasian@ul.com

BSR/UL 1062-201x, Standard for Safety for Unit Substations (new  
standard)

BSR/UL 2586-201x, Standard for Safety for Hose Nozzle Valves  
(revision of ANSI/UL 2586-2013)

BSR/UL 60730-2-13-201X, Standard for Automatic Electrical Controls  
for Household and Similar Use - Part 2-13: Particular Requirements  
for Humidity Sensing Controls (identical national adoption of IEC  
60730-2-13)

# 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.

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## **ASIS (ASIS International)**

### ***New Standard***

ANSI/ASIS SCRM.1-2014, Supply Chain Risk Management: A

Compilation of Best Practices (new standard): 3/28/2014

ANSI/ASIS SPC.2-2014, Auditing Management Systems - Risk,

Resilience, Security and Continuity - Guidance for Application (new standard): 3/28/2014

## **HL7 (Health Level Seven)**

### ***New Standard***

ANSI/HL7 V3 IS, R1-2014, HL7 Version 3 Standard: Identification

Service (IS), Release 1 (new standard): 4/1/2014

## **ISA (International Society of Automation)**

### ***New National Adoption***

ANSI/ISA 60079-11 (12.02.01)-2014, Explosive atmospheres - Part

11: Equipment protection by intrinsic safety "i" (national adoption of IEC 60079-11 with modifications and revision of ANSI/ISA 60079-11 (12.02.01)-2013 Edition 6.1): 3/28/2014

## **NSF (NSF International)**

### ***Revision***

- \* ANSI/NSF 50-2014 (i86r1), Equipment for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2013): 3/31/2013
- \* ANSI/NSF BIFMA e3-2014 (i16r2), Sustainable Furniture (revision of ANSI/BIFMA e3-2012): 3/30/2014

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

### ***New National Adoption***

ANSI/UL 60730-2-7-2014, Standard for Automatic Electrical Controls for Household and Similar Use - Part 2-7: Particular Requirements for Timers and Time Switches (identical national adoption of IEC 60730-2-7): 3/21/2014

### ***Revision***

ANSI/UL 2127-2014, Standard for Safety for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2013): 3/27/2014

- \* ANSI/UL 2388-2014, Standard for Safety for Flexible Lighting Products (revision of ANSI/UL 2388-2009): 3/31/2014
- \* ANSI/UL 2388-2014a, Standard for Safety for Flexible Lighting Products (revision of ANSI/UL 2388-2009): 3/31/2014

# 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.

## ANS (American Nuclear Society)

**Office:** 555 North Kensington Avenue  
LaGrange Park, IL 60526

**Contact:** *Kathryn Murdoch*

**Fax:** (708) 579-8248

**E-mail:** [kmurdoch@ans.org](mailto:kmurdoch@ans.org)

BSR/ANS 8.24-201x, Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations (revision of ANSI/ANS 8.24-2007 (R2012))

Stakeholders: NRC licensed Special Nuclear Material (SNM) facilities and DOE SNM facilities.

**Project Need:** The standard will provide guidance on establishing the process and techniques that should be considered and/or used in the validation of neutron transport calculational methods applied to nuclear criticality safety analyses. The standard will provide guidance for establishing the area of applicability, estimating the bias and uncertainties and selecting appropriate margins, both within and beyond the established area of applicability.

This standard provides requirements and guidelines for validation, including establishing applicability, of neutron transport calculational methods used in determining critical or subcritical conditions for nuclear criticality safety analyses.

## ASA (ASC S1) (Acoustical Society of America)

**Office:** 35 Pinelawn Road  
Suite 114E  
Melville, NY 11747

**Contact:** *Susan Blaeser*

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

BSR/ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2010)

Stakeholders: Acoustical engineers, researchers interested in outdoor sound.

**Project Need:** The current standard should be revised (a) to relax the need for prescribed geometries and sources (based on a recent work by Kirk Alberts, JASA EL, DOI 10.1121/1.4826149 and by Soh et al JASA 128 (5) EL286 - EL293) and (b) to allow for improvements in commonly available instrumentation including guidance on the use of Sound Level Meters with spectral analysis capabilities.

This standard describes procedures for obtaining the real and imaginary parts of normalized acoustic impedance ratio of ground surfaces from in-situ measurements of the sound pressure levels at two vertically separated microphones using specified geometries and the averaged values of the difference between the simultaneous instantaneous sound-pressure signals at the two microphones.

BSR/ASA S1.11-201x /Part 1/ IEC 61260-1:2014, Electroacoustics - Octave-band and fractional-octave-band filters - Part 1: Specifications (identical national adoption of IEC 61260-1:2014 and revision of ANSI/ASA S1.11-2004 (R2009))

Stakeholders: Acousticians, noise control engineers, scientists, engineers, government agencies charged with enforcement of noise control or environmental regulations.

**Project Need:** This new edition of IEC 61260-1 is technically improved over the older ANSI/ASA S1.11. The IEC intends to follow on with two additional parts (pattern evaluation tests and periodic tests), which we anticipate adopting upon completion, subject to TAG approval.

This part of the IEC 61260 series specifies performance requirements for analogue, sampled-data, and digital implementations of band-pass filters. The extent of the pass-band region of a filter's relative attenuation characteristic is a constant percentage of the exact mid-band frequency for all filters of a given bandwidth. An instrument conforming to the requirements of this standard may contain any number of contiguous band-pass filters covering any desired frequency range.

## ASA (ASC S12) (Acoustical Society of America)

**Office:** 35 Pinelawn Road  
Suite 114E  
Melville, NY 11747

**Contact:** *Susan Blaeser*

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

\* BSR/ASA S12.10-201x/Part-2, Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment - Part 2: Declaration of Noise Emission Levels (revision of ANSI/ASA S12.10-2011/Part 2)

Stakeholders: Information technology and telecommunications equipment.

**Project Need:** The recently revised ECMA 109 standard has made a significant change in declaring mean (measured) level accompanied by a statistical adder as opposed to listing a single value of an "upper-limit" for declared sound power levels. This new version is being brought forward for ANSI S12.10 Part-2 adoption to harmonize the standards in support of the concept of declaring the mean.

The methods prescribed define how to calculate and disclose two noise emission specification values: the mean A-weighted sound power level LWA,m and the mean A-weighted sound pressure level LpA,m at the operator or bystander positions. Additionally, the mean sound power level is accompanied by a statistical adder for verification, Kv, for a batch of machines. These results enable 3rd party verification, and permits consistent comparison of IT equipment by consumers, purchasing agencies, etc.

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

**Office:** Two Park Avenue  
New York, NY 10016

**Contact:** *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** ansibox@asme.org

BSR/ASME B4.1-1967 (R2009), Preferred Limits and Fits for Cylindrical Parts (revision of ANSI/ASME B4.1-1967 (R2009))

Stakeholders: Aerospace, automotive, Department of Defense, heavy equipment industry, and the medical equipment industry.

Project Need: This standard presents definitions of terms applying to fits between plain (non-threaded) cylindrical parts and makes recommendations on preferred sizes, allowances, tolerances, and fits for use wherever they are applicable.

The document once was a vital reference, but the current standard is over forty years old and the requirements it provides are no longer current. The goal is to revise the document to include requirements for engineering drawing software as well as ensure consistency with the latest geometric dimensioning and tolerancing practices.

BSR/ASME B4.2-201x, Preferred Metric Limits And Fits (revision of ANSI/ASME B4.2-1978 (R2009))

Stakeholders: Aerospace, automotive, Department of Defense, heavy equipment industry, and the medical equipment industry.

Project Need: The document once was a vital reference, but the current standard is over forty years old and the requirements it provides are no longer current. The goal is to revise the document to include requirements for engineering drawing software as well as ensure consistency with the latest geometric dimensioning and tolerancing practices.

This standard describes the system of metric limits and fits for mating parts. It establishes: (1) the designation symbols used to define specific dimensional limits on drawings, material stock, related tools, gages, etc., (2) the preferred basic sizes (first and second choices), (3) the preferred tolerance zones (first, second, and third choices), (4) the preferred limits and fits for sizes (first choice only) up to and including 500 millimeters, and (5) definitions of related terms.

BSR/ASME B30.1-201x, Jacks, Industrial Rollers, Air Casters, and Hydraulic Gantries (revision of ANSI/ASME B30.1-2009)

Stakeholders: Jacks, industrial rollers, air casters, and hydraulic gantries owners, users, operators, and inspectors.

Project Need: Updates to this document are required to incorporate proposed revisions.

Volume B30.1 includes provisions that apply to the construction, operation, inspection, testing, and maintenance of mechanical ratchet jacks, hand- or power-operated mechanical screw jacks, hand- or power-operated hydraulic jacks, air-lifting bags, industrial rollers, air casters, telescopic hydraulic gantry systems, and strand jacks. Not included in this Volume are jacks designed for automotive service, trip-lowered jacks, jacks designed for static support rather than lifting, and jacks, industrial bollers, air-lifting bags or air casters that are an integral part of other equipment.

**AWPA (ASC O5) (American Wood Protection Association)**

**Office:** P.O. Box 361784  
Birmingham, AL 35236-1784

**Contact:** *Colin McCown*

**Fax:** (205) 733-4075

**E-mail:** mccown@awpa.com

BSR O5.4-201x, Naturally Durable Hardwood Poles - Specifications and Dimensions (revision of ANSI O5.4-2009)

Stakeholders: Electric and communications utilities and wood pole manufacturers and distributors.

Project Need: General technical review and update of the current American National Standard.

This Standard provides minimum specifications for the quality and dimensions of naturally durable hardwood poles without preservative treatment to be used in single-pole utility structures. The poles described are considered as simple cantilever members subject to transverse loads only. Fiber strength values, provided as a basis for determining pole class sizes, apply only to poles that meet or exceed the minimum quality specifications. These fiber strength values may be used to estimate average groundline moment capacity of the poles listed therein.

**HI (Hydraulic Institute)**

**Office:** 6 Campus Drive  
1st Floor, North  
Parsippany, NJ 07054-4406

**Contact:** *Zach O'Neil*

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

**E-mail:** zoneill@pumps.org

BSR/HI 3.1-3.5-201x, Standard for Rotary Pumps for Nomenclature, Definitions, Application and Operation (revision of ANSI/HI 3.1-3.5-2008)

Stakeholders: Pump manufacturers, suppliers, consultants, and users.

Project Need: The purpose of this subcommittee is to provide a guide for the design and application of rotary pumps for various services. This is not an attempt to cover all phases of rotary pump design and application but an endeavor has been made to recognize and identify the application requirements of the most common industry segments. Principal features of pumps and the necessary precautions for proper use are pointed out.

This Standard applies to industrial/commercial rotary positive displacement pumps. It includes: types and nomenclature; definitions; design and application; and installation, operation, and maintenance. It does not include standards on magnetic drives for sealless pumps nor rotary pumps primarily used for fluid power applications.

**ISEA (International Safety Equipment Association)**

**Office:** 1901 North Moore Street  
Suite 808  
Arlington, VA 22209

**Contact:** *Cristine Fargo*

**Fax:** (703) 525-1698

**E-mail:** cfargo@safetysafetyequipment.org

BSR/ISEA 107-201x, High Visibility Safety Apparel and Headwear (revision of ANSI/ISEA 107-2010)

Stakeholders: High-visibility-material and end-product manufacturers; test houses; distributors; end-product wearers including, but not limited to, those in the construction, utility, and transportation industries.

Project Need: Provide updated document to reflect current test methods, material technology, and other considerations related to the manufacture and use of high-visibility safety apparel.

This standard specifies performance requirements for high visibility safety apparel intended to provide conspicuity to the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark. Performance requirements are included for color, retroreflection, and minimum areas and design. Performance requirements are also provided for the physical properties of background materials. Test methods are provided in the standard to help ensure that a minimum level of visibility is maintained when garments are subjected to ongoing care procedures.

**NEMA (ASC C82) (National Electrical Manufacturers Association)**

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

**Contact:** *Karen Willis*

**Fax:** (703) 841-3377

**E-mail:** Karen.Willis@nema.org

\* BSR C82.16-201x, Lighting Equipment - Light Emitting Diode Drivers - Methods of Measurement (new standard)

Stakeholders: Manufacturers, designers, testing labs.

Project Need: This project is needed because it sets forth the procedures and precautions for measuring performance of LED Drivers.

This is a new standard to set forth and describe procedures to be followed and precautions to be taken in measuring performance of LED Drivers.

**NEMA (National Electrical Manufacturers Association)**

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

**Contact:** *Vincent Baclawski*

**Fax:** (703) 841-3336

**E-mail:** vin\_baclawski@nema.org

BSR/NEMA SB 40-201x, Communications Systems for Life Safety in Schools (revision of ANSI/NEMA SB 40-2010)

Stakeholders: Producers and installers of emergency communications systems, school administrators, and school maintenance personnel.

Project Need: Update information contained in the standard to reflect changes in codes, standards, and technologies.

This Standard covers the application, installation, location, performance, and maintenance of school emergency communications systems and their components.

**NISO (National Information Standards Organization)**

**Office:** One North Charles Street  
Suite 1905  
Baltimore, MD 21201

**Contact:** *Cynthia Hodgson*

**Fax:** (410) 685-5278

**E-mail:** hodgsonca@verizon.net

BSR/NISO Z39.101-201x, U.S. Profile of ISO 3166 -- Codes for the Representation of Names of Countries and their Subdivisions (new standard)

Stakeholders: Industry, libraries, academia, government, software developers, and system vendors.

Project Need: This project will transition the Geopolitical Entities, Names, and Codes (GENC) Standard, developed by the National Geospatial-Intelligence Agency in 2012, from a government standard to an American National Standard. Adoption of such a U.S. standard will ease technical communications between industry, the federal government, and the international community in the transmission of country-related data.

This standard is intended to be a U.S. profile of the international standard ISO 3166, Codes for the representation of names of countries and their subdivisions. It incorporates some needs specific to the United States, such as national sovereignty recognition policy restrictions; the requirement to use names of geopolitical entities that have been approved by the U.S. Board on Geographic Names (U.S. Public Law 80-242), but which may not be recognized by the body that manages ISO 3166; and the need to identify and recognize geopolitical entities not identified in ISO 3166.

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

**Office:** 12 Laboratory Drive  
RTP, NC 27709

**Contact:** *Dale Ivery*

**E-mail:** Dale.Ivery@ul.com

BSR/UL 4248-19-201x, Standard for Safety for Photovoltaic Fuseholders (new standard)

Stakeholders: Manufacturers and users of photovoltaic fuseholders.

Project Need: To attain a national based standard covering the construction and operation of photovoltaic fuseholders.

These requirements cover fuseholders intended for use with photovoltaic fuses.

## American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

<p><b>AAMI</b> Association for the Advancement of Medical Instrumentation (AAMI) 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 525-4890 Fax: (703) 276-0793 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASIS</b> ASIS International 1625 Prince Street Alexandria, VA 22314-2818 Phone: (703) 518-1439 Fax: (703) 518-1517 Web: <a href="http://www.asisonline.org">www.asisonline.org</a></p>	<p><b>ECA</b> Electronic Components Association 2214 Rock Hill Road Suite 170 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: <a href="http://www.eciaonline.org">www.eciaonline.org</a></p>	<p><b>NEMA (ASC C82)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3277 Fax: (703) 841-3377 Web: <a href="http://www.nema.org">www.nema.org</a></p>
<p><b>ADA (Organization)</b> American Dental Association 211 E. Chicago Ave Chicago, IL 60611 Phone: (312) 440-2533 Fax: (312) 440-2529 Web: <a href="http://www.ada.org">www.ada.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers 200 Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>HI</b> Hydraulic Institute 6 Campus Drive 1st Floor, North Parsippany, NJ 07054-4406 Phone: (973) 267-9700 x119 Fax: (973) 267-9055 Web: <a href="http://www.pumps.org">www.pumps.org</a></p>	<p><b>NEMA (Canvass)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3236 Fax: (703) 841-3336 Web: <a href="http://www.nema.org">www.nema.org</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue LaGrange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: <a href="http://www.ans.org">www.ans.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>HL7</b> Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Ext 104 Fax: (734) 677-6622 Web: <a href="http://www.hl7.org">www.hl7.org</a></p>	<p><b>NISO</b> National Information Standards Organization One North Charles Street Suite 1905 Baltimore, MD 21201 Phone: (301) 654-1523 Fax: (410) 685-5278 Web: <a href="http://www.niso.org">www.niso.org</a></p>
<p><b>ASA (ASC S12)</b> Acoustical Society of America 35 Pinelawn Road Suite 114E Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 390-0217 Web: <a href="http://www.acousticalsociety.org">www.acousticalsociety.org</a></p>	<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>ISA (Organization)</b> ISA-The Instrumentation, Systems, and Automation Society 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Fax: (919) 549-8288 Web: <a href="http://www.isa.org">www.isa.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 Phone: (734) 827-6819 Fax: (734) 827-7875 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 429-4197 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>AWPA (ASC O5)</b> American Wood Protection Association P.O. Box 361784 Birmingham, AL 35236-1784 Phone: (205) 733-4077 Fax: (205) 733-4075 Web: <a href="http://www.awpa.com">www.awpa.com</a></p>	<p><b>ISEA</b> International Safety Equipment Association 1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Fax: (703) 525-1698 Web: <a href="http://www.safetysafetyequipment.org">www.safetysafetyequipment.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7497 Fax: (703) 907-7727 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (678) 539-1214 Fax: (678) 539-2214 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36 Street, #130 Miami, FL 33166 Phone: (305) 443-9353 x305 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5741 Fax: 202-638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 12 Laboratory Drive RTP, NC 27709 Phone: (919) 549-0989 Web: <a href="http://www.ul.com">www.ul.com</a></p>
	<p><b>CEA</b> Consumer Electronics Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: <a href="http://www.ce.org">www.ce.org</a></p>		



# ISO & IEC Draft International Standards

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

## Comments

Comments regarding ISO documents should be sent to Karen Hughes at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

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

## ISO Standards

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

ISO/DTR 37137, Biological evaluation of medical devices - Guidance for absorbable implants - 7/4/2014

### **CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)**

ISO/DIS 17785-1, Test Methods for Pervious Concrete - Part 1: Permeability - 7/4/2014

### **INTERNAL COMBUSTION ENGINES (TC 70)**

ISO/DIS 4548-14, Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 14: Cold start simulation and hydraulic pulse durability for composite filter housings - 7/4/2014

### **MECHANICAL VIBRATION AND SHOCK (TC 108)**

ISO/DIS 16063-32, Methods for the calibration of vibration and shock transducers - Part 32: Resonance testing - Testing the frequency and the phase response of accelerometers by means of shock excitation - 7/5/2014

### **PLASTICS (TC 61)**

ISO/DIS 1922, Rigid cellular plastics - Determination of shear strength - 7/4/2014

### **SHIPS AND MARINE TECHNOLOGY (TC 8)**

ISO/DIS 16706, Ships and Marine Technology - Marine evacuation systems - 7/4/2014

### **TEXTILES (TC 38)**

ISO/DIS 18066, Textiles - Man-made filament yarns - Determination of the boiling water shrinkage - 7/4/2014

ISO/DIS 18067, Textiles - Synthetic filament yarns - Determination of shrinkage rate in dry and hot air - 7/4/2014

## ISO/IEC JTC 1, Information Technology

ISO/IEC CD 17991, Method for Measuring Scanning Productivity of Digital Multifunctional Devices - 7/4/2014

ISO/IEC CD 29500-3, Information technology - Document description and processing languages - Office Open XML File Formats - Part 3: Markup Compatibility and Extensibility - 7/4/2014

## IEC Standards

22F/347/DTR, IEC/TR 62757 Ed.1: Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls, 05/30/2014

23A/703/FDIS, Amendment 1 to IEC 61386-1 Ed.2: Conduit systems for cable management - Part 1: General requirements, 05/30/2014

26/540/CD, IEC 60974-10 A1 Ed.3: Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements, 05/30/2014

31/1118/DC, IEC 62784 from IEC/SC 61J Electrical motor-operated cleaning appliances for commercial use, 05/09/2014

33/554/CDV, IEC 60358-4/Ed1: Coupling capacitors and capacitor dividers - Part 4: AC and DC single-phase capacitor dividers and RC divider, 07/04/2014

33/558/CDV, IEC 60143-3/Ed2: Series capacitors for power systems - Part 3: Internal fuses, 07/04/2014

34A/1765/CD, IEC 62922 Ed.1: Organic light emitting diode (OLED) panels for general lighting - Performance requirements, 07/04/2014

34C/1079/CDV, IEC 62733 Ed.1: Programmable components in electronic lamp controlgear - General and safety requirements, 07/04/2014

34C/1080/CDV, IEC 62811 Ed.1: AC and/or DC-supplied electronic controlgear for discharge lamps (excluding fluorescent lamps) - Performance requirements for low frequency square wave operation, 07/04/2014

34D/1111/CDV, IEC 60598-2-5 Ed.3: Luminaires - Part 2-5: Particular requirements - Floodlights, 07/04/2014

37/416/FDIS, IEC 60099-4/Ed3: Surge arresters - Part 4: metal-oxide surge arresters without gaps for a.c. Systems, 05/30/2014

37/417/FDIS, IEC 60099-9/Ed1: Surge arresters - Part 9: Metal-oxide surge arresters without gaps for HVDC converter stations, 05/30/2014

40/2287/NP, Electrical characteristics test methods of hybrid electric double layer capacitor for use in electric and electronic equipment, 07/04/2014

44/706/CD, IEC 62745 Ed 1: Safety of machinery - General requirements for cableless control systems of machinery, 06/27/2014

- 46A/1188A/FDIS, EC 61196-1-111/Ed.2: Coaxial Communication Cables - Part 1-111: Electrical test methods - Stability of phase test methods, 05/23/2014
- 46F/264/CDV, IEC 61169-50 ed 1.0: Radio-Frequency Connectors - Part 50: Sectional specifications RF coaxial connectors with inner diameter of outer conductors 4.11 mm with quick lock system. Characteristics impedance 50 Ohm (type QMA), 07/04/2014
- 47D/850A/CDV, IEC 60191-6-13 Ed.2: Mechanical standardization of semiconductor devices - Part 6-13: Design guideline of open-top-type sockets for Fine-pitch Ball Grid Array and Fine-pitch Land Grid Array (FBGA/FLGA), 07/04/2014
- 48B/2381/CD, IEC 60603-7-81/Ed1: Connectors for electronic equipment - Part 7-81: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 2000 MHz, 07/04/2014
- 48D/561/CD, IEC 60297-3-109/Ed1: Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 109: dimensions of chassis for embedded computing, 07/04/2014
- 57/1453/FDIS, IEC 60870-6-503 Ed.3: Telecontrol equipment and systems - Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Services and protocol, 05/30/2014
- 57/1454/FDIS, IEC 60870-6-702 Ed.2: Telecontrol equipment and systems - Part 6-702: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Functional profile for providing the TASE.2 application service in end systems, 05/30/2014
- 57/1455/FDIS, IEC 60870-6-802 Ed.3: Telecontrol equipment and systems - Part 6-802: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Object models, 05/30/2014
- 59K/252/FDIS, IEC 60705 A1 Ed.4: Amendment 1 to IEC 60705 Ed.4: Household microwave ovens - Methods for measuring performance, 05/30/2014
- 62A/932/FDIS, IEC 60601-1-12: Part 1-12: Medical electrical equipment - General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment, 05/30/2014
- 65B/909/CDV, IEC 60534-2-3 Ed. 3.0: Industrial-process control valves - Part 2-3: Flow capacity - Test procedures, 07/04/2014
- 65B/910/CDV, IEC 60534-8-4, Ed. 3.0: Industrial-process control valves - Part 8-4: Noise considerations - Prediction of noise generated by hydrodynamic flow, 07/04/2014
- 65B/919/CD, IEC 60534-4, Ed. 4: Industrial-process control valves - Part 4: Inspection and routine testing, 07/04/2014
- 66/526A/CD, IEC 61010-2-120 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -120: Particular safety requirements for equipment with aspects of machinery, 05/23/2014
- 66/528/CD, IEC 61010-2-011 Ed.1: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -011: Particular requirements for Refrigerated Equipment, 05/30/2014
- 69/287/CD, ISO 15118-4 Ed.1: Road vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test, 06/06/2014
- 77C/233/CD, IEC 61000-4-24: Electromagnetic Compatibility (EMC) - Part 4-24: Testing and measurement techniques - Test methods for protective devices for HEMP conducted disturbance, 07/04/2014
- 86A/1582/CDV, IEC 60794-1-21/Ed1: Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical Tests Methods, 07/04/2014
- 89/1213/AC, PT 60695-2-14: Glow-wire Ignition Tests for Parts - Call for experts, 05/30/2014
- 100/2274/CDV, IEC 62379-3 Ed.1.0: Common control interface for networked digital audio and video products - Part 3: Video (TA 4), 07/04/2014
- 110/552/CDV, IEC 61988-4-1 Ed.1: Plasma display panels - Part 4-1: Environmental testing methods - Climatic and mechanical, 07/04/2014
- 110/553/CDV, IEC 61988-2-6: Plasma display panels - Part 2-6: Measuring methods - APL dependent gamma and colour characteristics, 07/04/2014
- CIS/A/1070/FDIS, Amendment 2 to CISPR 16-1-1 (f2): Requirements when using an external preamplifier with a measuring receiver, 05/30/2014
- 3D/225A/CD, IEC 62656-5/Ed.1: Standardized Product Ontology Register and Transfer by Spreadsheets - Part 5: Interface for activity description, 06/20/2014
- 9/1918/FDIS, IEC 61287-1 Ed.3: Railway applications - Power converters installed on board rolling stock - Part 1: Characteristics and test methods, 05/23/2014
- 22H/178/CD, IEC 62040-5-3 Ed.1: Uninterruptible power systems (UPS) - Part 5-3: Method of specifying the performance and test requirements for d.c. UPS, 05/23/2014
- 22H/179/CD, IEC 62040-2 Ed.3: Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements, 05/23/2014
- 22H/180/CD, IEC/TS 62040-4-1 Ed.1: Uninterruptible power systems (UPS) - Part 4-1: Environmental aspects - Product category rules (PCR) for life cycle assessment and environmental declarations, 05/23/2014
- 23H/304/NP, PNW 23H-304: Vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3-1: Dimensional compatibility and interchangeability requirements for a.c./d.c. pin and contact-tube vehicle couplers - Combined a.c./d.c. accessories for use with IEC 62196-2 Type 1 and Type 2 a.c. rated accessories and other combined a.c./d.c. accessories for d.c. charging., 06/27/2014
- 31/1106/CDV, IEC 60079-7/Ed5: Explosive atmospheres - Part 7: Equipment protection by increased safety 'e', 06/27/2014
- 31/1111/FDIS, IEC 60079-1/Ed7: Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d", 05/23/2014
- 32A/311/FDIS, IEC 60282-1/A1/Ed7: High-voltage fuses - Part 1: Current-limiting fuses, 05/23/2014
- 45A/955/CD, IEC 62859 Ed.1: Nuclear power plants - Instrumentation and control systems - Requirements for coordinating safety and cybersecurity, 06/27/2014
- 45A/957/CD, IEC 62646 Ed.2: Nuclear power plants - Control rooms - Computer based procedures, 06/27/2014
- 46A/1188/FDIS, EC 61196-1-111/Ed.2: Coaxial Communication Cables - Part 1-111: Electrical test methods - Stability of phase test methods, 05/23/2014
- 48B/2379/CD, IEC 61076-2-111/Ed1: Connectors for electronic equipment - Product requirements - Part 2-111: Circular connectors - Detail specification for power connectors with M12 screw-locking, 06/27/2014
- 61J/585/CD, IEC 62784/Ed1: Particular requirements for vacuum cleaners and dust extractors providing equipment protection level Dc for the collection of combustible dusts, 05/23/2014
- 62D/1123/CD, ISO 80601-2-74: Medical Electrical Equipment - Part 2 -74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment, 05/23/2014
- 64/1909/CDV, Amendment 1 to IEC 60364: Low voltage electrical installation Part 4-42: Protection for safety - Protection against thermal effects, 06/27/2014

- 65A/694/NP, Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 31: Software requirements - Reuse of pre-existing software elements to implement all or part of a safety function, 06/27/2014
- 66/526/CD, IEC 61010-2-120 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -120: Particular safety requirements for equipment with aspects of machinery, 05/23/2014
- 69/285/CDV, ISO/IEC17409/Ed.1: Electrically propelled road vehicles - Connection to an external electric power supply - Safety requirements, 06/27/2014
- 77C/232/NP, IEC 61000-5-x: Guide to the Application of HEMP and IEMI Publications, 06/27/2014
- 81/458/CD, IEC 62858 Ed.1: Lightning density based on lightning location systems, 06/27/2014
- 82/842/DC, Proposed revision of IEC 62108 Ed.1 (2007-12), Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval, 05/02/2014
- 85/469/CDV, IEC 62792: Electroshock weapon measurement method, 06/27/2014
- 86B/3725/CDV, IEC 61300-3-35/Ed2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers, 06/27/2014
- 110/549/CDV, IEC 61747-3-1 Ed. 3: Liquid crystal display devices - Part 3-1: Liquid crystal display (LCD) cells - Blank detail specification, 06/27/2014
- 110/566/CD, IEC 62595-2 Ed.2: LCD backlight unit - Part 2: Electro-optical measurement methods of LED backlight unit, 05/23/2014
- 121B/5A/NP, PNW 121B-5: Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for machinery (cabinets, boards or panels), 06/20/2014
- CIS/F/631/CDV, Amendment 3 to CISPR 14-2: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, 06/27/2014
- 2/1745/CD, IEC 60034-12 Ed.3: Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors, 06/20/2014
- 3D/225/CD, IEC 62656-5/Ed.1: Standardized Product Ontology Register and Transfer by Spreadsheets - Part 5: Interface for activity description, 06/20/2014
- 9/1913/FDIS, IEC 62290-1 Ed.2: Railway applications - Urban guided transport management and command/control systems - Part 1: System principles and fundamental concepts, 05/16/2014
- 9/1914/FDIS, IEC 62290-2 Ed.2: Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification, 05/16/2014
- 9/1916/FDIS, IEC 62695 Ed.1: Railway applications - Fixed installations - Traction transformers, 05/16/2014
- 17A/1062/CD, IEC 62271-101 A1 Ed.2: High-voltage switchgear and controlgear - Part 101: Synthetic testing, 06/20/2014
- 17C/599/CD, IEC/TR 62271-307 Ed.1: High-voltage switchgear and controlgear - Part 307: Guidance for the extension of validity of type tests of AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 06/20/2014
- 22/235/DTS, IEC/TS 62578 Ed.2: Power electronics systems and equipment - Operation conditions and characteristics of active infeed converter (AIC) applications including design recommendations for their emission values below 150 kHz, 06/20/2014
- 22/236/CD, Amendment 1 to IEC 62477-1 Ed.1: Safety requirements for power electronic converter systems and equipment - Part 1: General, 06/20/2014
- 23A/700A/FDIS, Amendment 1 to IEC 61534-1 Ed.2: Powertrack systems - Part 1: General requirements, 05/09/2014
- 23K/9/NP, PNW 23K-9: Particular requirements for load-shedding equipment (LSE), 06/20/2014
- 23K/10/NP, PNW 23K-10: Particular requirements for switch which control power sources, 06/20/2014
- 26/536/CD, IEC 62822-2 Ed.1: Assessment of electric welding equipment related to restrictions of human exposure to electromagnetic fields (0 Hz - 300 GHz) - Part 2: Basic Standard for Arc Welding Equipment, 05/16/2014
- 32B/626/FDIS, IEC 60269-1/A2/Ed4: Low-voltage fuses - Part 1: General requirements, 05/16/2014
- 38/473/CDV, IEC 62689-1: Current and Voltage sensors or detectors, to be used for fault passage indication purposes - Part 1: System aspects, 06/20/2014
- 38/474/CDV, IEC 62689-2: Current and Voltage sensors or detectors, to be used for fault passage indication purposes - Part 2: General principles and requirements, 06/20/2014
- 40/2285/CD, IEC 60384-14-1 Ed.3: Fixed capacitors for use in electronic equipment - Part 14-1: Blank detail specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Assessment level DZ, 06/20/2014
- 40/2286/CD, IEC 60384-14-2 Ed.2: Fixed capacitors for use in electronic equipment - Part 14-2: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Safety tests only, 06/20/2014
- 45B/791/FDIS, IEC 60860 Ed.2: Radiation protection instrumentation - Warning equipment for criticality accidents, 05/16/2014
- 46/507/CD, IEC 61935-1 Ed 4.0: Specification for the Testing of Balanced and Coaxial Information Technology Cabling - Part 1: Installed balanced cabling as specified in ISO/IEC 11801 and related standards, 06/20/2014
- 47F/185/FDIS, IEC 62047-21 Ed.1: Semiconductor devices - Micro-electromechanical devices - Part 21: Test method for Poisson's ratio of thin film MEMS materials, 05/16/2014
- 47F/186/FDIS, IEC 62047-22 Ed.1: Semiconductor devices - Micro-electromechanical devices - Part 22: Electromechanical tensile test method for conductive thin films on flexible substrates, 05/16/2014
- 47F/187/NP, Future IEC 62047-28: Semiconductor devices - Micro-electromechanical devices - Part 28: Vibration-driven MEMS electret energy harvesting devices, 06/20/2014
- 59K/251/CD, IEC 60350-1 Ed.2: Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance, 06/20/2014
- 65B/917A/FDIS, IEC 60770-3 Ed 2.0: Transmitters for use in industrial-process control systems - Part 3: Methods for performance evaluation of intelligent transmitters, 05/09/2014
- 65C/757A/FDIS, IEC 61158-1: Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series, 05/09/2014
- 65C/758/FDIS, IEC 61158-2: Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition, 05/16/2014
- 82/838/CD, IEC 62788-1-4 Ed.1: Measurement procedures for materials used in photovoltaic modules; Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off frequency, 06/20/2014
- 86A/1599/FDIS, IEC 60794-2-51/Ed1: Optical fibre cables - Part 2-51: Indoor cables - Detail specification for simplex and duplex cables for use in cords for controlled environment, 05/16/2014
- 86C/1234/FDIS, IEC 62572-3/Ed2: Fibre optic active components and devices - Reliability standards - Part 3: Laser modules used for telecommunication, 05/16/2014

- 106/299A/CD, IEC 62232: Determination of RF field strength and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure, 05/09/2014
- 110/564/NP, Future IEC 62629-13-1: 3D Display devices - Part 13-1: Visual inspection methods for stereoscopic displays using glasses, 06/20/2014
- 113/218/NP, ISO/IEC TS 80004-13: Nanotechnologies - Vocabulary - Part 13: Graphene and other two dimensional materials, 06/20/2014
- 121B/5/NP, PNW 121B-5: Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for machinery (cabinets, boards or panels), 06/20/2014
- CIS/F/630A/CDV, Amendment 1 to CISPR 15 (f3): Limits and methods of measurement of radio disturbance characteristics of lighting and similar equipment, 05/30/2014



# 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

### AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 16126:2014](#), Space systems - Assessment of survivability of unmanned spacecraft against space debris and meteoroid impacts to ensure successful post-mission disposal, \$132.00

### MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 18431-3:2014](#), Mechanical vibration and shock - Signal processing - Part 3: Methods of time-frequency analysis, \$77.00

[ISO 18436-7:2014](#), Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 7: Thermography, \$114.00

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

[ISO 16486-1/Amd1:2014](#), Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General - Amendment 1, \$22.00

[ISO 16486-2/Amd1:2014](#), Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes - Amendment 1, \$22.00

[ISO 16486-3/Amd1:2014](#), Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings - Amendment 1, \$22.00

[ISO 10952:2014](#), Plastics piping systems - Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Determination of the resistance to chemical attack for the inside of a section in a deflected condition, \$77.00

### REFRACTORIES (TC 33)

[ISO 16835:2014](#), Refractory products - Determination of thermal expansion, \$180.00

## ISO/IEC Guides

### OTHER

[ISO/IEC Guide 51:2014](#), Safety aspects - Guidelines for their inclusion in standards, \$114.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 15946-1/Cor2:2014](#), Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 1: General - Corrigendum 2, FREE

[ISO/IEC 24727-2/Amd1:2014](#), Identification cards - Integrated circuit card programming interfaces - Part 2: Generic card interface - Amendment 1, \$22.00

[ISO/IEC 24727-3/Amd1:2014](#), Identification cards - Integrated circuit card programming interfaces - Part 3: Application interface - Amendment 1, \$314.00

[ISO/IEC 24727-4/Amd1:2014](#), Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration - Amendment 1, \$295.00

[ISO/IEC 27036-1:2014](#), Information technology - Security techniques - Information security for supplier relationships - Part 1: Overview and concepts, \$108.00

[ISO/IEC 29145-1:2014](#), Information technology - Wireless Beacon-enabled Energy Efficient Mesh network (WiBEE) for wireless home network services - Part 1: PHY Layer, \$165.00

## IEC Standards

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

[IEC 60079-29-3 Ed. 1.0 b:2014](#), Explosive atmospheres - Part 29-3: Gas detectors - Guidance on functional safety of fixed gas detection systems, \$278.00

### POWER CAPACITORS (TC 33)

[IEC 60871-4 Ed. 2.0 b:2014](#), Shunt capacitors for AC power systems having a rated voltage above 1 000 V - Part 4: Internal fuses, \$55.00

### SWITCHGEAR AND CONTROLGEAR (TC 17)

[IEC 62271-SER Ed. 1.0 b:2014](#), High-voltage switchgear and controlgear - ALL PARTS, \$8290.00

[IEC 62271-201 Ed. 2.0 b:2014](#), High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, \$363.00

[IEC 62271-202 Ed. 2.0 b:2014](#), High-voltage switchgear and controlgear - Part 202: High-voltage/low-voltage prefabricated substation, \$363.00

### TERMINOLOGY (TC 1)

[IEC 60050-114 Ed. 1.0 b:2014](#), International Electrotechnical Vocabulary - Part 114: Electrochemistry, \$230.00

### WINDING WIRES (TC 55)

[IEC 60317-53 Ed. 2.0 b:2014](#), Specifications for particular types of winding wires - Part 53: Aromatic polyamide (aramid) tape wrapped rectangular copper wire, temperature index 220, \$97.00

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4946.

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

## PUBLIC REVIEW

Association of Chinese Students of Private Schools of America

Public Review: March 21 to June 13, 2014

IdenTrust Services, LLC

Public Review: March 14 to April 12, 2014

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# Proposed Foreign Government Regulations

## Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations 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

## 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 reply 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).

#### Redesignation and Repurposing of C78 Working Group

##### ASD Working Group

The National Electrical Equipment Manufacturers Association (NEMA) announces the re-purposing of The American National Standards Lighting Group (ANSLG) Accredited Standards Committee C78 Working Group 01. The working group, formerly tasked for Incandescent Standards, will now focus on developing standards for self-ballasted LED Direct Replacement Light Sources using power supplied from unmodified systems. The Working Group will be re-designated as C78 Working Group 10. Any interested parties, please contact NEMA at [www.nema.org](http://www.nema.org), or email [Karen.Willis@nema.org](mailto:Karen.Willis@nema.org).

## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### Georgia Tech Energy and Sustainability Services (GTESS)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of Georgia Tech Energy and Sustainability Services (GTESS), an ANSI Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on GTESS-sponsored American National Standards, effective March 28, 2014. For additional information, please contact: Ms. Holly Grell-Lawe, Standards Coordinator, Georgia Tech Energy & Sustainability Services, 75 5th Street NW, Suite 700, Atlanta, GA 30332-0640; phone: 404.558.5948; e-mail: [holly.lawe@innovate.gatech.edu](mailto:holly.lawe@innovate.gatech.edu).

## Withdrawal of ASC Accreditation and ANS

### ASC B212 – Cemented Carbides

Accredited Standards Committee B212, Cemented Carbides has requested the formal withdrawal of its accreditation as a developer of American National Standards and the withdrawal of all of its sponsored American National Standards and registered projects. These actions are taken, effective April 1, 2014. For additional information, please contact the former Secretariat of ASC B212, the Cemented Carbide Producers Association: Ms. Linda Hamill, Wherry Associates, 30200 Detroit Road, Cleveland, OH 44135; phone: 440.899.0010; e-mail: leh@wherryassoc.com.

## International Organization for Standardization (ISO)

### Administration of a U.S. TAG

#### U.S. TAG to ISO/TC 34/SC 18 – Cocoa

##### Comment Deadline: April 25, 2014

The American Oil Chemists' Society (AOCS) has requested ANSI to delegate the responsibilities of the administration of the US Technical Advisory Group (TAG) to TC 34/SC 18 to AOCS. The scope of TC 34/SC 18 is as follows:

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

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team isot@ansi.org by April 25, 2014.

### Call for US/TAG Administrator

#### ISO TC 29/SC 9 – Tools with Defined Cutting Edges, Cutting Items

ANSI has been informed that, Cemented Carbide Producers Association (CCPA), the ANSI-accredited US/TAG administrator for ISO/TC 29/SC 9, wishes to relinquish the role as US/TAG administrator.

ISO TC 29/SC 9 operates under the following scope:

Tools with defined cutting edges, cutting items having functional dimensions linked with cutting edges

Organizations interested in serving as the US/TAG administrator should contact [ISOT@ansi.org](mailto:ISOT@ansi.org).

### Establishment of Subcommittee

#### ISO/TC 282/SC 1 – Treated Wastewater Re-Use for Irrigation

TC 282, subject also to ratification from the TMB, has created a new ISO subcommittee on Treated wastewater re-use for Irrigation (ISO/TC 282/SC 1). The secretariat has been assigned to Israel (SII).

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

## U.S. Technical Advisory Groups

### Applications for Accreditation

#### U.S. TAG for ISO/PC 272 – Forensic Sciences

##### Comment Deadline: May 5, 2014

The American National Standards Institute (ANSI), with technical and financial support from the American Society of Crime Laboratory Directors (ASCLD) has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO/PC 272, Forensic sciences and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Mr. Jason Knopes, Sr. Manager, ISO Outreach and Enhanced Services, ANSI, 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 646.460.7897; e-mail: jknopes@ansi.org. Please forward any comments on this application to ANSI, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (fax: 212.840-2298; e-mail: jthomps@ansi.org) by May 5, 2014.

#### U.S. TAG for ISO/PC 278 – Anti-Bribery Management Systems

##### Comment Deadline: May 5, 2014

The American National Standards Institute (ANSI), with technical and financial support from Microsoft, has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO/PC 278, Anti-bribery management systems and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Mr. Jason Knopes, Sr. Manager, ISO Outreach and Enhanced Services, ANSI, 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 646.460.7897; e-mail: jknopes@ansi.org. Please forward any comments on this application to ANSI, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (fax: 212.840-2298; e-mail: jthomps@ansi.org) by May 5, 2014.

## Meeting Notice

### ASC Z133 – Arboriculture Operations – Safety Requirements

The next business meeting of the Accredited Standards Committee Z133 (ANSI Standard for Arboricultural Operations —Safety Requirements) will take place on April 16, 2014, at the Embassy Suites-BWI in Linthicum, Maryland. Recommendations for the anticipated 2017 Z133 standard revision will be discussed. For more information, please contact Janet Huber at the International Society of Arboriculture, ASC Z133 Secretariat, by phone +1 217.355.9411, ext. 259, or e-mail [jhuber@isa-arbor.com](mailto:jhuber@isa-arbor.com).

# Information Concerning

## American National Standards

### ANS Transfer from ASTM to AAMI

The maintenance of the following American National Standards has been transferred from ASTM International to AAMI (Association for the Advancement of Medical Instrumentation). Questions may be directed to: Colleen Elliott at [CElliott@aami.org](mailto:CElliott@aami.org).

ANSI/ASTM/ISO 10651-4

ANSI/ASTM/ISO 10651-5

ANSI/ASTM/ISO 21647

ANSI/ASTM/ISO 14408

ANSI/ASTM/ISO 5364

ANSI/ASTM/ISO IEC 60601.2.12

ANSI/ASTM/ISO IEC 80601-2-35

ANSI/ASTM/ISO 4135

ANSI/ASTM/ISO 5362

ANSI/ASTM/ISO 11195

ANSI/ASTM/ISO 5356-1

ANSI/ASTM/ISO 5360

ANSI/ASTM/ISO 5359

ANSI/ASTM/ISO 5361

ANSI/ASTM/ISO 5366-1

ANSI/ASTM/ISO 5366-3

ANSI/ASTM/ISO 10079-1

ANSI/ASTM/ISO 10079-2

ANSI/ASTM/ISO 10079-3

ANSI/ASTM/ISO 15002

ANSI/ASTM/ISO 9919

ISO 80601-2-13

ISO 11712

## Information Concerning

### ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

#### Initial Accreditation

#### RWDI Air, Inc.

#### Comment Deadline: May 5, 2014

##### RWDI Air, Inc.

Russ Lewis  
#1000, 736 8th Avenue SW  
Calgary, AB T2P 1H4, Canada  
Phone: 403-232-6771, Ext. 6241  
E-mail: [russ.lewis@rwdi.com](mailto:russ.lewis@rwdi.com)

On March 31, 2014, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee (GVAC) voted to approve initial accreditation for RWDI Air, Inc. for the following:

##### Standards:

ISO 14065: *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

##### Scopes:

*Verification of assertions related to GHG emission reductions & removals at the organizational level*

Group 1 – General

Group 3 – Power Generation

Group 7 – Chemical Production

Group 8 – Oil and gas extraction, production and refining including petrochemicals

Please send your comments by May 5, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

## Information Concerning

### ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

#### Reaccreditation

#### Stantec Consulting Ltd.

#### Comment Deadline: May 5, 2014

##### **Stantec Consulting Ltd.**

Vicki Corning  
845 Prospect Street  
Fredericton, New Brunswick E3B 2T7, Canada  
Phone: 506-457-3216  
E-mail: [vicki.vorning@stantec.com](mailto:vicki.vorning@stantec.com)

On March 31, 2014, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee (GVAC) voted to approve reaccreditation for Stantec Consulting, Ltd. for the following:

##### Standards:

ISO 14065: *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

##### Scopes:

*Verification of assertions related to GHG emission reductions & removals at the organizational level*

- Group 1 – General
- Group 2 – Manufacturing
- Group 3 – Power Generation
- Group 5 – Mining and Mineral Production
- Group 6 – Metals Production
- Group 7 – Chemical Production
- Group 8 – Oil and gas extraction, production and refining including petrochemicals
- Group 9 – Waste
- Group 10 – Agriculture, Forestry and Other Land Use (AFOLU)

*Validation and verification of assertions related to GHG emission reductions and removals at the project level*

- Group 1 – GHG emission reductions from fuel combustion
- Group 2 – GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
- Group 3 – Land Use and Forestry

Please send your comments by May 5, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

## Information Concerning

### ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

#### Scope Extension

#### Perry Johnson Registrars Carbon Emissions Services, Inc.

#### Comment Deadline: May 5, 2014

##### **Perry Johnson Registrars Carbon Emissions Services, Inc.**

Alyssa Gavin  
755 W. Big Beaver Road, Suite 1380  
Troy, MI 48084, USA  
Phone: 800-800-7910 ext. 4737  
E-mail: [agavin@pjr.com](mailto:agavin@pjr.com)

On March 31, 2014, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee (GVAC) voted to approve a scope extension for Perry Johnson Registrars Carbon Emissions Services, Inc. for the following:

##### Standards:

ISO 14065: *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

##### Scopes:

*Verification of assertions related to GHG emission reductions & removals at the organizational level*

Group 1 – General

Group 3 – Power Generation

Group 5 – Mining and Mineral Production

Group 8 – Oil and gas extraction, production and refining including petrochemicals

Group 9 – Waste

Please send your comments by May 5, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

## Information Concerning

### ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

#### Scope Extension

#### Ruby Canyon Engineering, Inc.

#### Comment Deadline: May 5, 2014

##### **Ruby Canyon Engineering, Inc.**

Michael Cote

743 Horizon Court, Suite 385

Grand Junction, CO 85106, USA

Phone: 970-241-9298, ext. 11

E-mail: [mcote@rubycanyoneng.com](mailto:mcote@rubycanyoneng.com)

On March 31, 2014, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee (GVAC) voted to approve a scope extension for Ruby Canyon Engineering, Inc. for the following:

##### Standards:

ISO 14065: *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

##### Scopes:

*Verification of assertions related to GHG emission reductions & removals at the organizational level*

Group 4 – Electric Power Transactions

Please send your comments by May 5, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

## Information Concerning

### ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

#### Scope Extension

#### Conestoga-Rovers & Associates Limited

#### Comment Deadline: May 5, 2014

##### Conestoga-Rovers & Associates Limited

Gordon Reusing  
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On March 31, 2014, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee (GVAC) voted to approve a scope extension for Conestoga-Rovers & Associates Limited for the following:

##### Standards:

ISO 14065: *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

##### Scopes:

*Verification of assertions related to GHG emission reductions & removals at the organizational level*  
Group 4 – Electric Power Transactions

Please send your comments by May 5, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

# Information Concerning

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

#### ISO TC 86/SC3 – Testing and Rating of Factory-Made Refrigeration Systems

#### ISO TC 86/SC7 – Testing and Rating of Commercial Refrigerated Display Cabinets

Currently, the U.S. holds a leadership position as secretariat of ISO/TC 86/SC 3 (Testing and rating of factory-made refrigeration systems) and TC 86/SC 7 (Testing and rating of commercial refrigerated display cabinets). ANSI has delegated the responsibility for the administration of the secretariat for ISO/TC 86/SC 3 and ISO/TC 86/SC 7 to AHRI (Air-Conditioning, Heating, and Refrigeration Institute). AHRI has advised ANSI of its intent to relinquish its role as delegated secretariat for these committees.

These committees operate under the following scope:

*Standardization in the fields of refrigeration and air-conditioning, including terminology, mechanical safety, methods of testing and rating equipment, measurement of sound levels, refrigerant and refrigeration lubricant chemistry, with consideration given to environmental protection. The scope includes factory-assembled air-conditioners (cooling), heat pumps, dehumidifiers, refrigerants, and refrigerant reclaiming and recycling equipment as well as other devices, components and equipment such as humidifiers, ventilation equipment and automatic controls used in air-conditioning and refrigeration systems that are not covered by other ISO technical committees.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/TC 86/SC 3 and TC 86/SC 7. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accept direct administration of an ISO secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 86/SC 3 and TC 86/SC 7 secretariats, or if there is insufficient support for ANSI to assume direct administration of these activities, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of these committees. This will allow ISO to solicit offers from other countries interested in assuming the secretariat role.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at [isot@ansi.org](mailto:isot@ansi.org).

# Information Concerning

## International Electrotechnical Commission (IEC)

### New Field of Technical Activity

### Proposal for a New Systems Committee (SyC) Entitled “Smart Energy”

### Comment Deadline: May 16, 2014

IEC National Committees have been invited to vote before 30 May 2014 on a proposal from the Systems Evaluation Group 2 – Smart Grid.

Draft Scope: Standardization in the field of Smart Energy in order to provide systems level standardization, coordination and guidance in the areas of Smart Grid and Smart Energy, including interaction in the areas of Heat and Gas. To widely consult within the IEC community and the broader stakeholder community to provide overall systems level value, support and guidance to the TCs and other standard development groups, both inside and outside the IEC. To liaise and cooperate with the SEG Smart Cities and future SEGs, as well as the future Systems Resource Group.

Purpose and Justification: An emerging trend towards distributed energy generation and distribution has evolved across the industry, driving the need for the electrical grid to become “smart”, adaptive, dynamic and flexible. This has driven advances in metering, substation automation, and data and controls being added to the electrical grid. All of the benefits of individual parts of this grid will not be realized unless there is a higher level function defined to allow these parts of the electrical grid to work together in an intelligent fashion.

Strategic Group 3 (SG3) on Smart Grid, was set up by the IEC Standardization Management Board in 2008, and provided advice on fast-moving ideas and technologies likely to form the basis for new International Standards or IEC TCs (Technical Committees) in the area of Smart Grid technologies. SG3 was then transitioned into a Systems Evaluation Group (SEG) in 2013. Its responsibility was to also develop a long term strategic plan for the IEC where future new standards work is needed.

This proposal came from SMB Strategic Evaluation Group 2 *Smart Grid* of which the U.S. National Committee was a member. The U.S. National Committee has been invited to indicate if it agrees with the scope proposed for this new IEC SyC, if it wishes to register as a Participating Member and if it intends to actively participate. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established and a TAG Administrator will have to be assigned. If any entities are interested in the position of TAG Administrator, they are invited to contact by **FRIDAY, MAY 16, 2014**, Tony Zertuche, USNC Deputy General Secretary at [tzertuche@ansi.org](mailto:tzertuche@ansi.org).



**BSR/ASHRAE Addendum a  
to ANSI/ASHRAE Standard 62.1-2013**

**Public Review Draft**

**Proposed Addendum a to  
Standard 62.1-2013, Ventilation for  
Acceptable Indoor Air Quality**

**First Public Review (February 2014)  
(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).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, [www.ashrae.org](http://www.ashrae.org).

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BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.1-2013, *Ventilation for Acceptable Indoor Air Quality*  
First Public Review Draft

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## FOREWORD

*Currently, ASHRAE Standard 62.1 has responsibility for multifamily residential buildings which are 4 stories or more and ASHRAE Standard 62.2 has responsibility for residential buildings 3 stories and less. The ventilation rates for dwelling units in Standard 62.1 are different from the rates in Standard 62.2 and this inconsistency has caused concern for some. Additionally, Standard 62.1 does not address modest retrofits whereas Standard 62.2 does. The retrofit market is a major user of ASHRAE ventilation standards. This addendum proposes a scope change which would do away with the building height threshold, bringing the dwelling units themselves into Standard 62.2 regardless of height while common areas would be covered by Standard 62.1. The change will allow for consistency across dwelling units and also allow application of ASHRAE ventilation standards to the multifamily retrofit market.*

*A corresponding change to the scope of Standard 62.2 is also in process. These two scope changes must remain consistent with each other.*

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

## Addendum a to 62.1-2013

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*Revise Section 2.1 as shown below.*

### 2. SCOPE

**2.1** This standard applies to ~~all~~ spaces intended for human occupancy within buildings except those within dwelling units in residential occupancies in which occupants are non-transient. ~~single family houses, multi-family structures of three stories or fewer above grade, vehicles, and aircraft.~~

*Add the following new definitions to Section 3. The rest of Section 3 remains unchanged.*

### 3. DEFINITIONS

**dwelling unit:** a single unit providing complete, independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking, and sanitation.

**non-transient:** occupancy of a *dwelling unit* or *sleeping unit* for more than 30 days.

**residential occupancies:** occupancies that are not classified as institutional by the authority having jurisdiction and that also contain permanent provisions for sleeping.

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.1-2013, *Ventilation for Acceptable Indoor Air Quality*  
First Public Review Draft

***sleeping unit:*** a room or space in which people sleep, that can also include permanent provisions for living, eating, and either sanitation or kitchen facilities but not both. Such rooms and spaces that are also part of a dwelling unit are not sleeping units.



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

**Public Review Draft**

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

**First Public Review (March 2014)  
(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).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, [www.ashrae.org](http://www.ashrae.org).

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

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## FOREWORD

*With regard to multifamily dwellings, at the current time Standard 62.1 has responsibility for buildings 4 stories or more and Standard 62.2 has responsibility for buildings 3 stories and less. The ventilation rates for dwelling units in Standard 62.1 are different from the rates in Standard 62.2 resulting in different ventilation rates for all units depending on whether there are three stories or four. Additionally, Standard 62.1 does not address modest retrofits whereas Standard 62.2 does. Given the growth of the retrofit industry in multifamily dwellings it is important to ensure that these situations are covered in ASHRAE's ventilation standards. This scope change would do away with the building height separation, bringing the dwelling units themselves into Standard 62.2 regardless of height. This will allow for consistency within dwelling units and also allow application of ASHRAE ventilation standards to the multifamily retrofit market. This change proposal is aligned with a companion proposal by SSPC 62.1.*

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

## Addendum g to 62.2-2013

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*Revise the title of Standard 62.2 as shown below.*

### Ventilation and Acceptable Indoor Air Quality in ~~Low-Rise~~ Residential Buildings

*Revise Section 1 as shown below.*

#### 1. PURPOSE

This standard defines the roles of and minimum requirements for mechanical and natural ventilation systems and the building envelope intended to provide acceptable indoor air quality (IAQ) in ~~low-rise~~ residential buildings.

*Revise Section 2 as shown below. The rest of Section 2 remains unchanged.*

#### 2. SCOPE

This standard applies to dwelling units in residential occupancies in which the occupants are non-transient, ~~spaces intended for human occupancy within single-family houses and multi-family structures of three stories or fewer above grade, including manufactured and modular houses. This standard does not apply to transient housing such as hotels, motels, nursing homes, dormitories, or jails.~~

*Add the following new definitions to Section:*

#### 3. DEFINITIONS

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

**non-transient:** occupancy of a dwelling unit or sleeping unit for more than 30 days.

**residential occupancies:** occupancies that are not classified as institutional by the authority having jurisdiction and that also contain permanent provisions for sleeping.

**sleeping unit:** a room or space in which people sleep, that can also include permanent provisions for living, eating, and either sanitation or kitchen facilities but not both. Such rooms and spaces that are also part of a dwelling unit are not sleeping units.



**BSR/ASHRAE Addendum c to  
ANSI/ASHRAE Standard 145.2-2011**

**Public Review Draft**

# **Proposed Addendum c to Standard 145.2-2011, Laboratory Test Method for Assessing the Performance of Gas-Phase Air- Cleaning Systems: Air-Cleaning Devices**

**First Public Review (April 2014)  
(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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BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 145.2-2011, *Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices*

First Public Review

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**Foreword:** *The standard test endpoint for the initial efficiency test is 1 h. However, some filters can reach 0.95-1.00 penetration ( $\leq 5\%$  efficiency) within this hour. Thus, allowing the test to stop sooner makes sense for these filters. Thus, the initial performance test is modified to allow testing to stop when the penetration exceeds 0.95.*

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

**6.1.3.1** The standard initial performance test shall be conducted for a period of 1 hour. At this point, the low concentration challenge gas shall be removed. The standard capacity test should begin as soon as possible after this test. For initial performance tests that reach 0.95-1.00 penetration ( $\leq 5\%$  efficiency) before this hour is over, the initial performance test may stop at the point where the penetration is 0.95 or higher (the eff. is  $\leq 5\%$ ) as long as at least five downstream data points have been collected with at least three of these points showing the penetration at 0.95 or higher. Then, the standard capacity test shall begin as soon as possible.

# Public Review Draft

Proposed Addendum x to Standard 189.1-2011

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

Second Public Review (April 2014)  
(Draft Shows Independent Substantive Change)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research-technology/public-review-drafts](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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BSR/ASHRAE/USGBC/IES Addendum ax to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings  
Second Public Review Draft.

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## FOREWORD

The purpose of this ISC is to modify the original addendum to not allow the use of any control factors from Table 9.6.3 of 90.1 for lighting control methodologies that might otherwise be required by 189.1. This change was the made in response to a comment received on the first public review of this addendum.

*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 ax - to 189.1-2011 (Independent Substantive Change)**

*Modify section 7.4.6.1 as follows:*

### **7.4.6.1 Lighting Power Allowance.**

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

- a. For those areas where the Building Area Method is used, the LPD from Table 9.5.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1A.
- b. For those areas where the Space-by-Space Method is used, the LPD from Table 9.6.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1B.
- c. Control factors from Table 9.6.3 in ANSI/ASHRAE/IES Standard 90.1 shall not be used for any control methodologies required in this standard.

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

# Public Review Draft

Proposed Addendum ay to Standard 189.1-2011

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

Second Public Review (April 2014)  
(Draft Shows Independent Substantive Change)

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

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## Foreword

This ISC modifies the outdoor airflow rate levels where demand control ventilation (DCV) would be required from those in the first public review draft, with these slight modifications based on public review comments received. The modifications are made to better match system equipment sizes that would be more adaptable to demand control ventilation, with the change in Exception 'b' matching the Standard 90.1 value for that exception. A change has also been made regarding the measurement of outdoor CO<sub>2</sub> concentrations in order to clarify the requirement and give more flexibility to the design team on location of the sensor.

The overall purpose of this addendum is to modify the DCV requirements of Standard 189.1 to make them more compatible with the recently-modified requirements in ANSI/ASHRAE/IES Standard 90.1-2013.

*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 ay - to 189.1-2011 (Independent Substantive Change)

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 6.4.3.89 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 ~~500 cfm (250 L/s)~~ 1000 cfm (500 L/s).

### Exceptions:

- a. Systems with exhaust air energy recovery complying with Section 7.4.3.6.
- b. Systems with a design outdoor airflow less than ~~200 cfm (100 L/s)~~ 750 cfm (375 L/s).
- c. Spaces where more than 75% of the space design *outdoor air* flow is utilized as *makeup air* or *transfer air* to provide *makeup air* for other space(s).
- d. Spaces with one of the following occupancy categories as defined in ASHRAE Standard 62.1: Cells in Correctional Facilities; Daycare sickrooms; Science laboratories; Barber; Beauty and nail salons; and Bowling alley (seating).

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

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 must be accurate to ±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 a CO<sub>2</sub> sensor ~~located in the path of the *outdoor air* intake.~~
  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 bh to Standard 189.1-2011

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

Second Public Review (April 2014)  
(Draft Shows Independent Substantive Change)

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

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

## FOREWORD

*This ISC addresses an issue with the designation of site features for preservation. It is recognized that an owner or designer can designate existing site features for preservation, even when such features are not necessarily designated for preservation by the AHJ. The intent of the inventory is to identify all listed site features regardless of who makes the designation. Striking “by the AHJ” will meet this intent and be consistent with the other provisions of this section.*

**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 bh to 189.1-2011 (Independent Substantive Change)

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*Modify Section 5.3.3 as follows:*

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

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

# Public Review Draft

Proposed Addendum cb to Standard 189.1-2011

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

First Public Review (April 2014)  
(Draft Shows Proposed Changes to Current Standard)

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**FOREWORD**

*This addendum modifies Table D1.1 in Appendix G in response to proposed addendum bd, which has completed public review and modifies the prescriptive Orientation requirements for fenestration in Section 7.4.2.8. The modifications to the prescriptive requirements create some barriers to incorporation into the performance path in Appendix D. The new fenestration orientation requirements, when applied to a baseline building rotated 90, 180, and 270 degrees, create the possibility for many possible interpretations of baseline building fenestration distribution. The modifications in addendum cb resolves these concerns by modifying the modeling rules in Appendix G.*

*The Building Envelope Section of the Baseline Building Performance column in Table D1.1 is modified to explicitly exclude the requirements in Section 7.4.2.8 from the baseline building model. Alternatively, language is added requiring that the building simulation be done at the actual building orientation and at three 90 degree rotations and that the minimum energy cost be used as the baseline building annual energy cost. This requirement results in a baseline building that has the lowest energy cost building orientation of the four orientations.*

*The exceptions in Standard 90.1 Table G3.1 apply to this requirement as well (excerpted from ANSI/ASHRAE/IES Standard 90.1-2013):*

- 1. If it can be demonstrated to the satisfaction of the program evaluator that the building orientation is dictated by site considerations.*
- 2. Buildings where the vertical fenestration area on each orientation varies by less than 5%.*

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

**WG75DA12 cb to 189.1-2011**

*Modify section Appendix D as follows:*

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

Proposed Building Performance	Baseline Building Performance
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BSR/ASHRAE/USGBC/IES Addendum cb to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings First Public Review Draft.

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

Proposed Building Performance	Baseline Building Performance
<p><b>5. Building Envelope</b></p> <p>Exception (c) of Table G3.1 (5) shall be replaced with the following: The exterior roof surface shall be modeled using the solar reflectance and thermal emittance determined in accordance with Sections 5.3.2.3 and 5.3.2.4. Where test data are unavailable, the roof surface shall be modeled with a solar reflectance of 0.30 and a thermal emittance of 0.90.</p>	<p>1. In addition to the requirements in Table G3.1 (5), the <i>baseline building design</i> shall comply with Section 7.4.2, <u>not including Section 7.4.2.8.</u></p> <p><del>2. If the <i>proposed design</i> does not comply with Section 7.4.2.8, then the fenestration area in the <i>baseline building design</i> shall be uniformly reduced until it complies. This adjustment is not required to be made when rotating the building as required in Table G3.1 (5.a).</del></p> <p><u>2. The <i>baseline building performance</i> shall be equal to the lowest annual energy cost of the following four simulations: the building in its actual orientation and the building rotated 90, 180, and 270 degrees.</u></p> <p><u><b>Exception:</b> <i>Building projects that qualify for exceptions (1) or (2) to Table G3.1 Baseline Building Performance (5.a) are not required to have the building model rotated.</i></u></p> <p>3. In addition to the requirements in Table G3.1 (5.d) and (5.e), roof surfaces shall comply with Section 5.3.2.3.</p>

## BSR/UL 778 Standard for Motor-Operated Water Pumps

### 1. Proposal to Expand the Requirements for Additional Types of Secondary Circuits

#### PROPOSAL

3.1.1 CAPACITOR, CLASS X - Capacitor or RC unit of a type suitable for use in situations where failure of the capacitor or RC unit would not lead to danger of electrical shock but could result in a risk of fire. Examples would be units connected phase to phase or phase to neutral.

##### Notes:

1. ~~X1 capacitors are generally used in circuits of permanently connected appliances. However, if the appliance is provided with a separate surge protective device that limits the impulse voltage to  $\leq 2.5$  KV, an X2 capacitor is permitted.~~
2. ~~X2 capacitors are generally used in circuits of cord-connected appliances.~~

3.1.2 CAPACITOR, CLASS Y - Capacitor or RC unit of a type suitable for use in situations where failure of the capacitor could lead to danger of electric shock. Examples would be capacitors connected across the primary and secondary circuits where electrical isolation is required to prevent an electric shock or between hazardous live parts and accessible parts.

##### Notes:

1. ~~Y1 capacitors are used in circuits where the prevention of electric shock is afforded solely by the isolation provided by the capacitor. Two Y2 capacitors connected in series is considered to provide the same level of protection as one Y1 capacitor.~~
2. ~~Y2 capacitors are used where the prevention of electric shock is provided by the combination of the capacitor and earth ground for circuits operating at voltages  $\geq 150$  V and  $\leq 300$  V.~~
3. ~~Y4 capacitors are used where the prevention of electric shock is provided by the combination of the capacitor and earth ground for circuits operating at voltages  $\leq 150$  V.~~

5A.8.1 An optical isolator that is relied upon to provide isolation between primary and secondary circuits or between other circuits as required by this Standard shall be constructed in accordance with the Standard for Optical Isolators, UL 1577, and shall be able to withstand for 1 minute, without breakdown, an ac dielectric voltage withstand potential specified in 36.1 equal to between the input and output circuits.

*Exception No. 1: An optical isolator need not be subjected to the requirements in UL 1577 if the internal insulation is of such a material and at such a thickness that it complies with 36.1.*

*Exception No. 2: An optical isolator that is constructed in accordance with the requirements in UL 1577, but at a dielectric potential less than 1000 V plus twice rated voltage ac is considered to comply with 36.1 if the internal insulation is at such thickness that it also complies with 17A.1(c).*

5A.8.2 A power switching semiconductor device that is relied upon to provide isolation to ground shall be constructed in accordance with the Standard for Electrically Isolated Semiconductor Devices, UL 1557. The dielectric voltage withstand tests required by UL 1557 shall be conducted at a dielectric potential specified in 36.1 for 1 minute.

Exception No. 1: A power switching semiconductor need not be subjected to the requirements in UL 1557 if the internal insulation is of such material and at such a thickness that it complies with 36.1.

Exception No. 2: A power switching semiconductor that is constructed in accordance with the requirements in UL 1557 but at a dielectric potential less than 1000 V plus twice rated voltage ac is considered to comply with 36.1 if the internal insulation is at such thickness that it also complies with 17A.1(c).

5A.8.4 A relay that is relied upon to provide isolation between primary and secondary circuits shall comply with either the Standard for Industrial Control Equipment, UL 508 or the Standard for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, UL 60947-4-1A.

21.3 A capacitor connected between two line conductors in a primary circuit, or between one line conductor and the neutral conductor or between primary and accessible secondary circuits or between the primary circuit and protective earth (equipment grounding conductor connection) shall comply with either the Standard for Capacitors and Suppressors for Radio- and Television-Type Appliances, UL 1414 or one of the subclasses of the Standard for Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains, UL 60384-14 and shall be used in accordance with its rating. A single Class Y4 capacitor or two Class Y2 capacitors connected in series shall be used to satisfy the requirements of this clause.

Note - Details for damp heat, steady state test can be found in 4.12 of IEC 60384-14.

Note from the STP Project Manager: For the sake of brevity, only the part of Table 23.2 that is proposed to be revised is included in this proposal topic.

**Table 23.2**

**Comparison of secondary circuits**

Electrical Characteristics and Risk Assessment of Secondary Circuits							
Circuit Name	Class 2, LPS	Limited voltage	Limited energy	LVLE (Limited Voltage Limited Energy)	Protective impedance		SELV (Safety extra-low voltage)
Section within document	23.3.1	23.3.2	23.3.3	23.3.4	23.3.5.1	23.3.5.1 and 23.3.5.3	23.3.6
Parameters							
Derived directly from component evaluated to standard	UL 1585-3 or UL 1310: Class 2, or UL 60950-1: LPS	UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1	UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1	UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1	N/A	N/A	UL 60950-1, UL 60730-1

23.3.1.4 These circuits are determined to not be a risk of electric shock when evaluating a unit in accordance with Section 7, Electrical and Fire Enclosures. They shall be provided with fire enclosures in accordance with ~~7.48.2~~ 7.2.2, Fire Enclosures.

*Exception: Components in a Class 2 or LPS secondary circuit that are mounted on a material with a minimum flammability rating of 94V-1 do not require fire enclosures.*

23.3.2.1 A Limited Voltage circuit shall be supplied by an isolating source such that the maximum open circuit voltage potential available to the circuit does not exceed the limits specified in ~~3.42~~ 3.17 when tested in accordance with 48.7.1 without any limitation on the available current or volt-ampere capacity.

23.3.2.3 These circuits are not determined to be a risk of electric shock when evaluating a unit in accordance with Section 7, Electrical and Fire Enclosures. They shall be provided with fire enclosures in accordance with ~~7.48.2~~ 7.2.2, Fire Enclosures.

### 3. Proposal to Update Requirements for Units Intended to be Permanently Wired

#### PROPOSAL

13.1.2 It is permitted for a pump intended for permanent installation to be provided with a permanently installed flexible cord and an attachment plug for supply connection when it complies with (a) or (b):

- a) The mounting means and plumbing connections to the plumbing system are such that:
  - 1) The pump fastening means are specifically designed to permit ready removal for maintenance and repair.
  - 2) The connections to the plumbing system are intended for ease of removal, and that the removal is capable of being accomplished without the need to braze, solder, weld, cut, or otherwise damage the connection.
- b) The pump is intended to be supported by its circulation piping and:
  - 1) The use of unions during installation is specified in the Installation Instructions or
  - 2) The design is such that the motor/impeller securement to the pump housing is intended for ready removal for maintenance or replacement after installation.

*Exception: It is permitted for a permanently-installed pump to be provided with a flexible cord intended to be removed in the field and attachment plug when the wiring compartment is constructed in accordance with the requirements in ~~13.2.1 - 13.2.9~~ 13.1.3 - 13.1.7, 13.1.9, 13.1.10, and 13.2.1 - ~~13.2.6~~ 13.2.13, and the cord is attached in such a manner that it is possible to remove the cord in the field and make a permanent connection to the power supply in accordance with the requirements in 13.3.1 - 13.3.9, 13.4.1, and 13.4.2.*

### 6. Proposal to Allow the Use of Standard UL 840 to Evaluate Clearance and Creepage Distances

#### PROPOSAL

17B.1 As an alternative approach to the spacing requirements specified in Spacings, Section 17, and other than as noted in 17B.2 and ~~17B.3~~, clearances and creepage distances may be evaluated in accordance with the requirements in the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840, as described in 17B.3 and 17B.4.

~~17B.2 Clearances between an uninsulated live part and the walls of a metal enclosure, including fittings for conduit or armored cable, shall be as noted in Table 17.1. The clearances shall be determined by physical measurement. The clearance and creepage distance at field wiring terminals shall be in accordance with the requirements in Spacings, Section 17.~~

*Exception: If the design of the field wiring terminals is such that it will preclude the possibility of reduced spacing due to stray strands or improper wiring installation, clearances and creepage distances at the field wiring terminal may be evaluated in accordance with the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840.*

17B.3 ~~The clearance and creepage distance at field wiring terminals shall be in accordance with the requirements in Spacings, Section 17. In conducting evaluations in accordance with the requirements in the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840, the following guidelines shall be used:~~

a) For evaluating clearances:

1. Pumps intended to be permanently wired to their supply shall be evaluated for Overvoltage Category III. This includes shallow and deep-well submersible pumps. Portable and permanently installed pumps provided with a cord in accordance with 13.1.2 shall be Overvoltage Category II;
2. The Phase-to-Ground Rated System Voltage used in the determination of Clearances shall be the equipment rated supply voltage rounded to the next higher value.
3. To determine equivalence with current through air spacings requirements an impulse test potential having a value as determined in UL 840 is to be applied .

b) For evaluation of creepages:

1. Any printed wiring board which complies with the requirements for Direct Support in the Standard for Printed Wiring Boards, UL 796, provides a Comparative Tracking Index (CTI) of 100;
2. Printed wiring boards are evaluated as pollution degree 2 when adjacent conductive material is covered by any coating, such as a solder mask, which provides an uninterrupted covering over at least one side and the complete distance up to the other side of conductive material;
3. Printed wiring boards shall be evaluated as pollution degree 1 under one of the following conditions:
  - i. A coating which complies with the requirements for Conformal Coatings in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C or
  - ii. At a specific printed wiring board location by application of at least a 1/32 inch (0.79 mm) thick layer of silicone rubber or through potting, without air bubbles, in epoxy or potting material.

*Exception: If the design of the field wiring terminals is such that it will preclude the possibility of reduced spacing due to stray strands or improper wiring installation, clearances and creepage distances at the field wiring terminal may be evaluated in accordance with the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840.*

17B.4 ~~In conducting evaluations in accordance with the requirements in the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840, the following guidelines shall be used:~~

a) For evaluating clearances:

1. ~~Pumps intended to be permanently wired to their supply shall be evaluated for Overvoltage Category III. This includes shallow and deep well submersible pumps. Portable and permanently installed pumps provided with a cord in accordance with 13.1.2 shall be Overvoltage Category II;~~
2. ~~The Phase-to-Ground Rated System Voltage used in the determination of Clearances shall be the equipment rated supply voltage rounded to the next higher value.~~
3. ~~To determine equivalence with current through air spacings requirements an impulse test potential having a value as determined in UL 840 is to be applied.~~

b) For evaluation of creepages:

1. ~~Any printed wiring board which complies with the requirements for Direct Support in the Standard for Printed Wiring Boards, UL 796, provides a Comparative Tracking Index (CTI) of 100;~~
2. ~~Printed wiring boards are evaluated as pollution degree 2 when adjacent conductive material is covered by any coating, such as a solder mask, which provides an uninterrupted covering over at least one side and the complete distance up to the other side of conductive material;~~
3. ~~Printed wiring boards shall be evaluated as pollution degree 1 under one of the following conditions:~~
  - i. ~~A coating which complies with the requirements for Conformal Coatings in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C or~~
  - ii. ~~At a specific printed wiring board location by application of at least a 1/32 inch (0.79 mm) thick layer of silicone rubber or through potting, without air bubbles, in epoxy or potting material.~~

Clearances between an uninsulated live part and the walls of a metal enclosure shall be determined with a conduit fitting and locknut installed.

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## BSR/UL 2586, Standard for Safety for Hose Nozzle Valves

### Topic 1 – Clarification of test methods and results

15.1.2.3 For nozzles with an "Interlock" feature the nozzle was latched open at the flow rates as indicated below while the operator manually pulls the interlock device to activate the nozzle mechanism. While the liquid was flowing and the nozzle held or latched open, the operator released the interlock to determine if the nozzle automatically closed. This is repeated 10 times in each flow rate.

#### Flow Rates

- a) High latch (high flow) position with inlet flow pressure at 150 kPa (21.75 psig); and
- b) Low latch (low flow) with inlet flow pressure at 55 kPa (8 psig).

17.1 An automatic hose nozzle valve latch shall ~~stop the flow of liquid~~ unlatch when the valve is released from a fill opening or upon impact with the driveway.

17.2 Compliance with 17.1 is to be determined by a series of tests in which a sample valve is inserted into a simulated fill opening having its bottom edge located 22 inches (559 mm) above a concrete floor. Prior to the test, the sample is to be attached to a 10 foot (3.05 m) length of gasoline hose of the same size as the inlet of the nozzle. The test is conducted by pulling the sample from the opening at both slow and rapid fast rates in a manner such that the valve strikes the concrete before the hose. Five trials are to be made at each rate with the valve latched in each of its hold-open positions.

18.7 The endurance test is to be conducted with the air ambient at  $70 \pm 10^{\circ}\text{F}$  ( $21 \pm 5.5^{\circ}\text{C}$ ) when the specified temperature rating is within the range of  $\text{minus } 20^{\circ}\text{F}$  (minus  $29^{\circ}\text{C}$ ) to  $125^{\circ}\text{F}$  ( $52^{\circ}\text{C}$ ).

20.2.3 The samples from the external leakage test were dropped from a height of 4 ft against the edge of a concrete block ten times. Each so as to impact was on the visible discharge indicator or on the edges that protect the visible discharge indicator on the against the edge of a concrete block ten times.