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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

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

\* Standard for consumer products

## Comment Deadline: June 2, 2013

### APSP (Association of Pool and Spa Professionals)

#### Addenda

BSR/APSP 4 Addenda-201x, Standard for Aboveground/Onground Residential Swimming Pools (addenda to ANSI/APSP 4-2012)

This standard describes certain criteria for the design, manufacturing, testing, care, and use of aboveground/onground residential (Type-O) non-diving swimming pools and their components. Aboveground/onground residential (Type-O) non-diving swimming pools are defined as pools with a shallow area water depth of 36 inches (91 cm) minimum at the wall and a water depth of 48 inches maximum (122 cm) at the wall. This includes portable pools with flexible/non-rigid side walls that achieve their structural integrity by means of uniform shape, support frame, or a combination thereof, and can be disassembled for storage or relocation.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Bernice Crenshaw, (703) 838-0083 x150, [bcrenshaw@APSP.org](mailto:bcrenshaw@APSP.org)

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

#### Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1ai-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 eliminates redundancy. It is no longer necessary to single out the control system for HVAC commissioning when control system commissioning is now addressed in the opening section title and applies to all systems.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Bert Etheredge, 404-636-8400, [betheredge@ashrae.org](mailto:betheredge@ashrae.org)

### UL (Underwriters Laboratories, Inc.)

#### New National Adoption

BSR/UL 60065-201x, Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements (national adoption of IEC 60065 with modifications and revision of ANSI/UL 60065-2012c)

Revision of current requirements for button cell batteries to clarify that the construction requirement applies to the entire battery compartment door/cover.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Davis, (408) 754-6722, [Barbara.J.Davis@ul.com](mailto:Barbara.J.Davis@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 1277-201x, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2012)

Revision of the Dielectric Voltage-Withstand Test to allow testing with DC voltage.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Camille Alma, (631) 546-2688, [Camille.A.Alma@ul.com](mailto:Camille.A.Alma@ul.com)

## Comment Deadline: June 17, 2013

### APA (APA - The Engineered Wood Association)

#### Revision

BSR 405-201x, Standard for Adhesives for Use in Structural Glued Laminated Timber (revision of ANSI 405-2008)

This standard provides minimum performance requirements for evaluating adhesives for use in structural glued laminated timber (glulam).

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### ASABE (American Society of Agricultural and Biological Engineers)

#### Revision

BSR/ASAE S397.4 MONYEAR-201x, Electrical Service and Equipment for Irrigation (revision of ANSI/ASAE S397.3-2007 (R2012))

Provides a common document for use by all those involved in electrical irrigation systems; such as electricians, power suppliers, well drillers, irrigation dealers and manufacturers, extension specialists and irrigators. This Standard applies to three-phase, 240 V, or 480 V service, the most commonly used irrigation service voltages for irrigation pump motors, irrigation machines, and auxiliary equipment.

Single copy price: \$55.00

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

#### Addenda

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

The prescriptive envelope requirements as provided in referenced in section 7.4.2 and shown in Appendix A - Prescriptive Building Envelope Tables are deleted and replaced by percent improvements compared to ANSI/ASHRAE/IES 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings.

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Obtain an electronic copy from: [http://www.techstreet.com/ashrae/ashrae\\_standards.html](http://www.techstreet.com/ashrae/ashrae_standards.html)

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

BSR/ASHRAE/USGBC/IES Addendum 189.1am-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 tightens the prescriptive requirements for window-to-wall ratios from 40% for all buildings to 30% for buildings less than 25,000 ft<sup>2</sup> and 40% for all larger buildings.

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK30256-201x, Test Method For Determining The concentration of Pipeline Drag Reducer Additive in Aviation Turbine Fuels (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK34535-201x, Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK39573-201x, Test Method for Evaluating the Universal Design of Fitness Equipment (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK39574-201x, Test Method for Evaluating Design and Performance Characteristics of Stationary Exercise Bicycles and Crank Training Equipment (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK41630-201x, Practice for Professional Certification Performance Testing and Assessment (new standard)

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

BSR/ASTM F783-88 (R201x), Specification for Staple, Handgrab, Handle, and Stirrup Rung (reaffirmation of ANSI/ASTM F783-88 (R2008))

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

BSR/ASTM F1196-2001 (R201x), Specification for Sliding Watertight Door Assemblies (reaffirmation of ANSI/ASTM F1196-2001 (R2006))

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

BSR/ASTM F1244-2000 (R201x), Specification for Berths, Marine (reaffirmation of ANSI/ASTM F1244-2000 (R2004))

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BSR/ASTM F1361-2007 (R201x), Test Method for Performance of Open Deep Fat Fryers (reaffirmation of ANSI/ASTM F1361-2007)

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

BSR/ASTM F1565-2000 (R201x), Specification for Pressure-Reducing Valves for Steam Service (reaffirmation of ANSI/ASTM F1565-2000 (R2006))

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

BSR/ASTM F1567-1994 (R201x), Specification for Fabricated or Cast Automatic Self-Cleaning, Fuel Oil and Lubricating Oil Strainers (reaffirmation of ANSI/ASTM F1567-1994 (R2006))

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

BSR/ASTM F1685-2000 (R201x), Specification for Pressure-Reducing Manifolds for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1685-2000 (R2006))

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

BSR/ASTM F1718-2001 (R201x), Specification for Rotary Positive Displacement Distillate Fuel Pumps (reaffirmation of ANSI/ASTM F1718-2001 (R2006))

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BSR/ASTM F1791-2000 (R201x), Specification for Filters Used in Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1791-2000 (R2006))

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BSR/ASTM F1795-2000 (R201x), Specification for Pressure-Reducing Valves for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1795-2000 (R2006))

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BSR/ASTM F1883-2003 (R201x), Practice for Selection of Wire and Cable Size in AWG or Metric Units (reaffirmation of ANSI/ASTM F1883-2003 (R2008))

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BSR/ASTM F2014-2000 (R201x), Specification for Non-Reinforced Extruded Tee Connections for Piping Applications (reaffirmation of ANSI/ASTM F2014-2000 (R2006))

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BSR/ASTM F2015-2000 (R201x), Specification for Lap Joint Flange Pipe End Applications (reaffirmation of ANSI/ASTM F2015-2000 (R2006))

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

BSR/ASTM F2022-2001 (R201x), Test Method for Performance of Booster Heaters (reaffirmation of ANSI/ASTM F2022-2001 (R2007))

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BSR/ASTM F2141-2007 (R201x), Test Method for Performance of Self-Serve Hot Deli Cases (reaffirmation of ANSI/ASTM F2141-2007)

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BSR/ASTM F2142-2001 (R201x), Test Method for Performance of Drawer Warmers (reaffirmation of ANSI/ASTM F2142-2001 (R2007))

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

BSR/ASTM F2644-2007 (R201x), Test Method for Performance of Commercial Patio Heaters (reaffirmation of ANSI/ASTM F2644-2007)

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

BSR/ASTM D3948-201x, Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer (revision of ANSI/ASTM D3948-2011)

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

BSR/ASTM D4306-201x, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination (revision of ANSI/ASTM D4306-2013)

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

BSR/ASTM D4308-201x, Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter (revision of ANSI/ASTM D4308-2012)

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

BSR/ASTM D6617-201x, Practice for Laboratory Bias Detection Using Single Test Result from Standard Material (revision of ANSI/ASTM D6617-2008)

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

BSR/ASTM D6824-201x, Test Method for Determining Filterability of Aviation Turbine Fuel (revision of ANSI/ASTM D6824-2007)

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

BSR/ASTM D7224-201x, Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer (revision of ANSI/ASTM D7224-2012)

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

BSR/ASTM E329-201x, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329 -2011a)

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

BSR/ASTM E1649-201x, Practice for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies between 300 keV and 25 MeV (revision of ANSI/ASTM E1649-2004)

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

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

BSR/ASTM F1250-201x, Safety Specification for Stationary Exercise Bicycles (revision of ANSI/ASTM F1250-2000 (R2006))

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

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

BSR/ASTM F1495-201x, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495-2005)

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

BSR/ASTM F1496-201x, Test Method for Performance of Convection Ovens (revision of ANSI/ASTM F1496-2012)

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

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

BSR/ASTM F1511-201x, Specification for Mechanical Seals for Shipboard Pump Applications (revision of ANSI/ASTM F1511-2011)

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

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

BSR/ASTM F1827-201x, Terminology Relating to Food Service Equipment (revision of ANSI/ASTM F1827-2012)

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

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

BSR/ASTM F2087-201x, Specification for Packing, Fiberglass, Braided, Rope, and Wick (revision of ANSI/ASTM F2087-2001 (R2007))

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

BSR/ASTM F2092-201x, Specification for Convection Oven Gas or Electric (revision of ANSI/ASTM F2092-2001 (R2007))

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

BSR/ASTM F2154-201x, Specification for Sound-Absorbing Board, Fibrous Glass, Perforated Fibrous Glass Cloth Faced (revision of ANSI/ASTM F2154 -2001 (R2007))

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

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

BSR/ASTM F2324-201x, Test Method for Prerinse Spray Valves (revision of ANSI/ASTM F2324-2003 (R2009))

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

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

BSR/ASTM F2687-201x, Practice for Life Cycle Cost Analysis of Commercial Food Service Equipment (revision of ANSI/ASTM F2687-2007)

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

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

BSR/ASTM F2795-201x, Test Method for Performance of Self-Contained Soft Serve and Shake Machines (revision of ANSI/ASTM F2795-2011)

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

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

BSR/ASTM F2877-201x, Test Method for Shock Testing of Structural Insulation of A-Class Divisions Constructed of Steel or Aluminum (revision of ANSI/ASTM F2877-2011)

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

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

BSR/ASTM F2976-201x, Practice for Determining the Field Performance of Commercial Kitchen Demand Control Ventilation Systems (revision of ANSI/ASTM F2976-2012)

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

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**ASTM (ASTM International)****Withdrawal**

ANSI/ASTM F2133-2001 (R2007), Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Insulated Marine Bulkheads and Decks, Constructed of Steel (withdrawal of ANSI/ASTM F2133-2001 (R2007))

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

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**HI (Hydraulic Institute)****Revision**

BSR/HI 1.4-201x, Rotodynamic (Centrifugal) Pump I, O, & M (revision of ANSI/HI 1.4-2010)

Limited activity to Rotodynamic (cent.) Pumps to: (A) Overhung impeller, close-coupled pumps [OH4], [OH5], [OH5A], [OH6], [OH7], [OH8], [OH8A] & [OH8B]; (B) Overhung impeller, separately coupled pumps [OH0], [OH1], [OH1A], [OH2], [OH3], & [OH3A]; (C) Sealless Cent. Pumps [OH9], [OH10], [OH11],[OH12]; (D) Between-bearing, separately coupled, single-stage pumps [BB1] & [BB2]; (E) Between-bearing, separately coupled, multistage pumps [BB3] & [BB4] & [BB5]; (F) Regenerative turbine pumps [RT1], [RT2], [RT3], [RT4]; and (G) Special-effects pumps (Pitot tube, etc.). Excluded are Vert. Diffuser type pumps as described in the scope of the Vert. Pump section.

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

**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

INCITS/ISO/IEC 29142-3:2013, Information technology - Print cartridge characterization - Part 3: Environment (identical national adoption of ISO/IEC 29142-3:2013)

ISO/IEC 29142-3:2013 describes the principles and framework for environmental assessment of ink and toner cartridges used in printing devices that have a digital input printing path, including multi-function devices, including: (a) the goals and definitions related to environmental responsibility; (b) guidance to determine the relative benefits of reuse, recycling, recovery, and reduction techniques; (c) identification and prioritization of environmental attributes according to each phase of the cartridge life-cycle; and (d) criteria for establishing environmentally sustainable practices.

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

### Reaffirmation

INCITS/ISO/IEC 14473-1999 (R201x), Information technology - Office Equipment - Minimum Information to be specified for image scanners (reaffirmation of INCITS/ISO/IEC 14473-1999)

This International Standard is intended to facilitate user selection of an image scanner. This International Standard specifies the minimum information that shall be included by manufacturers in their specification sheets for scanners.

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

### Reaffirmation

INCITS/ISO/IEC 15404-2000 (R201x), Information technology - Office machines - Facsimile equipment - Part 1: Concepts and classification (reaffirmation of INCITS/ISO/IEC 15404-2000)

This International Standard is intended to facilitate the users in selecting facsimile equipment that meets their requirements. This International Standard specifies the minimum information that shall be included in the specification sheets of facsimile equipment so that users may compare the characteristics of different machines.

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

### Reaffirmation

INCITS/ISO/IEC 15775/AM1-2005 (R201x), Information technology - Office Machines - Method of specifying image reproduction of colour copying machines by analog test charts - Realization and application - Amendment 1 (reaffirmation of INCITS/ISO/IEC 15775/AM1-2005)

This is the first amendment to ISO/IEC 15775:1999 that applies to the implementation and application of test charts for color copying machines. This International Standard serves for testing of reproduction properties of color copying machines, in order to help to recognize the possibilities and limits of various machines and for their comparison.

Single copy price: \$30.00

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

### Reaffirmation

INCITS/ISO/IEC 15775:1999 (R201x), Information technology - Office machines - Test chart for colour copying machines - Realisation and application (reaffirmation of INCITS/ISO/IEC 15775:1999)

This International Standard applies to implementation and application of test charts for color copying machines. This International Standard serves for testing of reproduction properties of color copying machines, in order to help to recognize the possibilities and limits of various machines and for their comparison.

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

### Reaffirmation

INCITS/ISO/IEC 19752:2004 (R201x), Information technology - Method for the determination of toner cartridge yield for monochrome electro-photographic printers and multi-function devices that may contain printer components (reaffirmation of INCITS/ISO/IEC 19752:2004)

ISO/IEC 19752:2004 is limited to evaluation of toner cartridge yield for toner containing cartridges (i.e., all-in-one toner cartridges and toner cartridges without a photoconductor) for monochrome electrophotographic printers. ISO/IEC 19752:2004 can also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e., multi-function devices that contain printer components).

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

### Reaffirmation

INCITS/ISO/IEC 19798:2007 (R201x), Information technology - Method of the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19798:2007)

ISO/IEC 19798:2007 defines a method for testing and calculation of average yield measured in the number of standard pages for a color toner cartridge and specific printer printing in a semi-continuous mode under a defined set of conditions. It uses the test page suite defined in ISO/IEC 24712. ISO/IEC 19798:2007 can also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e., multi-function devices that contain printer components).

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

### Reaffirmation

INCITS/ISO/IEC 19799:2007 (R201x), Information technology - Method of Measuring Gloss Uniformity for Printed Pages (reaffirmation of INCITS/ISO/IEC 19799:2007)

ISO/IEC 19799:2007 defines methods and processes for measuring objective print quality attributes for the assessment of gloss non-uniformity on printed pages in reflection mode, and provides transforms, when applicable, that relate the objective results to subjective responses if appropriate. The gloss uniformity attributes included in ISO/IEC 19799:2007 are differential gloss, gloss uniformity within a page, and gloss consistency within a run.

Single copy price: \$30.00

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

### Reaffirmation

INCITS/ISO/IEC 24700:2005 (R201x), Information technology - Quality and Performance of Office Equipment that Contain Reused Components (reaffirmation of INCITS/ISO/IEC 24700:2005)

ISO/IEC 24700:2004 specifies product characteristics for use in an original equipment manufacturer's or authorized third party's declaration of conformity to demonstrate that a marketed product that contains reused components performs equivalent to new, meeting equivalent to new component specifications and performance criteria, and continues to meet all the safety and environmental criteria required by responsibly built products.

Single copy price: \$30.00

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

### Reaffirmation

INCITS/ISO/IEC 24711:2007 (R201x), Information technology - Method for the determination of ink cartridge yield for color inkjet printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 24711:2007)

ISO/IEC 24711:2007 defines a method for testing and calculation of average yield measured in the number of standard pages for a color inkjet cartridge and a specific printer printing in a semi-continuous mode under a defined set of conditions. It uses the test page suite defined in ISO/IEC 24712. ISO/IEC 24711:2007 can also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e., multi-function devices that contain printer components).

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

### Reaffirmation

INCITS/ISO/IEC 24712:2007 (R201x), Information technology - Colour test pages for Measurement of Office Equipment Yield (reaffirmation of INCITS/ISO/IEC 24712:2007)

ISO/IEC 24712:2007 defines color test pages for the measurement of consumable yield. The test page suite includes four "customer" type documents and one "diagnostic" page that is used to determine end of ink or toner consumable life. These pages can be used for electro-photographic, inkjet printers and multi-function devices that have a digital printing path, i.e., an all-in-one electro-photographic machine that has digital printing capabilities.

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

### Reaffirmation

INCITS/ISO/IEC 18050:2006 [2008], Information technology - Print Quality Attributes for Machine Readable Digital Postage Marks (reaffirmation of INCITS/ISO/IEC 18050:2006)

ISO/IEC 18050:2006 specifies two methodologies for the measurement of specific print quality attributes of two-dimensional bar code symbols printed within the requirements of Digital Postage Marks. One of these methodologies is applicable to multi-row bar code symbologies and the other to two-dimensional matrix symbologies. ISO/IEC 18050:2006 defines methods for grading print-quality attributes and deriving an overall assessment of symbol quality.

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

### *Withdrawal*

INCITS/ISO/IEC 14545:1998, Information technology - Office Equipment - Methods for measuring copying machines productivity (withdrawal of INCITS/ISO/IEC 14545:1998)

This International Standard specifies a method for measuring the real output speed or "productivity" of copying machines. This International Standard is applicable to plain-paper copying machines equipped with automatic document feeder or handling capability. This International Standard can be used for such machines run in either simplex or duplex copying modes. It is specifically intended for use with nondigital copiers, generally referred to as light-lens or analog devices. This International Standard allows comparison of the throughput copy rates for a machine operated in its various available duplexing modes.

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## NFSI (National Floor Safety Institute)

### *Revision*

BSR/NFSI B101.5-201x, Standard Guide for Uniform Labeling Method for Identifying the Wet Static and Wet Dynamic Coefficient of Friction (Traction) of Floor Coverings, Floor Coverings with Coatings, and Treated Floor Coverings (revision of ANSI/NFSI B101.5-2012)

This guideline sets forth a uniform product labeling method which identifies the wet static and wet dynamic coefficient of friction (traction) of floor coverings, floor coverings with coatings, and treated floor coverings.

Single copy price: \$49.95

Obtain an electronic copy from: [laurac@nfsi.org](mailto:laurac@nfsi.org)

Order from: Laura Cooper, (817) 749-1700, [laurac@nfsi.org](mailto:laurac@nfsi.org)

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## UL (Underwriters Laboratories, Inc.)

### *Revision*

BSR/UL 1286-201x, Standard for Office Furnishings (revision of ANSI/UL 1286-2011b)

(1) Additional requirements to address upholstered office furnishing flammability. (2) Additional requirements for video display (flat panel TV) mounting on office furnishings.

Single copy price: Contact comm2000 for pricing and delivery options

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Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Susan Malohn, (847) 664-1725, [Susan.P.Malohn@ul.com](mailto:Susan.P.Malohn@ul.com)

## Comment Deadline: July 2, 2013

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

### *New Standard*

BSR S1001.1-201x, Design and Installation of Solar Water Heating Systems (new standard)

This Standard specifies requirements for the design and installation of pre-engineered solar water heating systems intended to be installed as stand-alone systems or in conjunction with auxiliary water heaters, including component selection and sizing criteria. This Standard does not cover: (a) existing water heating equipment; (b) systems engineered for discrete or site-specific applications; (c) performance and durability testing of collectors or solar water heating system components; and (d) design and installation of solar photovoltaic systems.

Single copy price: Free

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## UL (Underwriters Laboratories, Inc.)

### *New Standard*

BSR/UL 10D-201x, Standard for Safety for Fire Tests of Fire Protective Curtain Assemblies (new standard)

These requirements cover the evaluation of fire-protective curtains intended to provide supplemental, passive fire protection as part of an engineered fire-protection system. Fire-protective curtains provide nonstructural separation only, and are not intended to be employed where structural hourly rated partitions or protectives that have been tested for fire endurance and hose stream performance are required by code.

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: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

## Projects Withdrawn from Consideration

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

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

BSR/ASHRAE Standard 134-201x, Heating, Ventilating, Air-Conditioning and Refrigerating Systems (revision of ANSI/ASHRAE Standard 134-2005)

### ASME (American Society of Mechanical Engineers)

BSR/ASME PALD-201x, Safety Standard for Portable Automotive Lifting Devices (revision of ANSI/ASME PALD-2009)

### TIA (Telecommunications Industry Association)

BSR/TIA 470.340-201x, Telecommunications - Telephone Terminal Equipment - Feature Performance Requirements for Wideband Analog Telephones Used with VoIP Services (new standard)

## Corrections

### Incorrect Contact Information

#### BSR/AWS C2.19/C2.19M-201x

In the April 26th issue of Standards Action, the Call for Comment contact information provided for ordering drafts and sending comments for BSR/AWS C2.19/C2.19M-201x has been changed to the following:

Andrew Davis, (AWS) American Welding Society, [adavis@aws.org](mailto:adavis@aws.org); [aalonso@aws.org](mailto:aalonso@aws.org), (305) 443-9353, Ext. 466.

#### BSR/MAMA 001-201x

The March 22, 2013 Standards Action listed a typographical error in the email provided for obtaining draft copies for BSR/MAMA 001-201x, Personal Emergency Response Systems (PERS) Medical Alert Monitoring. The correct information is as follows: Order from: David Schwartz, [standards@medicalalertassociation.com](mailto:standards@medicalalertassociation.com).

### Revision Postponed

#### BSR/UL 497-201x

The proposal to revise BSR/UL 497-201x, Standard for Safety for Protectors for Paired-Conductor Communications Circuits, announced in the Call-for-Comment section of the April 26, 2013 issue of Standards Action, has been postponed, and another proposal will appear in a future issue.

### Incorrect Contact Information and Error in Scope

#### BSR/NASPO-SA-201x

There were several errors in the 4/19/2013 Standards Action Call-for-Comment section for BSR/NASPO-SA-201x, Security Assurance Standard.

The Send Comments contact information provided had an incorrect telephone number. The correct contact information for David Brown is (408) 765-1806 or (408) 623-4167, [david.a.brown@intel.com](mailto:david.a.brown@intel.com).

Additionally, the scope should have read: "This standard identifies security risks and specifies treatments that must be implemented to enable a secure operation to achieve Class III (Basic), Class II (High) or Class I (V.High) security assurance."

# 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.

## CAGI (Compressed Air and Gas Institute)

**Office:** 1300 Sumner Avenue  
Cleveland, OH 44115-2851

**Contact:** Christopher Johnson

**Phone:** (216) 241-7333 x3027

**Fax:** (216) 241-0105

**E-mail:** cjohnson@thomasamc.com

BSR/CAGI B186.1-201x, Safety Code for Portable Air Tools (new standard)

## CSA (CSA Group)

**Office:** 8501 East Pleasant Valley Rd.  
Cleveland, OH 44131

**Contact:** Cathy Rake

**Phone:** (216) 524-4990

**Fax:** (216) 520-8979

**E-mail:** cathy.rake@csagroup.org

BSR LNG 4.1-201x, Standard for Liquefied Natural Gas (LNG) Dispensing Systems (new standard)

BSR LNG 4.9-201x, Liquefied Natural Gas Fueling Station (new standard)

BSR NGV 5.1-201x, Home Refueling Appliance (new standard)

## HI (Hydraulic Institute)

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

**Contact:** Karen Anderson

**Phone:** (973) 267-9700 Ext 123

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

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

BSR/HI 1.4-201x, Rotodynamic (Centrifugal) Pump I, O, & M (revision of ANSI/HI 1.4-2010)

## ISA (ISA)

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

**Contact:** Eliana Brazda

**Phone:** (919) 990-9228

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

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

BSR/ISA 60079-11 (12.02.01)-201x, 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)-2012)

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

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

**Contact:** Barbara Bennett

**Phone:** (202) 626-5743

**Fax:** (202) 638-4922

**E-mail:** bbennett@itic.org; rporter@itic.org

INCITS/ISO/IEC 14473-1999 (R201x), Information technology - Office equipment - Minimum information to be specified for image scanners (reaffirmation of INCITS/ISO/IEC 14473-1999)

INCITS/ISO/IEC 15404-2000 (R201x), Information technology - Office machines - Facsimile equipment - Part 1: Concepts and classification (reaffirmation of INCITS/ISO/IEC 15404-2000)

INCITS/ISO/IEC 29142-3:2013, Information technology - Print cartridge characterization - Part 3: Environment (identical national adoption of ISO/IEC 29142-3:2013)

INCITS/ISO/IEC 15775/AM1-2005 (R201x), Information technology - Office machines - Method of specifying image reproduction of colour copying machines by analog test charts - Realization and application - Amendment 1 (reaffirmation of INCITS/ISO/IEC 15775/AM1-2005)

INCITS/ISO/IEC 14545:1998, Information technology - Office equipment - Method for measuring copying machine productivity (withdrawal of INCITS/ISO/IEC 14545:1998)

INCITS/ISO/IEC 15775:1999 (R201x), Information Technology - Office Machines - Test Chart for Colour Copying Machines - Realisation and Application (reaffirmation of INCITS/ISO/IEC 15775:1999)

INCITS/ISO/IEC 19752:2004 (R201x), Information technology - Method for the determination of toner cartridge yield for monochrome electro-photographic printers and multi-function devices that may contain printer components (reaffirmation of INCITS/ISO/IEC 19752:2004)

INCITS/ISO/IEC 19798:2007 (R201x), Information technology - Method of the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19798:2007)

INCITS/ISO/IEC 19799:2007 (R201x), Information Technology - Method of Measuring Gloss Uniformity for Printed Pages (reaffirmation of INCITS/ISO/IEC 19799:2007)

INCITS/ISO/IEC 24700:2005 (R201x), Information Technology - Quality and Performance of Office Equipment that Contain Reused Components (reaffirmation of INCITS/ISO/IEC 24700:2005)

INCITS/ISO/IEC 24711:2007 (R201x), Information technology - Method for the determination of ink cartridge yield for color inkjet printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 24711:2007)

INCITS/ISO/IEC 24712:2007 (R201x), Information Technology - Colour Test Pages for Measurement of Office Equipment Yield (reaffirmation of INCITS/ISO/IEC 24712:2007)

INCITS/ISO/IEC 18050:2006 [2008], Information Technology - Print Quality Attributes for Machine Readable Digital Postage Marks (reaffirmation of INCITS/ISO/IEC 18050:2006)

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

**Office:** 15 Technology Parkway South  
Peachtree Corners, GA 30092

**Contact:** *Charles Bohanan*

**Phone:** (770) 209-7276

**Fax:** (770) 446-6947

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

BSR/TAPPI T 836 om-201x, Bending stiffness, four point method (new standard)

**TIA (Telecommunications Industry Association)**

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

**Contact:** *Teesha Jenkins*

**Phone:** (703) 907-7706

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

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

BSR/TIA 102.AACA-A-200x, Project 25 Digital Radio Over-The-Air-Rekeying (OTAR) Messages and Procedures (new standard)

BSR/TIA 102.BAAD-B-201x, Conventional Procedures (new standard)

# 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.

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

### **Revision**

ANSI/AAMI ST8-2013, Hospital steam sterilizers (revision of ANSI/AAMI ST8-2008): 4/25/2013

## **ANS (American Nuclear Society)**

### **New Standard**

ANSI/ANS 3.4-2013, Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (new standard): 4/29/2013

## **ASCE (American Society of Civil Engineers)**

### **New Standard**

ANSI/ASCE/EWRI 12/13/14-2013, ASCE/EWRI 12-05, Standard Guidelines for the Design of Urban Subsurface Drainage; ASCE/EWRI 13-05, Standard Guidelines for the Installation of Urban Subsurface Drainage; and ASCE/EWRI 14-05, Standard Guidelines for the Operation and Maintenance of Urban Subsurface Drainage with material developed within the past five years (new standard): 4/24/2013

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

### **Reaffirmation**

ANSI/ASME Y14.6-2001 (R2013), Screw Thread Representation (reaffirmation of ANSI/ASME Y14.6-1978 (R1998)): 4/29/2013

ANSI/ASME Y14.38-2007 (R2013), Abbreviations and Acronyms for Use on Drawings and Related Documents (reaffirmation of ANSI/ASME Y14.38-2007): 4/29/2013

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

### **Revision**

ANSI ATIS 0900105.09-2013, Synchronous Optical Network (SONET) - Network Timing and Synchronization (revision of ANSI ATIS 0900105.09-1996 (R2008)): 4/29/2013

### **Withdrawal**

ANSI/ATIS 0700717-2000, Air Interface Standard for Broadband Direct Sequence CDMA for Fixed Wireless PSTN Access - Layer 2 (withdrawal of ANSI/ATIS 0700717-2000 (R2009)): 4/29/2013

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

### **New Standard**

ANSI/AWWA G480-2013, Water Conservation Program Operation and Management (new standard): 4/29/2013

## **EIA (ASC Z245) (Environmental Industry Associations)**

### **Revision**

ANSI Z245.2-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Stationary Compactors - Safety Requirements for Installation, Maintenance and Operation (revision of ANSI Z245.2-2008): 5/1/2013

ANSI Z245.5-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements for Installation, Maintenance and Operation (revision of ANSI Z245.5-2008): 5/1/2013

ANSI Z245.21-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Stationary Compactors - Safety Requirements for Installation, Maintenance and Operation (revision of ANSI Z245.21-2008): 5/1/2013

ANSI Z245.51-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements (revision of ANSI Z245.51-2008): 5/1/2013

## **IESNA (Illuminating Engineering Society of North America)**

### **Revision**

ANSI/IES RP-1-2013, IES Recommended Practice for Office Lighting (revision of ANSI/IESNA RP-1-2004): 4/24/2013

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

### **New Standard**

ANSI INCITS 504-2-2013, Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set (new standard): 4/29/2013

## **NSF (NSF International)**

### **Revision**

\* ANSI/NSF 40-2013 (i26r3), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2012 (i26)): 4/21/2013

## **SCTE (Society of Cable Telecommunications Engineers)**

### **New Standard**

ANSI/SCTE 195-2013, XFP-RF: Interface Specifications for an RF-Modulated Small Form Factor Pluggable Optical Module (new standard): 4/29/2013

ANSI/SCTE 196-2013, SFP-RF: Interface Specifications for an RF-Modulated Small Form Factor Pluggable Optical Module (new standard): 4/29/2013

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

### **New National Adoption**

ANSI/UL 61058-1-2013, Switches for Appliances - Part 1: General Requirements (national adoption of IEC 61058-1 with modifications and revision of ANSI/UL 61058-1-2009a): 2/15/2013

### **Reaffirmation**

ANSI/UL 489A-2008 (R2013), Standard for Safety for Circuit Breakers for Use in Communications Equipment (reaffirmation of ANSI/UL 489A-2008): 4/23/2013

### **Revision**

ANSI/UL 558-2013, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2012A): 4/30/2013

ANSI/UL 558-2013a, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2012A):  
4/30/2013

ANSI/UL 558-2013b, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2012A):  
4/30/2023

ANSI/UL 1310-2013, Standard for Safety for Class 2 Power Units (Proposal dated 11-16-12) (revision of ANSI/UL 1310-2012):  
4/24/2013

ANSI/UL 1310-2013a, Standard for Safety for Class 2 Power Units (Proposal dated 3-1-13) (revision of ANSI/UL 1310-2012a):  
4/24/2013

ANSI/UL 1767-2013, Standard for Safety for Early-Suppression Fast-Response Sprinklers (revision of ANSI/UL 1767-2010): 4/29/2013

# Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit [www.NSSN.org](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.

## 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](mailto:ANSIBox@asme.org)

BSR/ASME PASE-201x, Safety Standard for Portable Automotive Service Equipment (revision, redesignation and consolidation of ANSI/ASME PALD-2009 and ANSI/ASME ASP-2010)

Stakeholders: Distributors, automotive industry, manufacturers, insurance/inspection.

Project Need: In light of a newly established scope, the committee decided it would be best to revise and consolidate the PALD and ASP standards into a new standard under the heading of Portable Automotive Service Equipment.

This standard is intended to provide safety and performance requirements for portable automotive service equipment, including but not limited to:

- (a) car jacks;
- (b) vehicle support and engine stands;
- (c) mobile lifts;
- (d) automotive ramps;
- (e) shop presses;
- (f) oil filter crushers;
- (g) strut compressors;
- (h) oil and antifreeze handlers.

These codes or standards may include requirements for safety, health, design, quality, testing, production, construction, measurement, maintenance, performance or operation of equipment, or qualification of personnel.

## AWWA (American Water Works Association)

**Office:** 6666 W. Quincy Ave.  
Denver, CO 80235

**Contact:** *Paul Olson*

**Fax:** (303) 795-7603

**E-mail:** [polson@awwa.org](mailto:polson@awwa.org); [vdavid@awwa.org](mailto:vdavid@awwa.org)

BSR/AWWA B101-201x, Precoat Filter Media (revision of ANSI/AWWA B101-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for Precoat filtration media, including physical, chemical, packaging, shipping, and testing requirements.

This standard describes diatomaceous earth (DE), perlite, and other disposable filter materials used to Precoat filters for water supply service.

BSR/AWWA B200-201x, Sodium Chloride (revision of ANSI/AWWA B200-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for sodium chloride, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium chloride in the forms of rock, vacuum-granulated, compressed vacuum-granulated, solar, and compressed solar salt for use in the recharging of cation-exchange materials in water supply service for softening municipal and industrial potable water, wastewater, and reclaimed water supplies. Additionally, sodium chloride is used in the recharging of anion-exchange materials for nitrate removal or de-alkalization of municipal and industrial supplies.

BSR/AWWA B300-201x, Hypochlorites (revision, redesignation and consolidation of ANSI/AWWA B300-2010 and ANSI/AWWA B300a-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for hypochlorites, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes chlorinated lime, calcium hypochlorite, and sodium hypochlorite for use in water, wastewater, and reclaimed water treatment.

BSR/AWWA B402-201x, Ferrous Sulfate (revision of ANSI/AWWA B402-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for ferrous sulfate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes ferrous sulfate ( $\text{FeSO}_4$ ) in moist, dried, and solution (liquid) forms for the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B407-201x, Liquid Ferric Chloride (revision of ANSI/AWWA B407-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for liquid ferric chloride, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes ferric chloride in aqueous (liquid) form for use in the treatment of potable water, wastewater, and reclaimed water. Applications of the chemical include (1) water softening with lime or a combination of lime and soda ash to improve hardness reduction and coagulation, and (2) water clarification, as a coagulant, followed by settling or filtration.

BSR/AWWA B502-201x, Sodium Polyphosphate, Glassy (Sodium Hexametaphosphate) (revision of ANSI/AWWA B502-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for sodium polyphosphate, glassy, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium polyphosphate, glassy, for use in the treatment of potable water, wastewater, and reclaimed water. This material is also known as sodium hexametaphosphate, sodium tetrapolyphosphate, and Graham's salt.

BSR/AWWA B503-201x, Sodium Tripolyphosphate (revision of ANSI/AWWA B503-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with minimum requirements for (material), including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium Tripolyphosphate for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B504-201x, Monosodium Phosphate, Anhydrous and Liquid (revision of ANSI/AWWA B504-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for monosodium phosphate, anhydrous and liquid, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes monosodium phosphate, anhydrous and liquid, for use in the treatment of potable water, wastewater, and reclaimed water. The product described is an orthophosphate used as formulated and in blends to inhibit corrosion of water conveyance systems. The product described by this standard is also known as sodium phosphate, monobasic, anhydrous and liquid

BSR/AWWA B505-201x, Disodium Phosphate, Anhydrous (revision of ANSI/AWWA B505-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for disodium phosphate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes disodium phosphate, anhydrous, for use in the treatment of potable water, wastewater, and reclaimed water. The product described is an ortho-phosphate used, as formulated and in blends, to inhibit corrosion of potable water conveyance systems. The product described by this standard is also known as sodium phosphate, dibasic, anhydrous.

BSR/AWWA B510-201x, Carbon Dioxide (revision of ANSI/AWWA B510-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for carbon dioxide, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes carbon dioxide ( $\text{CO}_2$ ) for use in recarbonation and pH adjustment in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B601-201x, Sodium Metabisulfite (revision of ANSI/AWWA B601-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for sodium metabisulfite, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes the use of sodium metabisulfite ( $\text{Na}_2\text{S}_2\text{O}_5$ ) in the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B604-201x, Granular Activated Carbon (revision of ANSI/AWWA B604-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for GAC, including physical, testing, packing, and shipping requirements.

This standard describes virgin granular and extruded activated carbons for use as a filter medium and adsorbent in water treatment. It involves the selection, placement, and use of granular activated carbon (GAC) in filter adsorbers where the GAC must function as a filter medium and adsorbent, as well as in those systems where the primary function is adsorption.

BSR/AWWA B701-201x, Sodium Fluoride (revision of ANSI/AWWA B701-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for sodium fluoride, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium fluoride ( $\text{NaF}$ ), coarse crystalline grade, for use in the treatment of potable water.

BSR/AWWA B702-201x, Sodium Fluorosilicate (revision of ANSI/AWWA B702-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for sodium fluorosilicate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium fluorosilicate (Na<sub>2</sub>SiF<sub>6</sub>) for use in the treatment of potable water.

BSR/AWWA B703-201x, Fluorosilicic Acid (revision, redesignation and consolidation of ANSI/AWWA B703-2011 and ANSI/AWWA B703a-2013)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for Fluorosilicic acid, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes fluorosilicic acid (H<sub>2</sub>SiF<sub>6</sub>) for use in the treatment of potable water.

BSR/AWWA C200-201x, Steel Water Pipe, 6 In. (150 mm) and Larger (revision of ANSI/AWWA C200-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for steel water pipe, 6 in. (150 mm) and larger, including materials and quality of work, fabrication of pipe, and special sections.

This standard describes electrically butt-welded straight-seam or spiral-seam pipe and seamless pipe, 6 in. (150 mm) in nominal diameter and larger, for the transmission and distribution of water or for use in other water system facilities.

BSR/AWWA C205-201x, Cement-Mortar Protective Lining and Coating for Steel Water Pipe - 4 In. (100 mm) and Larger - Shop-Applied (revision of ANSI/AWWA C205-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for shop-applied cement-mortar lining and coating of steel water pipe, including material, application, inspection, handling, and field-jointing requirements.

This standard describes the material, application, and curing of shop-applied cement-mortar protective linings and coatings for steel water pipe and fittings and field jointing of cement-mortar-lined-and-coated steel water pipe and fittings.

BSR/AWWA C206-201x, Field Welding of Steel Water Pipe (revision of ANSI/AWWA C206-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for field welding and inspection of steel water pipe, including requirements and inspection.

This standard describes manual, semiautomatic, and automatic field welding by the metal arc-welding processes for steel water pipe manufactured in accordance with ANSI/AWWA C200, Standard for Steel Water Pipe - 6 In. (150 mm) and Larger. This standard describes field-performed, full-circumferential welding of three types of pipe joints: (1) lap joints, (2) butt joints, and (3) butt-strap joints.

BSR/AWWA C208-201x, Dimensions for Fabricated Steel Water Pipe Fittings (revision of ANSI/AWWA C208-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide formulas for use in calculating the general minimum requirements for the dimensions of fabricated steel water pipe fittings.

This standard provides formulas to calculate overall dimensions of fittings for steel water transmission and distribution facilities.

BSR/AWWA C219-201x, Bolted, Sleeve-Type Couplings for Plain-End Pipe (revision of ANSI/AWWA C219-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for couplings of plain-end pipe, including requirements for materials, design, testing and inspection, installation, and shipping.

This standard describes bolted, sleeve-type couplings, reducing or transition couplings, and flanged coupling adapters (couplings) used to join plain-end pipe. Couplings may be manufactured from carbon steel, stainless steel, ductile iron, or malleable iron and are intended for use in systems conveying water. This standard describes nominal coupling sizes from 1/2 in. (13 mm) through 144 in. (3,600 mm).

BSR/AWWA C220-201x, Stainless-Steel Pipe, 1/2 In. (13 mm) and Larger (revision of ANSI/AWWA C220-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for stainless-steel pipe, 1/2 in. (13 mm) and larger, including materials and quality of work, fabrication of pipe, specials and fittings, and testing and inspection.

This standard pertains to stainless-steel pipe that is seamless, longitudinal-seam, or spiral-seam welded, 1/2 in (13 mm) in nominal diameter and larger, intended for the transmission and distribution of potable water, wastewater, and reclaimed water, and for use in other water-supply facilities.

BSR/AWWA C221-201x, Fabricated Steel Mechanical Slip-Type Expansion Joints (revision of ANSI/AWWA C221-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for fabricated steel mechanical slip-type expansion joints, including system components, testing and marking requirements.

This standard describes fabricated steel mechanical slip-type expansion joints having packing chambers for use on pipe with plain, flanged, grooved, or shouldered ends in nominal pipe sizes from 3 in. through 144 in. (75 mm through 3,600 mm). The joints shall be manufactured from steel and are intended for use in systems conveying water. Mechanical expansion joints are not intended for use in buried condition.

BSR/AWWA C224-201x, Nylon-11-Based Polyamide Coating System for the Interior and Exterior of Steel Water Pipe, Connections, Fittings, and Special Sections (revision of ANSI/AWWA C224-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to establish and describe the minimum requirements for the application and use of polyamide coatings for steel articles employed in water handling to maximize long-term performance - in particular, long-term corrosion protection.

This standard describes Nylon-11-based polyamide coating systems for interior and exterior of steel pipe, connections, fittings, and special sections (articles) that are used in water-handling equipment that is installed aboveground, belowground, or underwater. Polyamide coating systems are thermoplastic and are ordinarily applied in a shop or manufacturing facility.

BSR/AWWA C227-201x, Bolted, Split-Sleeve Restrained and Nonrestrained Couplings for Plain-End Pipe (revision of ANSI/AWWA C227-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for bolted, split-sleeve couplings for plain-end pipe, including requirements for materials, design, testing and inspection, installation, marking, and shipping.

This standard describes bolted, split-sleeve couplings (couplings) used to join plain-end pipe of similar outside diameter. Couplings may be manufactured from carbon steel or stainless steel and are intended for use in systems conveying water, wastewater, or air used in water treatment. This standard covers nominal coupling sizes from 3/4 in. (20 mm) through 144 in. (3,600 mm).

BSR/AWWA C230-201x, Stainless-Steel Full-Encirclement Repair and Service Connection Clamps (revision of ANSI/AWWA C230-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for full-encirclement-type band clamps for various pipe materials, including system components, testing, and marking requirements.

This standard describes fabricated full-encirclement stainless-steel band clamps for use in the repair or service connection of potable water, wastewater, and reclaimed water piping systems. They intended for pipe sizes 2 in. (50 mm) through 12 in. (300 mm).

BSR/AWWA C300-201x, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C300-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for reinforced concrete pressure pipe, steel-cylinder type, including fabrication and testing requirements.

This standard describes the manufacture of reinforced concrete cylinder pipe in sizes 30 in. to 144 in. (760 mm to 3,660 mm), inclusive. Larger sizes have been manufactured based on the concepts of this standard. This type of pipe is designed for the internal pressure, external loads, and bedding conditions designated by the purchaser. This standard does not include requirements for design, handling, delivery, laying, field testing, or disinfection of pipe.

BSR/AWWA C302-201x, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for reinforced concrete pressure pipe, noncylinder type, including fabrication and testing requirements.

This standard describes the manufacture of circumferentially reinforced concrete pressure pipe, without a steel cylinder and not prestressed, in sizes from 12 in. to 144 in. (300 mm to 3,660 mm), inclusive and for working pressures not exceeding 55 psi (380 kPa) and working plus surge pressures not exceeding a total pressure of 65 psi (450 kPa). This type of pipe is designed for the internal pressure, external loads, and bedding conditions designated by the purchaser.

BSR/AWWA C530-201x, Pilot-Operated Control Valves (revision of ANSI/AWWA C530-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum requirements for pilot-operated control valves, including sizing considerations, design verification, testing, delivery, handling, and storage.

This standard establishes minimum requirements for pilot-operated control valves of globe, angle and wye body styles with various end connections in sizes from 1-1/2 in. through 60 in. (37.5 mm through 1,500 mm) in diameter, with water having a pH range from 6 to 9 and a temperature range from 40° to 125°F (4.4° to 52°C).

BSR/AWWA C561-201x, Fabricated Stainless-Steel Slide Gates (revision of ANSI/AWWA C561-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for fabricated stainless-steel slide gates, including materials, general design, manufacture, testing, inspection, and shipment.

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

BSR/AWWA C562-201x, Fabricated Aluminum Slide Gates (revision of ANSI/AWWA C562-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for fabricated aluminum slide gates, including materials, general design, manufacture, testing, inspection, and shipment.

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

BSR/AWWA C563-201x, Fabricated Composite Slide Gates (revision of ANSI/AWWA C563-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for fabricated composite slide gates, including materials, general design, manufacture, testing, inspection, and shipment.

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

BSR/AWWA C602-201x, Cement-Mortar Lining of Water Pipelines in Place - 4 in. (100 mm) and Larger (revision of ANSI/AWWA C602-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum requirements for cement-mortar lining of water pipelines, 4 in. (100 mm) and larger, in place, including materials, design, and methods for construction.

This standard describes the requirements for the materials and application of a cement-mortar lining to the inside surface of 4-in. (100-mm) and larger new and old steel, ductile-iron, and cast-iron water pipelines that have been previously installed, as well as related work.

BSR/AWWA C604-201x, Installation of Buried Steel Water Pipe - 4 in. (100 mm) and Larger (revision of ANSI/AWWA C604-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for the installation of buried steel water pipelines, including inspection, unloading, handling, storage, and testing.

This standard provides the field installation guidelines for buried steel water pipe, 4 in. (100 mm) and larger. The information contained in this standard is intended to be used as a guide to assist in the installation of steel water pipe.

BSR/AWWA C652-201x, Disinfection of Water-Storage Facilities (revision of ANSI/AWWA C652-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum requirements for the disinfection of water storage facilities, including the preparation of water storage facilities, application of chlorine, procedures for disinfecting underwater inspection and cleaning equipment, and sampling and testing for the presence of coliform bacteria, chlorine residual, and acceptable aesthetic water quality.

This standard for disinfection of water-storage facilities describes materials, facility preparation, application of disinfectant to interior surfaces of facilities, and sampling and testing for the presence of coliform bacteria, chlorine residual, and acceptable aesthetic water quality.

BSR/AWWA C701-201x, Cold-Water Meters - Turbine Type, for Customer Service (revision of ANSI/AWWA C701-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for cold-water, turbine-type meters, including materials and design.

This standard describes the various classes of cold-water turbine meters in sizes 3/4 in. (20 mm) through 20 in. (500 mm) for water-supply customer service, mainline metering, and custody transfer of water among purveyors, and the materials and workmanship employed in their fabrication. The turbine meters described in this standard are divided into class I and class II meters.

BSR/AWWA C703-201x, Cold-Water Meters - Fire-Service Type (revision of ANSI/AWWA C703-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for cold-water-meters fire-service type.

This standard describes the various types and classes of cold-water fire-service-type meters in sizes 3 in. (80 mm) through 10 in. (250 mm) and the materials and workmanship used in their fabrication.

BSR/AWWA C704-201x, Propeller-Type Meters for Waterworks Applications (revision of ANSI/AWWA C704-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for propeller-type meters for waterworks applications.

This standard describes the various types and classes of propeller meters in sizes 2 in. (50 mm) through 72 in. (1,800 mm) for waterworks applications. These meters register by recording the revolutions of a propeller set in motion by the force of flowing water striking the blades.

BSR/AWWA C708-201x, Cold-Water Meters - Multijet Type (revision of ANSI/AWWA C708-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for multijet-type cold-water meters, including materials and design.

This standard describes cold-water, multijet meters in sizes 5/8 in. (15 mm) through 2 in. (50 mm) for water utilities' customer service and the materials and workmanship employed in their fabrication. These meters register by recording the revolutions of a rotor set in motion by the force of flowing water striking the blades.

BSR/AWWA C907-201x, Injection-Molded Polyvinyl Chloride (PVC) Pressure Fittings, 4 in. through 12 in. (100 mm through 300 mm), for Water, Wastewater, & Reclaimed Water Services (revision of ANSI/AWWA C907-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for PVC pressure injection-molded fittings, 4 in. to 12 in. (100 mm to 300 mm), for underground PVC and PVCO pressure-pipe systems.

This standard describes Pressure Class 235 polyvinyl chloride (PVC) injection-molded fittings with push-on, rubber-gasketed joints in nominal sizes 4 in. through 12 in. (100 mm through 300 mm).

BSR/AWWA C110/A21.10-201x, Ductile-Iron and Gray-Iron Fittings (revision of ANSI/AWWA C110/A21.10-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for ductile-iron and gray-iron fittings, 3 in. through 48 in. (80 mm through 1,200 mm), for potable water, wastewater, and reclaimed water.

This standard describes 3- to 48-in. (80- to 1,200-mm) gray-iron or ductile-iron fittings to be used with ductile-iron pipe for potable water, wastewater, and reclaimed water for a temperature range of 33° - 120° F (0.6° - 49°C).

BSR/AWWA C111/A21.11-201x, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings (revision of ANSI/AWWA C111/A21.11-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for rubber-gasket joints for ductile-iron pressure pipe and ductile-iron and gray-iron fittings, including requirements and inspection.

This standard describes rubber-gasket joints of the following types for ductile-iron pressure pipe and ductile-iron and gray-iron fittings, valves, hydrants, and other appurtenances for potable water, wastewater, and reclaimed water supply service.

BSR/AWWA C115/A21.15-201x, Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges (revision of ANSI/AWWA C115/A21.15-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for flanged ductile-iron pipe with ductile-iron or gray-iron threaded flanges.

This standard describes 3-in. through 64-in. (80-mm through 1,600-mm) flanged ductile-iron pipe with ductile-iron or gray-iron threaded flanges for potable water, wastewater, and reclaimed water service. Flanged pipe and flanges are rated for a maximum working pressure of 250 psi (1,720 kPa). However, 24-in. (600-mm) and smaller flanged joints with ductile-iron flanges may be rated for a maximum working pressure of 350 psi (2,413 kPa).

BSR/AWWA C153/A21.53-201x, Ductile-Iron Compact Fittings (revision of ANSI/AWWA C153/A21.53-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for ductile-iron compact fittings, 3 in. through 64 in. (80 mm through 1,600 mm), for potable water, wastewater, and reclaimed water service.

This standard describes 3-in. through 64-in. (80-mm through 1,600-mm) ductile-iron compact fittings to be used with ductile-iron pipe or pipe made of other materials with similar outside diameters for conveying potable water, wastewater, and reclaimed water.

BSR/AWWA D100-201x, Welded Carbon Steel Tanks for Water Storage (revision of ANSI/AWWA D100-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for the design, construction, inspection, and testing of new welded carbon steel tanks for the storage of water at atmospheric pressure.

The purpose of this standard is to provide minimum requirements for the design, construction, inspection, and testing of new welded carbon steel tanks for the storage of water at atmospheric pressure.

BSR/AWWA D102-201x, Coating Steel Water-Storage Tanks (revision of ANSI/AWWA D102-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for coating steel water-storage tanks, including materials, coating systems, surface preparation, application, and inspection and testing.

This standard describes coating systems for coating and recoating the inside and outside surfaces of steel tanks used for potable water storage in water supply service. Coating systems for new bolted steel tanks are not described in this standard (see ANSI/AWWA D103).

BSR/AWWA D121-201x, Bolted Aboveground Thermosetting Fiberglass-Reinforced Plastic Panel-Type Tanks for Water Storage (revision of ANSI/AWWA D121-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for the design, manufacture, installation, and inspection of bolted, aboveground thermoset fiberglass-reinforced plastic (FRP) panel-type tanks for the storage of water. This standard is only applicable to tanks with a base elevation substantially at ground level.

This standard describes the design, fabrication, installation, inspection, and testing of bolted aboveground thermosetting fiberglass-reinforced plastic (FRP) panel-type tanks for potable water storage. Requirements for the fabrication, handling, construction, and testing of FRP panels, concrete and steel foundation structure, foundation, and accessories are included.

BSR/AWWA D130-201x, Geomembrane Materials for Potable Water Applications (revision of ANSI/AWWA D130-2011)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for geomembrane lining and floating-cover materials for potable water storage, including minimum requirements for materials, fabrication, and installation and quality assurance.

This standard pertains to geomembrane materials supplied in sheet form for lining, covering, or lining and covering potable water reservoirs. The successful application of this standard is dependent on an appropriate site evaluation, design, material selection, construction, as well as operations and maintenance. This standard includes requirements for material properties, fabrication, and installation.

**BSR/AWWA F110-201x, Ultraviolet Disinfection Systems for Drinking Water (revision of ANSI/AWWA F110-2012)**

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide a minimum set of requirements for UV systems for drinking water treatment systems. This standard is intended to assist with the design, procurement, installation, and commissioning of UV disinfection systems.

This standard sets the minimum requirements for closed-vessel UV disinfection systems and equipment elements used for drinking water disinfection of *Cryptosporidium*, *Giardia*, and viruses. Equipment and elements covered under this standard include UV reactors, related appurtenances, and reactor validation.

**BSR/AWWA G100-201x, Water Treatment Plant Operation and Management (revision of ANSI/AWWA G100-2011)**

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the critical requirements for the operation and management of water treatment plants, including maintaining water quality, system management programs, and operation and maintenance of facilities.

This standard describes the critical requirements for the effective operation and management of drinking water treatment plants.

**BSR/AWWA G440-201x, Emergency Preparedness Practices (revision of ANSI/AWWA G440-2011)**

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum emergency preparedness requirements for water, wastewater, or reuse facilities to respond to emergencies and restore normal operations, minimizing the disruption of critical services while sustaining public health, protecting property, and maintaining consumer confidence.

This standard covers the minimum requirements to establish and maintain an acceptable level of emergency preparedness based on the identified and perceived risks facing utilities within the water sector.

**CAGI (Compressed Air and Gas Institute)**

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**BSR/CAGI B186.1-201x, Safety Code for Portable Air Tools (new standard)**

Stakeholders: Manufacturers, owners, employers, supervisors and others concerned with worker safety.

Project Need: To promote the safe design and use of air tools to tool manufacturers, owners, employers, supervisors, and others concerned with worker safety.

This code applies to the safety related aspects of the design, construction, installation, operation, and maintenance of portable, hand-held, industrial air tools of the types used generally throughout industry for fabricating, assembly, disassembly, and material working.

**CSA (CSA Group)**

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\* **BSR LNG 4.1-201x, Standard for Liquefied Natural Gas (LNG) Dispensing Systems (new standard)**

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies, regulators.

Project Need: New standard needed for safety.

This standard details safety requirements for newly manufactured systems that dispense liquefied natural gas for vehicles, directly into the vehicle fuel storage container. Each dispenser may have the capability of independently fueling more than one vehicle simultaneously and/or dispensing more than one type of fuel. This standard does not apply to the nozzle; natural gas storage containers; vehicle fueling appliances for LNG remote station or Kiosk consoles and remote sequencing equipment; and other remote equipment not supplied as part of the dispenser.

\* **BSR LNG 4.9-201x, Liquefied Natural Gas Fueling Station (new standard)**

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies, regulators.

Project Need: Standard needed for safety.

This standard specifies the characteristics of outdoor public and non-public fueling Liquefied Natural Gas Fueling Stations (LNGFS) that dispenses Liquefied Natural Gas used as fuel to fill land vehicles equipped with an onboard storage container(s). The LNGFS is defined as an integration of liquefied natural gas supply, storage and dispensing subsystems. LNGFS performance is measured at the dispenser nozzle outlet: the interface between the station and vehicle.

\* **BSR NGV 5.1-201x, Home Refueling Appliance (new standard)**

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies, regulators.

Project Need: Standard needed for safety.

This standard details mechanical and electrical requirements for newly manufactured systems that dispense natural gas for vehicles directly into the vehicle fuel storage container and are installed in non-commercial/non-public locations. This standard does not apply to the nozzle, hose assemblies, and connection devices associated with such equipment.

**EOS/ESD (ESD Association, Inc.)**

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BSR/ESD S20.21-201x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment - Aerospace Quality Systems (new standard)

Stakeholders: Aerospace industry.

Project Need: Producers of high-reliability systems for which repair is not possible or cost prohibitive, or where failure risks human life, are normally required by contract to provide a production process by which the hardware will be produced in an environment of quality control and assurance. This aspect of production is as closely tied to the final product specification, as are the physical performance criteria. This standard will provide a minimum baseline that buyers of high-reliability equipment can use.

This document provides minimum assurance requirements for ESD control that prevent installation of latent defects in high-reliability hardware and that reduce the risk of cost and schedule creep due to damaging ESD events during manufacturing. This assurance standard uses ESDA test methods by reference and is intended to be a standalone document using ANSI/ESD S20.20 as a base. When invoked, and when there is a conflict between the requirements in this standard and those in ANSI/ESD S20.20, the requirements in this standard shall be applied. High-reliability hardware is that which is impossible or cost-prohibitive to repair, or that for which failure risks human life.

**ISA (ISA)**

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BSR/ISA 60079-11 (12.02.01)-201x, 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)-2012)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To revise Clause 2, 3.8, and 7.3 regarding UL 248-1 vs the UL 284 series; revise Figure 2 regarding the separation distance for 8.9.2(b) supplementary protection.

This standard specifies the construction and testing of intrinsically safe apparatus intended for use in an explosive atmosphere and for associated apparatus, which is intended for connection to intrinsically safe circuits that enter such atmospheres.

**MedBiq (MedBiquitous Consortium)**

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\* BSR/MEDBIQ LO.20.1.201x, Healthcare Learning Object Metadata (revision and redesignation of ANSI/MEDBIQ LO.10.1-2008)

Stakeholders: Professional associations, universities, health professions educators, umbrella organizations in professional medicine and healthcare, government agencies, software developers, e-learning developers, healthcare professionals.

Project Need: Many organizations have repositories of learning resources for healthcare education, and they require a common metadata standard to enable effective discovery and use of this educational content. Updates to this standard are required to address advances in healthcare education.

Revising existing standard to reflect changes in the health professions education industry.

**PLASA (PLASA North America)**

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BSR E1.4-201x, Entertainment Technology - Manual Counterweight Rigging Systems (revision of ANSI E1.4-2009)

Stakeholders: Theatrical rigging system manufacturers, installers, specifiers, users, owners.

Project Need: The existing standard does not explicitly state some essential requirements. These need to be added.

Describes the design, construction, and installation of manually powered counterweight rigging systems used in theaters to support and move scenery and lighting equipment. The purpose of the standard is to help assure the safety of these systems. The standard does not cover motorized systems or systems used for moving materials during building construction.

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

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BSR/TAPPI T 836 om-201x, Bending stiffness, four point method (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise it if needed to address new technology or correct errors.

This procedure specifies the method of determining the bending stiffness, also called flexural rigidity, in the machine and cross directions, of corrugated board using four-point loading. The procedure may also be used for solid boards and paperboard. The method is applicable to boards with a bending stiffness of 0.5 - 200 Nm (4.4 - 1770 lbf-in.).

**TIA (Telecommunications Industry Association)**

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BSR/TIA 102.AACA-A-200x, Project 25 Digital Radio Over-The-Air-Rekeying (OTAR) Messages and Procedures (new standard)

Stakeholders: Federal/state/local government; Manufacturers of handheld & mobile radios and systems, and associated equipment; Radio component and software companies; radio test.

Project Need: Create new standard.

Merge of OTAR Protocol document (TIA 102.AACA) with OTAR Operational Description document (TIA 102.AACB) to form OTAR Messages and Procedures document (TIA 102.AACA-A)

BSR/TIA 102.BAAD-B-201x, Conventional Procedures (new standard)

Stakeholders: Narrowband land mobile radio manufacturers and users of conventional radio configurations.

Project Need: Create new standard.

Revision of the Conventional Procedures to address packet data procedures and address errata.

# American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide 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, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "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 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8284 Fax: (703) 276-0793 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers Two 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>EOS/ESD</b> ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: <a href="http://www.esda.org">www.esda.org</a></p>	<p><b>NFSI</b> National Floor Safety Institute P.O. Box 92607 Southlake, TX 76092 Phone: (817) 749-1705 Fax: (817) 749-1702 Web: <a href="http://www.nfsi.org">www.nfsi.org</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526-5592 Phone: (708) 579-8269 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) 832-9743 Fax: (610) 834-3655 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>HI</b> Hydraulic Institute 6 Campus Drive, 1st Fl North Parsippany, NJ 07054 Phone: (973) 267-9700 Ext 123 Fax: (973) 267-9055 Web: <a href="http://www.pumps.org">www.pumps.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>APA</b> APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Fax: (253) 565-7265 Web: <a href="http://www.apawood.org">www.apawood.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>IAPMO (ASC Z124)</b> International Association of Plumbing &amp; Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761-2816 Phone: (909) 472-4106 Fax: (909) 472-4150 Web: <a href="http://www.iapmort.org">www.iapmort.org</a></p>	<p><b>PLASA</b> PLASA North America 630 Ninth Avenue, Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: <a href="http://www.plasa.org">www.plasa.org</a></p>
<p><b>APSP</b> Association of Pool and Spa Professionals 2111 Eisenhower Avenue Alexandria, VA 22314 Phone: (703) 838-0083 x150 Fax: (703) 549-0493 Web: <a href="http://www.apsp.org">www.apsp.org</a></p>	<p><b>AWWA</b> American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: <a href="http://www.awwa.org">www.awwa.org</a></p>	<p><b>IESNA</b> Illuminating Engineering Society of North America 120 Wall Street, 17th Floor New York, NY 10005 Phone: (212) 248-5000 Fax: (212) 248-5017 Web: <a href="http://www.iesna.org">www.iesna.org</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd. Exton, PA 19341 Phone: (610) 594-7308 Fax: (610) 363-7133 Web: <a href="http://www.scte.org">www.scte.org</a></p>
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>CAGI</b> Compressed Air and Gas Institute 1300 Sumner Avenue Cleveland, OH 441152851 Phone: (216) 241-7333 x3027 Fax: (216) 241-0105 Web: <a href="http://www.cagi.org/welcome.htm">www.cagi.org/welcome.htm</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>TAPPI</b> Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Peachtree Corners, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: <a href="http://www.tappi.org">www.tappi.org</a></p>
<p><b>ASCE</b> American Society of Civil Engineers 1801 Alexander Bell Dr Reston, VA 20191 Phone: 703-295-6176 Web: <a href="http://www.asce.org">www.asce.org</a></p>	<p><b>CSA</b> CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: <a href="http://www.csa-america.org">www.csa-america.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) 626-5746 Fax: (202) 638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 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) 539-1175 Fax: (678) 539-2175 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>EIA (ASC Z245)</b> Environmental Industry Associations 4301 Connecticut Ave NW, Suite 300 Washington, DC 20008 Phone: (202) 364-3786 Web: <a href="http://www.environmentalistseveryday.org/about-wastec-solid-waste-equipment-technology/programs-and-news/index.nhn#">www.environmentalistseveryday.org/about-wastec-solid-waste-equipment-technology/programs-and-news/index.nhn#</a></p>	<p><b>MedBiq</b> MedBiquitous Consortium 5801 Smith Avenue, Davis 3110C Baltimore, MD 21202 Phone: (410) 735-6142 Fax: (410) 735-4660 Web: <a href="http://www.medbiq.org">www.medbiq.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096 Phone: (847) 664-2850 Fax: (847) 664-2850 Web: <a href="http://www.ul.com/">www.ul.com/</a></p>



# ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO 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 (isot@ansi.org). The final date for offering comments is listed after each draft.

## Ordering Instructions

**ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO 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.**

### **AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO/DIS 12228-1, Determination of individual and total sterols contents - Gas chromatographic method - Part 1: Animal and vegetable fats and oils - 7/27/2013

### **ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)**

ISO/DIS 17256, Anaesthetic and respiratory equipment - Respiratory therapy tubing and connectors - 5/27/2013

### **CERAMIC TILE (TC 189)**

ISO/DIS 10545-4, Ceramic tiles - Part 4: Determination of modulus of rupture and breaking strength - 7/27/2013

ISO/DIS 10545-8, Ceramic tiles - Part 8: Determination of linear thermal expansion - 7/27/2013

### **DENTISTRY (TC 106)**

ISO/DIS 16443, Dentistry - Vocabulary of oral implantology - 7/27/2013

### **GAS CYLINDERS (TC 58)**

ISO/DIS 10286, Gas cylinders - Terminology - 7/27/2013

### **HEALTH INFORMATICS (TC 215)**

ISO/DIS 22077-1, Health informatics - Medical waveform format - Part 1: Encoding rules - 5/27/2013

### **OPTICS AND OPTICAL INSTRUMENTS (TC 172)**

ISO/DIS 13212, Ophthalmic optics - Contact lens care products - Guidelines for determination of shelf-life - 7/27/2013

ISO/DIS 11979-6, Ophthalmic implants - Intraocular lenses - Part 6: Shelf-life and transport stability - 12/14/2013

### **OTHER**

ISO/DIS 15701, Leather - Tests for colour fastness - Part IUF 442 rev: Colour fastness to migration into polymeric material - 7/27/2013, \$33.00

### **THERMAL INSULATION (TC 163)**

ISO/DIS 10916, Calculation of the impact of daylight utilization on the net and final energy demand for lighting - 8/4/2013, \$134.00

### **TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

ISO/DIS 15638-6, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight Vehicles (TARV) - Part 6: Regulated applications - 8/4/2013, \$125.00

ISO/DIS 15638-8, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 8: Vehicle access management - 8/4/2013, \$125.00

ISO/DIS 15638-11, Intelligent transport systems - Framework for cooperative telematics applications for Regulated commercial freight vehicles (TARV) - Part 11: Driver work records - 8/4/2013, \$134.00

ISO/DIS 15638-12, Intelligent transport systems - Framework for cooperative telematics applications for Regulated commercial freight vehicles (TARV) - Part 12: Vehicle mass monitoring - 8/4/2013, \$134.00

ISO/DIS 15638-14, Intelligent transport systems - Framework for cooperative telematics applications for Regulated commercial freight vehicles (TARV) - Part 14: Vehicle access control - 8/4/2013, \$125.00

ISO/DIS 15638-15, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 15: Vehicle location monitoring - 8/4/2013, \$125.00

ISO/DIS 15638-16, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 16: Vehicle speed monitoring - 8/4/2013, \$134.00

ISO/DIS 15638-17, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 17: Consignment and location monitoring - 8/4/2013, \$125.00

### **ISO/IEC JTC 1, Information Technology**

ISO/IEC 19794-11/DAMd1, Information technology - Biometric data interchange formats - Part 11: Signature/sign processed dynamic data - Amendment 1: Conformance test assertions - 8/2/2013, \$77.00

ISO/IEC DIS 30121, System and software engineering - Information technology - Governance of digital forensic risk framework - 8/3/2013, \$40.00

ISO/IEC DIS 15961-4, Information technology - Radio frequency identification (RFID) for item management: Data protocol - Part 4: Application interface commands for battery assist and sensor functionality - 8/2/2013, \$88.00

**OTHER**

ISO/IEC DGuide 51, Safety aspects - Guidelines for their inclusion in standards - 6/17/2013, \$80.00



# 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

### MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

[ISO 19901-7:2013](#), Petroleum and natural gas industries - Specific requirements for offshore structures - Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units, \$285.00

### ROAD VEHICLES (TC 22)

[ISO 16850/Amd1:2013](#), Road vehicles - Pedestrian protection - Child head impact test method - Amendment 1, \$20.00

### VALVES (TC 153)

[ISO 28921-1:2013](#), Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing, \$126.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 15444-1/Amd5:2013](#), Information technology - JPEG 2000 image coding system: Core coding system - Amendment 5: Enhancements for digital cinema and archive profiles (additional frame rates), \$20.00

[ISO/IEC 27014:2013](#), Information technology - Security techniques - Governance of information security, \$90.00

[ISO/IEC 10918-5:2013](#), Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF), \$80.00

## IEC Standards

### AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

[IEC 60268-3 Ed. 4.0 b:2013](#), Sound system equipment - Part 3: Amplifiers, \$337.00

### ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC 60601-2-33 Amd.1 Ed. 3.0 b:2013](#), Amendment 1 - Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis, \$44.00

[IEC 60601-2-33 Ed. 3.1 b:2013](#), Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis, \$460.00

### ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)

[IEC 60068-2-57 Ed. 3.0 b:2013](#), Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history and sine-beat method, \$257.00

### EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

[IEC 62056-9-7 Ed. 1.0 b:2013](#), Electricity metering data exchange - The DLMS/COSEM suite - Part 9-7: Communication profile for TCP-UDP/IP networks, \$104.00

### FUSES (TC 32)

[IEC 60549 Ed. 2.0 b:2013](#), High-voltage fuses for the external protection of shunt capacitors, \$92.00

### INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC/TR 62685 Ed. 1.0 b:2010](#), Industrial communication networks - Profiles - Assessment guideline for safety devices using IEC 61784-3 functional safety communication profiles (FSCPs), \$205.00

### MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 62287-1 Amd.1 Ed. 2.0 en:2013](#), Amendment 1 - Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques, \$24.00

[IEC 62287-1 Ed. 2.1 en:2013](#), Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques, \$403.00

### MEASURING EQUIPMENT FOR ELECTROMAGNETIC QUANTITIES (TC 85)

[IEC 60469 Ed. 1.0 b:2013](#), Transitions, pulses and related waveforms - Terms, definitions and algorithms, \$337.00

### POWER ELECTRONICS (TC 22)

[IEC 61954 Amd.1 Ed. 2.0 b:2013](#), Amendment 1 - Static var compensators (SVC) - Testing of thyristor valves, \$24.00

[IEC 61954 Ed. 2.1 b:2013](#), Static var compensators (SVC) - Testing of thyristor valves, \$376.00

[IEC 61800-7-301 Ed. 1.0 b:2007](#), Adjustable speed electrical power drive systems - Part 7-301: Generic interface and use of profiles for power drive systems - Mapping of profile type 1 to network technologies, \$386.00

[IEC 61800-7-302 Ed. 1.0 b:2007](#), Adjustable speed electrical power drive systems - Part 7-302: Generic interface and use of profiles for power drive systems - Mapping of profile type 2 to network technologies, \$185.00

[IEC 61800-7-303 Ed. 1.0 b:2007](#), Adjustable speed electrical power drive systems - Part 7-303: Generic interface and use of profiles for power drive systems - Mapping of profile type to network technologies, \$372.00

[IEC 61800-7-304 Ed. 1.0 b:2007](#), Adjustable speed electrical power drive systems - Part 7-304: Generic interface and use of profiles for power drive systems - Mapping of profile type 4 to network technologies, \$359.00

#### **PROCESS MANAGEMENT FOR AVIONICS (TC 107)**

[IEC/TR 62240-1 Ed. 1.0 en:2013](#), Process management for avionics - Electronic components capability in operation - Part 1: Temperature uprating, \$292.00

#### **SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)**

[IEC 60335-2-21 Ed. 6.0 b cor.1:2013](#), Corrigendum 1 - Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters, \$0.00

#### **SAFETY OF MACHINERY - ELECTROTECHNICAL ASPECTS (TC 44)**

[IEC 60204-SER Ed. 1.0 b:2013](#), Safety of machinery - Electrical equipment of machines - ALL PARTS, \$1469.00

[IEC 60204-31 Ed. 4.0 b:2013](#), Safety of machinery - Electrical equipment of machines - Part 31: Particular safety and EMC requirements for sewing machines, units and systems, \$169.00

#### **SECONDARY CELLS AND BATTERIES (TC 21)**

[IEC 61427-1 Ed. 1.0 b:2013](#), Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 1: Photovoltaic off-grid application, \$139.00

#### **SEMICONDUCTOR DEVICES (TC 47)**

[IEC 60749-26 Ed. 3.0 b:2013](#), Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM), \$257.00

#### **SURGE ARRESTERS (TC 37)**

[IEC 61643-312 Ed. 1.0 b:2013](#), Components for low-voltage surge protective devices - Part 312: Selection and application principles for gas discharge tubes, \$154.00

## **IEC Technical Specifications**

#### **INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)**

[IEC/TS 62492-2 Ed. 1.0 en:2013](#), Industrial process control devices - Radiation thermometers - Part 2: Determination of the technical data for radiation thermometers, \$185.00

# 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

Digital Transmission License Administrator

Public Review: March 18, 2013 to June 12, 2013

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

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## American National Standards

### INCITS Executive Board

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

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

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

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

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

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

### Standards Technical Panels (STP)

#### Formation of STP for ANSI/UL 2438

Underwriters Laboratories, Inc. announces it is forming a new Standards Technical Panel for the Standard for Outdoor Seasonal-Use Cord-Connected Wiring Devices, ANSI/UL 2438. For more information contact:

Camille A. Alma - Project Manager for STP 2438  
Standards Department  
Underwriters Laboratories, Inc.  
1285 Walt Whitman Road  
Melville, NY 11747  
Phone: (631) 546-2688  
e-mail: [Camille.A.Alma@ul.com](mailto:Camille.A.Alma@ul.com)

## ANSI Accredited Standards Developers

### Approval of Accreditation

#### Society for Imaging Science & Technology (IS&T)

ANSI's Executive Standards Council has approved the Society for Imaging Science & Technology (IS&T), an ANSI Organizational Member, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on American National Standards, effective April 30, 2013. For additional information, please contact: Ms. Ann McCarthy, Standards Coordinator, Society for Imaging Science & Technology, 7003 Kilworth Lane, Springfield, VA 22151; phone: 703.642.9090, ext. 102; e-mail: [standards@imaging.org](mailto:standards@imaging.org).

### Reaccreditation

#### National Floor Safety Institute (NFSI)

##### Comment Deadline: June 3, 2013

The National Floor Safety Institute (NFSI), an ANSI organizational member, has submitted revisions to its currently accredited operating procedures on file for documenting consensus on NFSI-sponsored American National Standards, under which it was last reaccredited in 2010. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Laura Cooper, Manager, Member Relations, National Floor Safety Institute, P.O. Box 92607, Southlake, TX 76092; phone: 817.749.1700; e-mail: [laurac@nfsi.org](mailto:laurac@nfsi.org). You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANSI%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to NFSI by June 3, 2013, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: [jthomps@ansi.org](mailto:jthomps@ansi.org)).

## Withdrawal of ASD Accreditation of I3A and Transfer of American National Standards to IS&T

The status of the International Imaging Industry Association (I3A) as a separately accredited ANSI ASD is formally withdrawn and all I3A-registered projects and American National Standards have been transferred for maintenance to the Society of Imaging Science & Technology (IS&T), effective April 30, 2013. Please direct any related inquiries to: Ms. Ann McCarthy, Standards Coordinator, Society for Imaging Science & Technology, 7003 Kilworth Lane, Springfield, VA 22151; phone: 703.642.9090, ext. 102; e-mail: [standards@imaging.org](mailto:standards@imaging.org).

## International Organization for Standardization (ISO)

### Call for US/TAG Administrator

### ISO/TC 173/SC 3 – Aids for Ostomy and Incontinence

ANSI has been informed that AAMI (Association for the Advancement of Medical Instrumentation), the ANSI accredited US/TAG administrator for ISO/TC 173/SC 3, wishes to relinquish the role as US/TAG administrator. ISO/TC 173/SC 3 has the following scope:

Standardization in the field of assistive products for persons with disability.

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

## New Field of ISO Technical Activity

### Remanufacturing of Mechanical Products

#### Comment Deadline: June 14, 2013

SAC (China) has submitted to ISO the attached proposal for a new field of ISO technical work on Remanufacturing of mechanical products, with the following scope statement:

Standardization of mechanical products remanufacturing, including product, technology, management and service and so on.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, June 14, 2013.

# Information Concerning

## International Organization for Standardization (ISO)

### Call for US/TAG Administrator

## ISO/TC 163 – Thermal Performance and Energy Use in the Built Environment

ANSI has been informed that ASTM International, the ANSI accredited US/TAG administrator for ISO/TC 163, wishes to relinquish the role as US/TAG administrator. ISO/TC 163 has the following scope:

*Standardization in the field of building and civil engineering works*

*◦of thermal and hygrothermal performance of materials, products, components, elements and systems, including complete buildings, both new and existing, and their interaction with technical building systems;*

*◦of thermal insulation materials, products and systems for building and industrial application, including insulation of installed equipment in buildings;*

*Covering and including:*

*◦test and calculation methods for heat and moisture transfer, temperature and moisture conditions;*

*◦test and calculation methods for energy use in buildings, including the industrial built environment;*

*◦test and calculation methods for heating and cooling loads in buildings;*

*◦test and calculation methods for daylighting, ventilation, and air infiltration;*

*◦in-situ test methods for thermal, hygrothermal and energy performance of buildings and building components, input data for calculations, including climatic data;*

*◦specifications for thermal insulation materials, products and systems with related test methods and conformity criteria; terminology; and general review and coordination of work on thermal and hygrothermal performance within ISO.*

*Excluded:*

*◦building environment design (ISO/TC 205);*

*◦methods of testing and rating the performance of building environmental equipment for application in the design of new buildings and retrofits (ISO/TC 205); and*

*◦design methods and criteria for daylighting, ventilation and air infiltration (ISO/TC 205).*

*Covering also:*

*Standardization of the holistic assessment of the energy performance of new and existing buildings as well as building retrofits, in close collaboration with ISO/TC 205 by means of the ISO/TC163/WG4 Joint working group TC 163 & TC 205, Energy performance using holistic approach, including:*

- terms and definitions;*
- system boundaries for buildings and technical systems;*
- assessment of the overall energy performance of buildings, taking into account:*
  - the energy performance of building elements;*
  - building-related systems (heating, cooling, domestic hot water, ventilation, lighting, system controls, transport, and other energy-related systems);*
  - indoor and outdoor conditions;*
  - local energy production (on-site and at district level);*
  - (use of) energy sources (including renewable);*
  - building commissioning;*
  - assessment of overall energy efficiency; and*
  - means of expressing the energy performance and energy performance certification of buildings.*

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

# Information Concerning

## International Organization for Standardization (ISO)

### New Work Item Proposal

### Collaborative Business Relationship Management

### Comment Deadline: June 7, 2013

BSI (United Kingdom) has submitted to ISO a new work item proposal for a new ISO standard on Collaborative business relationship management – Requirements, with the following scope statement:

This International Standard will specify requirements for supporting collaborative relationships by providing an effective framework for organizations to identify, establish, maintain, improve and exit collaborative inter-firm relationships. This international standard will provide guidance on the processes required to develop and manage collaboration – inter-organizational relationships such as formal and informal partnerships, alliances, joint ventures, and collaborative supply chain arrangements – and to optimise the value of such relationships.

The standard will help to support the development and management of collaborative business relationships between independent/discrete organizations. It will be applicable to organizations of all sizes from large multinational corporations to micro–small businesses and can apply to several different types of relationship for example:

- a single application (internal divisional relationships, single project or programme, merger and acquisition);
- a specific relationship (a business partnership or joint venture);
- multiple-enterprise relationships (alliances, consortia, networks, and end-to-end supply chains).

The adoption of collaborative working may complement and enhance existing business relationship by promoting activities and behaviours that adds value to all the parties involved. It can provide a more effective way of working and help to build a more strategic environment that opens the way to create increased performance.

The deployment of collaborative approaches does not deflect from any requirements to maintain open and free competition. The development of a new ISO standard for optimising collaborative relationships is also intended to complement and enhance existing contracting processes. Collaborative approaches are expected to be able to operate in unison with either legislative and regulatory requirements or policies, whether corporate or governmental, aimed at ensuring open and free competition. BS 11000-1 2010 Collaborative Business Relationships - a framework specification (attached to this email) will be used as the base document for this International Standard, though the International Standard will be developed using the Annex SL structure.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, June 7, 2013.



4/4/13

## Proposed Addenda A for ANSI/APSP/ICC-4 2012

### **Add new section 7.2.**

**7.2.16** Manufacturers of Onground Storable Pools shall provide written instructions stating the following:

- (1) The pool shall be located a minimum distance of 6 ft. (1.83 meters) from any electrical receptacle.
- (2) All 125 volt, 15 and 20 ampere receptacles located within 20 feet (6.0 m) of the pool shall be protected by a ground fault circuit interrupter (GFCI). The 20 feet (6 m) distance is measured via the shortest straight line distance the supply cord would follow without piercing a floor, wall, ceiling, doorway, window, or other permanent barrier.

### **Section Number: 7.3**

Add new section 7.3.9 Installers shall locate the pool in accordance with the Manufacturer's instructions. See also Section 15 in regard to electrical requirements.

### **Section Number: 15**

Add new section 15.4 **Receptacles.** Pool shall be located at a minimum distance of 6 ft (1.83 meters) from any receptacle, and all 125-volt 15- and 20-ampere receptacles located within 20 ft (6.0 meters) of the pool shall be protected by a ground fault circuit interrupter (GFCI), where distances are by measuring the shortest path the supply cord of an appliance connected to the receptacle would follow, without piercing a floor, wall, ceiling, doorway with hinged or sliding door, window opening, or other effective permanent barrier, to the inside wall of the pool.

# Public Review Draft

Proposed Addendum ai to Standard 189.1-2011

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

First Public Review (May 2013)  
(Draft Shows Proposed Changes to Current Standard)

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

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



BSR/ASHRAE/USGBC/IES Addendum ai 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.

**(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

*In response to Addendum q, and to eliminate redundancy, it is no longer necessary to single out the control system for HVAC commissioning when control system commissioning is now addressed in the opening section title and applies to ALL systems. Additionally, “electrical systems” are now included as systems to be commissioned under the Commissioning scope.*

**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 ai to 189.1-2011

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*Modify Section 10.3.1.2.4 as follows:*

**10.3.1.2.4 Systems.** The following systems and associated controls, if included in the *building project*, shall be commissioned:

- a. Heating, ventilating, air-conditioning, IAQ, and refrigeration systems (mechanical and/or passive). ~~Control sequences to be verified for compliance with construction documentation as part of verification.~~
- b. *Building envelope* systems, components, and assemblies to verify the thermal and moisture integrity.
- c. *Building envelope* pressurization to confirm air-tightness if included in *BOD* requirements.
- d. Electrical systems
- e. Lighting systems.
- f. Fenestration control systems: Automatic controls for shading devices and *dynamic glazing*.
- g. Irrigation.
- h. Plumbing.
- i. Domestic and process water pumping and mixing systems.
- j. *Service water heating* systems.
- k. Renewable energy systems.
- l. Water measurement devices, as required in Section 6.3.3.

## **BSR/UL 60065, Standard for Safety for Audio, Video, and Similar Electronic Apparatus - Safety Requirements**

1. Revision of current requirements for button cell batteries to clarify that the construction requirement applies to the entire battery compartment door/cover

*Note that all of Annex I is a DU National Difference, and is therefore shown underlined.*

### **(CURRENT)**

#### **I.21.1 Construction**

Apparatus shall be designed to prevent children from removing the battery by one of the following methods:

- a) A tool, such as a screwdriver or coin, is required to open the battery compartment; or
- b) The battery compartment door/cover requires the application of a minimum of two independent and simultaneous movements of the securing mechanism to open **BY HAND**.

If screws or similar fasteners are used to secure the door/cover providing access to the battery compartment, the fasteners shall be captive to ensure that they remain with the door/cover. This does not apply to side panel doors on larger devices which are necessary for the functioning of the equipment and which are not likely to be discarded or left off the equipment.

### **(PROPOSED)**

#### **I.21.1 Construction**

Apparatus shall be designed to prevent children from removing the battery by one of the following methods:

- a) A tool, such as a screwdriver or coin, is required to open the battery compartment; or
- b) The battery compartment door/cover requires the application of a minimum of two independent and simultaneous movements to open **BY HAND**.

If screws or similar fasteners are used to secure the door/cover providing access to the battery compartment, the fasteners shall be captive to ensure that they remain with the door/cover. This does not apply to side panel doors on larger devices which are necessary for the functioning of the equipment and which are not likely to be discarded or left off the equipment.

## BSR/UL 1277, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members

### 1. Revision of the Dielectric Voltage-Withstand Test to Allow Testing with DC Voltage

~~14.1 Each insulated conductor (each circuit and any insulated grounding conductor) in finished cable shall withstand without breakdown, the application of the appropriate test voltage as follows: the 48–62 Hz essentially sinusoidal rms potential indicated for the size of the insulated conductor in Table 14.1. The test potential shall be applied for 60 s in the manner described in 14.2–14.5.~~

- ~~a) The AC test voltage specified in Table 14.1 for one minute; or~~
- ~~b) A DC test voltage of 3 times the AC test voltage specified in Table 14.1 for one minute.~~

~~Compliance shall be in accordance with the test, Dielectric Voltage-Withstand (method 2) in the Standard for Wire and Cable Test Methods, UL 2556. One hundred percent of production shall be tested by the cable manufacturer at the cable factory.~~

~~14.2 The apparatus is to consist of a circuit breaker, ammeter, lamp bank, or other means for indicating a heavy current flow in the test circuit, and a testing transformer that complies with the following. The test potential is to be supplied by a 48–62 Hz isolation transformer whose output potential is continuously variable from near zero to at least the specified rms test potential. With a specimen in the circuit, the output potential is to have a crest factor (peak voltage divided by rms voltage) equal to 95–105 percent of the crest factor of a pure sine wave over the upper half of the output range. The output voltage is to be monitored continuously by a voltmeter that:~~

- ~~a) — If of the analog rather than digital type, shall have a response time that does not introduce a lagging error greater than 1 percent of full scale at the specified rate of increase in voltage, and that~~
- ~~b) — Has an overall accuracy that does not introduce an error exceeding 5 percent.~~

~~The maximum current output of which the transformer is capable shall enable routine testing of full reels of the cable without tripping of the circuit breaker by the charging current.~~

~~14.3 The test potential is to be applied between each insulated conductor (each circuit conductor and insulated grounding conductor) in turn and all of the following connected together: the other insulated conductors and any shield(s), any non-current-carrying metal part(s) (see 11.1.1), and any bare grounding conductors.~~

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