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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: August 11, 2013

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31E-2001x, Standard for the Seismic Design and Retrofit of Above Ground Piping Systems (revision of ANSI/ASME B31E-2008)

This Standard establishes a method for the seismic design and retrofit of aboveground piping systems in the scope of the ASME B31 Code for Pressure Piping. This Standard applies to aboveground, metallic piping systems in the scope of the ASME B31 Code for Pressure Piping (B31.1, B31.3, B31.4, B31.5, B31.8, B31.9, and B31.12). The requirements described in this Standard are valid when the piping system complies with the materials, design, fabrication, examination, testing, and inspection requirements of the applicable ASME B31 Code section.

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

Send comments (with copy to psa@ansi.org) to: Richard Lucas, (212) 591-7541, lucasr@asme.org

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 410-201x, Standard for Installing and Maintaining Liquid-Filled Transformers (revision of ANSI/NECA 410-2005)

This standard describes installation procedures for pad-mounted, sealed, self-cooled or fan-cooled, compartmental, single- and three-phase liquid-filled distribution and power transformers with primary windings rated from 2400 volts to 35 kV AC, nominal, and rated from 75 kVA through 5000 kVA, and associated accessories, designed for outdoor installation at grade level with underground entrance of primary and secondary conductors, and used for supplying power, heating and lighting loads for commercial, institutional, and industrial use in non-hazardous locations. It also covers periodic routine maintenance procedures for transformers.

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

Send comments (with copy to psa@ansi.org) to: Diana Brioso, (301) 215-4549, diana.brioso@necanet.org; neis@necanet.org

NSF (NSF International)

Revision

BSR/NSF 14-201x (i51r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2012)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components, including but not limited to pipes, fittings, valves, joining materials, gaskets, and appurtenances. The established physical, performance, and health effects requirements also apply to materials (resin or blended compounds) and ingredients used to manufacture plastic piping system components. This Standard provides definitions and requirements for materials, ingredients, products, quality assurance, marking, and recordkeeping.

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

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

NSF (NSF International)

Revision

BSR/NSF 14-201x (i53r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2013)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components, including but not limited to pipes, fittings, valves, joining materials, gaskets, and appurtenances. The established physical, performance, and health effects requirements also apply to materials (resin or blended compounds) and ingredients used to manufacture plastic piping system components. This Standard provides definitions and requirements for materials, ingredients, products, quality assurance, marking, and recordkeeping.

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

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

NSF (NSF International)

Revision

BSR/NSF 53-201x (i90r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2012)

Issue 90: The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private). These substances are considered established or potential health hazards. They may be microbiological, chemical, or particulate (including filterable cysts) in nature.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 58-201x (i63), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2012a)

The point-of-use reverse osmosis drinking water treatment systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water supplies (public or private) considered to be microbiologically safe and of known quality (except that claims for the reduction of filterable cysts may be permitted). Systems covered by this Standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified in this standard.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 153-201X, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2013)

The following changes in requirements to UL 153, are being proposed: (1) Clarify scope exclusions and references to other lighting standards; and (2) Revise lamp replacement marking for screw-base fluorescent and LED luminaires.

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

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

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

BSR/UL 676-201x, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2012a)

Proposals for non-metallic and isolated, low-voltage luminaires.

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

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

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

BSR/UL 796-201x, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2012c)

Resolves comments received by UL to the following proposal topics for UL 796, which were originally published on October 12, 2012: (1) Clarification of printed wiring board testing requirements in Section 7; (2) Clarification of requirements for permanent coating and plugged-hole material investigation in paragraph 13.1.1; (3) Clarification of requirements for CTI evaluations in paragraph 17.6.3; (4) Clarify requirements for data collection in section 22; and (5) Clarification of requirements for plating adhesion in paragraph 29.3.

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

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

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

BSR/UL 1439-201x, Standard for Safety for Tests for Sharpness of Edges on Equipment (revision of ANSI/UL 1439-2011)

Alternate sensing tapes and revised tape properties.

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

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

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

BSR/UL 2238-201x, Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2013)

(1) Addition of an exception to the jacket retention test.

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

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseeele, (847) 664-2881, Megan.M.VanHeirseeele@ul.com

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

BSR/UL 8752-201X, Standard for Safety for Organic Light Emitting Diode (OLED) Panels (revision of ANSI/UL 8752-2012a)

The following changes in requirements to the Standard for Organic Light Emitting Diode (OLED) Panels, UL 8752/ULC-S8752, are being proposed for the United States and Canada: (1) Limit the scope of the standard to lighting applications; (2) Clarify polymeric materials - Relative Thermal Index requirements for larger OLED panels; (3) Allow for more than one power input connector in OLED panels; (4) Provide alternate method for secureness of soldered printed wiring board connections; and (5) Eliminate dual language for electrical input rating.

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

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

Comment Deadline: August 26, 2013**AAMI (Association for the Advancement of Medical Instrumentation)****Reaffirmation**

BSR/AAMI HE75-2009 (R201x), Human factors engineering - Design of medical devices (reaffirmation of ANSI/AAMI HE75-2009)

Addresses a broad range of human factors engineering (HFE) topics in a structured format. Examples are provided, as are references to more detailed information. The material emphasizes adoption of a user-centered focus throughout the product design and development process, with the goal of making medical devices easier to use and less prone to use error.

Single copy price: \$140.00 (AAMI members)/\$280.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications, 1-877-249-8226 (phone)

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

ACMA (American Composites Manufacturers Association)**New Standard**

BSR/ACMA/FGMC-Manual-2014, Fiberglass Composite Grating Manual for Pultruded and Molded Grating and Stair Treads (new standard)

The Fiberglass Grating Manufacturers Council (FGMC) has developed this manual of standard practices to provide useful information related to the procedures and practices for the fabrication and installation of pultruded and molded grating and stair treads.

Single copy price: \$75.00

Obtain an electronic copy from: Lcox1225@gmail.com

Order from: Larry Cox, (740) 928-3286, Lcox1225@gmail.com

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

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

BSR/ASABE AD4254-13-201x, Agricultural machinery - Safety - Part 13: Large rotary mowers (national adoption with modifications of ISO 4254-13:2012)

Specifies the safety requirements, verification for the design & construction of towed, semi-mounted, or mounted large rotary mowers with single or multiple cutting elements that have a cutting diameter of 1000 mm or greater for a single cutting element assembly, mounted on a propelling tractor/machine, intended for agriculture & designed for shredding crop residue, grass & small brush by impact. Describes methods for the elimination or reduction of hazards arising from the intended use & reasonable foreseeable misuse of these machines in the course of normal operation & service. Specifies type of information on safe working practices to be provided by the mfg.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

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

This standard gives general specifications, including dimensional requirements, location, vertical static load limits, safety chain attachments, and PTO clearance zone requirements for Category 0, 1, 2, 3, 4, and 5 drawbars mounted on the rear of agricultural tractors.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

BSR/ASABE S624 MONYEAR-201x, Grain Bin Entry (new standard)

This standard provides recommendations for new design parameters in grain storage facilities. It applies to corrugated and smooth wall steel bins with flat bottoms used to store various types of free flowing grain.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASB (ASC Z50) (American Society of Baking)

Revision

BSR/ASB Z50.2-201x, Bakery Equipment - Sanitation Standards (revision and redesignation of ANSI Z50.2-2012)

Updates older sections of this standard to the latest concensus.

Single copy price: \$25.00

Obtain an electronic copy from: www.asbe.org

Order from: www.asbe.org

Send comments (with copy to psa@ansi.org) to: Charles Steward, (570) 494-0624, toby.steward@tnasolutions.com

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

Revision

BSR/ASHRAE Standard 40-201x, Methods of Testing for Rating Heat Operated Unitary Air-Conditioning and Heat-Pump Equipment (revision of ANSI/ASHRAE Standard 40-2002 (R2006))

This revision of Standard 40-2002 adds new definitions, corrects unit conversions for temperature in the definitions of "standard air" and "standard temperature," revises several sections to use enforceable language, and clarifies Sections 2.3, 4, 5.2.2.1, and 10, 10.4.1, 10.4.2, and 10.4.3. Overall, the standard provides test methods for determining the heating and cooling output capacities and energy inputs of unitary air-conditioning and heat pump equipment that is heat-operated.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK23226-201x, Specification for Multilayer Polyethylene-Polyamide (PE-PA) Pipe for Pressure Piping Applications (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK31289-201x, Specification for Black Crosslinked Polyethylene (PEX) Line Pipe, Fittings and Joints for Oil and Gas Producing Applications (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK31876-201x, Practice for Specimens and Testing Conditions for Testing Polyethylene (PE) Pipe Butt Fusions Using Tensile and Hydrostatic Test Methods (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK33352-201x, Specification for Black Crosslinked Polyethylene (PEX) Pipe, Fittings and Joints for Gas Distribution Applications (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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ASTM (ASTM International)

New Standard

BSR/ASTM WK36573-201x, Practice for the Installation of a Single-Sized Cured-In-Place Liner for Manholes of Various Shapes and Sizes (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

BSR/ASTM WK37659-201x, Practice for Conducting Equivalence Testing in Laboratory Applications (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

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

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

BSR/ASTM WK38747-201x, Specification for Billets made by Winding Molten Extruded Stress-Rated High Density Polyethylene (HDPE) (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

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

BSR/ASTM WK39157-201x, Practice for the Installation of Single-Sized Cured-In-Place Liner for Manholes of Various Shapes and Sizes (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

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

BSR/ASTM E1325-2002 (R201x), Terminology Relating to Design of Experiments (reaffirmation of ANSI/ASTM E1325-2002 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

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

BSR/ASTM F725-1989 (R201x), Practice for Drafting Impact Test Requirements in Thermoplastic Pipe and Fittings Standards (reaffirmation of ANSI/ASTM F725-1989 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

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

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

BSR/ASTM F1041-1995 (R201x), Guide for Squeeze-Off of Polyolefin Gas Pressure Pipe and Tubing (reaffirmation of ANSI/ASTM F1041-1995 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

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

BSR/ASTM F1365-1991 (R201x), Test Method for Water Infiltration Resistance of Plastic Underground Conduit Joints which Use Flexible Elastomeric Seals (reaffirmation of ANSI/ASTM F1365-1991 (R2009))

http://www.astm.org/ANSI_SA

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

BSR/ASTM F2207-2006 (R201x), Specification for Cured-in-Place Pipe Lining System for Rehabilitation of Metallic Gas Pipe (reaffirmation of ANSI/ASTM F2207-2006)

http://www.astm.org/ANSI_SA

Single copy price: Free

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

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

BSR/ASTM F2231-2008 (R201x), Test Method for Charpy Impact Test on Thin Specimens of Polyethylene Used in Pressurized Pipes (reaffirmation of ANSI/ASTM F2231-2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

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

BSR/ASTM F2433-2009 (R201x), Test Method for Determining Thermoplastic Pipe Wall Stiffness (reaffirmation of ANSI/ASTM F2433-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM D2466-201x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM D2466-2006)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

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ASTM (ASTM International)**Revision**

BSR/ASTM D2467-201x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM D2467-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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ASTM (ASTM International)**Revision**

BSR/ASTM D2837-201x, Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products (revision of ANSI/ASTM D2837-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM E29-201x, Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM E29 -2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM E456-201x, Terminology Relating to Quality and Statistics (revision of ANSI/ASTM E456-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM E1402-201x, Guide for Sampling Design (revision of ANSI/ASTM E1402-2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM E2282-201x, Guide for Defining the Test Result of a Test Method (revision of ANSI/ASTM E2282-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)**Revision**

BSR/ASTM F405-201x, Specification for Corrugated Polyethylene (PE) Pipe and Fittings (revision of ANSI/ASTM F405-2005)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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ASTM (ASTM International)**Revision**

BSR/ASTM F439-201x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM F439 -2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F585-201x, Practice for Insertion of Flexible Polyethylene Pipe into Existing Sewers (revision of ANSI/ASTM F585-1994 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F679-201x, Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings (revision of ANSI/ASTM F679-2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F876-201x, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

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ASTM (ASTM International)**Revision**

BSR/ASTM F894-201x, Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe (revision of ANSI/ASTM F894-2006)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1473-201x, Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins (revision of ANSI/ASTM F1473-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1675-201x, Practice for Life-Cycle Cost Analysis of Plastic Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits (revision of ANSI/ASTM F1675-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1807-201x, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1866-201x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings (revision of ANSI/ASTM F1866-2007)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2418-201x, Specification for Polypropylene (PP) Corrugated Wall Stormwater Collection Chambers (revision of ANSI/ASTM F2418-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2619-201x, Specification for High-Density Polyethylene (PE) Line Pipe (revision of ANSI/ASTM F2619-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2686-201x, Specification for Glass Fiber Reinforced Thermoplastic Pipe (revision of ANSI/ASTM F2686-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2788-201x, Specification for Metric-Sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2817-201x, Specification for Poly(Vinyl Chloride) (PVC) Gas Pressure Pipe and Fittings for Maintenance or Repair (revision of ANSI/ASTM F2817-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: kwilson@astm.org

Order from: accreditation@astm.org

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

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

BSR/AWWA B201-201x, Soda Ash (revision of ANSI/AWWA B201-2008)

This standard describes soda ash for use in the treatment of municipal and industrial water supplies.

Single copy price: \$20.00

Obtain an electronic copy from: vdauid@awwa.org

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

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

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

BSR/AWWA B501-201x, Sodium Hydroxide (Caustic Soda) (revision of ANSI/AWWA B501-2008)

This standard describes sodium hydroxide, anhydrous and liquid, for use in the treatment of municipal and industrial water supplies.

Single copy price: \$20.00

Obtain an electronic copy from: vdauid@awwa.org

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

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

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

BSR/EIA 60384-1-201x, Fixed capacitors for use in electronic equipment; Part 1: Generic specification (identical national adoption of IEC 60384-1)

Generic specification for fixed capacitors used in electronic equipment.

Single copy price: \$329.00

Obtain an electronic copy from: global.ihs.com 1-877-413-5184

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

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@eciaonline.org; ldonohoe@eciaonline.org

ECA (Electronic Components Association)**New Standard**

BSR/EIA 364-49-201x, Ultraviolet Radiation Test Procedure for Electrical Connectors and Sockets (new standard)

This standard establishes a test method to determine heating effects of direct solar radiation on connector and contact materials and to help identify the actinic (photodegradation) effects of direct solar radiation on these same materials.

Single copy price: \$70.00

Obtain an electronic copy from: www.global.ihs.com 1-877-413-5184

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

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@eciaonline.org; ldonohoe@eciaonline.org

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

BSR/ESD SP 5.3.2-2004 (R201x), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Socketed Device Model (SDM) - Component Level (reaffirmation of ANSI/ESD SP 5.3.2-2004 (R2008))

This standard practice defines a method on how to perform component level Socketed Device Model ESD tests and how to verify the operational state of the ESD simulator test equipment. This document is a Standard Practice and therefore does not provide any device classification guidelines.

Single copy price: \$75.00 (ESD members); \$105.00 (List) [Hardcopy]/ \$100.00 (ESD members); \$130.00 (List) [Softcopy]

Obtain an electronic copy from: cearl@esda.org

Order from: Christina Earl, (315) 339-6937, cearl@esda.org

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

ICC (International Code Council)**Revision**

BSR/ICC 500-201x, ICC/NSSA Standard for the Design and Construction of Storm Shelters (revision of ANSI/ICC 500-2008)

The objective of this Standard is to provide technical design and performance criteria that will facilitate and promote the design; construction; and installation of safe, reliable, and economical storm shelters to protect the public. It is intended that this Standard be used by design professionals; storm shelter designers, manufacturers, and constructors; building officials; emergency management personnel; and government officials to ensure that storm shelters provide a consistently high level of protection to the sheltered public.

Single copy price: Free

Obtain an electronic copy from: <http://www.iccsafe.org/cs/standards/IS-STM/Pages/default.aspx>

Order from: Edward Wirtschoreck, (708) 799-2300, ewirtschoreck@iccsafe.org

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

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

BSR/IEEE C62.92.3-201x, Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III - Generator Auxiliary Systems (revision of ANSI/IEEE C62.92.3-1993 (R2005))

The scope of this project is to summarize the general considerations in grounding of generating station auxiliary power systems, the factors to be considered in selecting between the appropriate grounding classes and specifying equipment ratings. This guide applies to both medium-voltage (1kV - 15kV) and low-voltage (less than 1kV) auxiliary power systems.

Single copy price: \$65.00 (PDF)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR INCITS 528-201x, Information technology - Common Building Blocks Specification (new standard)

The Common Building Blocks Specification describes an open, secure, portable, efficient, and extensible infrastructure for management of desktop, mobile, server, virtualized and storage systems.

Single copy price: \$30.00

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

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

Send comments (with copy to psa@ansi.org) to: Rachel Porter, (202) 626-5741, comments@itic.org

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

BSR INCITS 530-201x, Information technology - Architecture for Managed Computing Systems (new standard)

The Architecture for Managed Computing Systems defines and documents the architecture and language infrastructure that is the foundation for DMTF management profiles, registries, protocols, and schemas. The key properties of Architecture for Managed Computing Systems are as follows:

- Specification of the CIM Infrastructure, (meta-model and qualifiers, and the MOF language) ;
- Specification of Generic Operations;
- Specification of the CIM Query Language (CQL); and
- Specification of Standard Message infrastructure.

Single copy price: \$30.00

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

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

Send comments (with copy to psa@ansi.org) to: Rachel Porter, (202) 626-5741, comments@itic.org

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

BSR INCITS 531-201x, Information technology - Systems Management Discovery for Managed Computer Systems (new standard)

The Systems Management Discovery for Managed Computer Systems describes an open, secure, portable, efficient and extensible infrastructure for management of computer systems. The key properties of Systems Management Discovery for Managed Computer Systems are as follows:

- provide a mechanism that allows WBEM Clients to discover WBEM Servers;
- use existing standards and protocols for rapid development and deployment; and
- provide a mechanism that scales from small environments to enterprise environments.

Single copy price: \$30.00

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

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

Send comments (with copy to psa@ansi.org) to: Rachel Porter, (202) 626-5741, comments@itic.org

NAAMM (National Association of Architectural Metal Manufacturers)**New Standard**

BSR/NAAMM HMMA 860-201x, Guide Specifications for Hollow Metal Doors and Frames (new standard)

This standard was developed by the HMMA Division of NAAMM to provide their opinion and guidance on the construction of hollow metal door and frame assemblies. It is being rebaloted in consideration of comments made during the first public review and consensus ballot.

Single copy price: \$25.00

Obtain an electronic copy from: <http://www.naamm.org/ansi/pending.aspx>

Order from: Vernon W. Lewis, Jr., NAAMM Technical Consultant, 114 Whiting Street, Norfolk, VA 23505

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

NAAMM (National Association of Architectural Metal Manufacturers)**Revision**

BSR/NAAMM HMMA 841-201x, Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 841-2007)

This standard was developed by the HMMA Division of NAAMM to provide guidance on tolerances and clearances for commercial hollow metal doors and frames. It has been reviewed and updated for consistency with other NAAMM/HMMA standards.

Single copy price: \$25.00

Obtain an electronic copy from: <https://www.naamm.org/ansi/pending.aspx>

Order from: Vernon W. Lewis, Jr. Technical Consultant, 114 Whiting Street, Norfolk, VA 23505

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

NECA (National Electrical Contractors Association)**New Standard**

BSR/NECA 600-201x, Recommended Practice for Installing and Maintaining Medium-Voltage Cable (new standard)

This recommended practice describes installations procedures for shielded solid dielectric medium-voltage cables rated from 600 Volts to 69,000 Volts AC and installed in conduits, ducts, or direct-buried. This publication applies to single- and multi-conductor cables used for distributing power for commercial, institutional, and industrial loads in nonhazardous location both indoors and outdoors.

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Diana Brioso, (301) 215-4549, diana.brioso@necanet.org; neis@necanet.org

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

NECA (National Electrical Contractors Association)**Revision**

BSR/NECA 420-201x, Standard for Fuse Applications (revision of ANSI/NECA 420-2007)

This standard describes application and installation practices and procedures for low-voltage, medium-voltage, and high-voltage fuses. This publication applies to all classifications of fuses used for overcurrent protection of distribution, utilization, and control equipment used for power, heating, and lightening loads for commercial, and industrial use in nonhazardous indoor and outdoor locations.

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Diana Brioso, (301) 215-4549, diana.brioso@necanet.org; neis@necanet.org

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

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)**Revision**

BSR/NIST-ITL 1-201x, Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (revision, redesignation and consolidation of ANSI/NIST-ITL 1-2011, ANSI/NIST-ITL 1 Sup-Dental-201x, ANSI/NIST-ITL 1 Sup-Voice-201x)

Incorporate technical portions of the approved Supplements to ANSI/NIST-ITL into the standard itself; correct errata; add new explanatory text where deemed necessary; add new data transmission capabilities in existing record types to meet user needs.

Single copy price: Free

Obtain an electronic copy from: http://www.nist.gov/itl/iad/ig/ansi_standard.cfm

Order from: Brad Wing, (301) 975-5663, Brad.Wing@NIST.Gov

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

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)**Supplement**

BSR/NIST-ITL 1 Sup-Voice-201x, Supplement to ANSI/NIST-ITL 1-2011 for Voice Data (supplement to ANSI/NIST-ITL 1-2011)

Add a capacity to transmit voice data and associated metadata for biometric forensic analysis in an ANSI/NIST-ITL transaction.

Single copy price: Free

Obtain an electronic copy from: http://www.nist.gov/itl/iad/ig/ansi_standard.cfm

Order from: Brad Wing, (301) 975-5663, Brad.Wing@NIST.Gov

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

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

BSR/TAPPI T 236 om-xx, Kappa number of pulp (new standard)

Kappa number is a key test method for determining the level of lignin remaining in a sample of finished or in-process pulp. It is thus a measure of the completeness of the pulping process for many kinds of chemical and semi-chemical pulps, both bleached and semi-bleached.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

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

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 470.122-x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Wideband Analog Telephones with Speakerphones (new standard)

This document addresses the wideband (150 to 7000 Hz) voice transmission requirements specific to analog telephones equipped with speakerphones.

Single copy price: \$116.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA); standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 4966-201x, Telecommunications Infrastructure Standard for Educational Facilities (new standard)

This Standard specifies telecommunications infrastructure requirements for educational buildings and spaces. It specifies cabling, cabling topologies, and cabling distances - all of which are intended to support a wide range of services and systems. Additionally, pathways and spaces (e.g., sizing and location), and ancillary requirements are addressed. Modern digital telecommunications in educational buildings requires a robustly designed building infrastructure to support the numerous systems that rely on the electronic transport of information.

Single copy price: \$133.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA); standards@tiaonline.org

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

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

BSR/UL 2271-201x, Batteries for Use in Light Electric Vehicle (LEV) Applications (new standard)

(1) The proposed first edition of the Joint UL/ULC Standard for Batteries for Use In Light Electric Vehicle (LEV) Applications, UL 2271/ULC-S2271.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseese, (847) 664-2881, Megan.M.VanHeirseese@ul.com

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

BSR/UL 1651-2008 (R201x), Standard for Safety for Optical Fiber Cable (reaffirmation of ANSI/UL 1651-2008)

These requirements cover single and multiple optical-fiber cables for control, signaling, and communications as described in Article 770 and other applicable parts of the National Electrical Code (NEC).

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2013a)

Resolves comments received by UL to proposals for new and revised requirements for UL 746E, dated October 19, 2012.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 1449-201x, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2012a)

Recirculation of the following topics: (1) Revision of 37.2.4.7 to clarify the method of measuring noise; (3) Clarification of the procedure for the Abnormal Overvoltage Test; (4) Abnormal Overvoltage Test; (5) PV SPD requirements; and (10) Requirements for Molded Case SPDs.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: September 10, 2013**ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME B29.400-2001 (R201x), Combination, "H" Type Mill Chains and Sprockets (reaffirmation of ANSI/ASME B29.11M-2001)

This Standard is a consolidation of two ASME standards, ASME B29.11M-1994 (Combination Chains, Attachments, and Sprocket Teeth) and ASME B29.14M-1996 ("H" Type Mill Chains, Attachments, and Sprocket Teeth). These two Standards were combined into one because of the similarity of construction and the unusual applications for the two types of chains.

Single copy price: \$65.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Calvin Gomez, (212) 591-7021, gomezcc@asme.org

ASSE (ASC Z9) (American Society of Safety Engineers)**New Standard**

BSR ASSE Z9.14-201X, Testing and Performance-Verification Methodologies for Ventilation Systems for Biosafety Level 3 (BSL-3) and Animal Biosafety Level 3 (ABSL-3) Facilities (new standard)

High-containment laboratory certification is the systematic review and evaluation of all safety features and processes associated with the laboratory (engineering controls, personal protective equipment, building and system integrity, standard operating procedures (SOPs)) and administrative controls. The methodology for certifying a BSL-3 will assist professionals in ensuring that all reasonable facility controls and prudent practices are in place to minimize, to the greatest extent possible, the risks associated with laboratory operations, and the use of biohazardous materials.

Single copy price: \$70.00

Obtain an electronic copy from: TFisher@ASSE.Org

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

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

CGA (Compressed Gas Association)**New Standard**

BSR CGA G-2.1-200x, Standard Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1) (new standard)

This standard is intended to apply to the design, construction, repair, alteration, location, installation, and operation of anhydrous ammonia systems including refrigerated ammonia storage systems. This standard does not apply to ammonia manufacturing plants, ammonia transportation pipelines; ammonia barges and tankers; or refrigeration systems where ammonia is used solely as a refrigerant. Such systems are covered in ANSI/ASHRAE 15, American National Standard Safety Code for Mechanical Refrigeration, and ANSI/IIAR 2, American National Standard for Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems.

Single copy price: Free (e-pub); \$114.00 (hard copy) [CGA members]/\$176.00 (e-pub); \$207.00 (hard copy) (nonmembers)

Obtain an electronic copy from: www.cganet.com

Order from: www.cganet.com

Send comments (with copy to psa@ansi.org) to: Kristy Morrison-Mastromichalis, (703) 788-2728, kmastromichalis@cganet.com

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 18-201x, Standard for Shunt Power Capacitors (new standard)

This standard applies to power capacitors rated 216 V or higher, 2.5 kvar or more, and designed for shunt connection to alternating current transmission and distribution systems operating at a nominal frequency of 50 Hz or 60 Hz.

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 487.4-201x, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Neutralizing Transformers (new standard)

This standard presents engineering design procedures for the electrical protection of communication facilities serving electric supply locations through the use of neutralizing transformers.

Single copy price: \$85.00 (pdf)/\$105.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 802.1AEbw-201x, Standard for Local and Metropolitan Area Networks -Media Access Control (MAC) Security - Amendment 2: Extended Packet Numbering (new standard)

This amendment specifies the optional use of Cipher Suites that make use of a 64-bit (PN) to allow more than 232 MACsec protected frames to be sent with a single Secure Association Key.

Single copy price: \$85.00 (pdf)/\$105.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 802.15.4j-201x, Standard for Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) - Amendment 4: Alternative Physical Layer Extension to Support Medical Body Area Network (MBAN) Services Operating in the 2360 MHz - 2400 MHz Band (new standard)

This amendment defines a physical layer for IEEE 802.15.4 in the 2360 to 2400 MHz band that complies with Federal Communications Commission (FCC) MBAN rules. This amendment defines modifications to the MAC needed to support this new physical layer.

Single copy price: \$55.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1143-2012, Guide on Shielding Practice for Low Voltage Cables (new standard)

This function of this guide on shielding practice for low-voltage cables is to inform and familiarize the reader with shielding practice. Overviews of shielding practice, systems, and test methods are provided.

Single copy price: \$110.00 (pdf)/\$135.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1609.2-201x, Standard for Wireless Access in Vehicular Environments - Security Services for Applications and Management Messages (new standard)

This standard defines secure message formats and processing for use by Wireless Access in Vehicular Environments (WAVE) devices, including methods to secure WAVE management messages and methods to secure application messages.

Single copy price: \$185.00 (pdf)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1671.2-201x, Standard for Automatic Test Markup Language (ATML) Instrument Description (new standard)

This standard specifies an exchange format, using eXtensible Markup Language (XML), for identifying instrumentation that may be integrated in an automatic test system (ATS) that is to be used to test and diagnose a unit under test (UUT).

Single copy price: \$105.00 (pdf)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE 3001.8-201x, Recommended Practice for the Instrumentation and Metering of Industrial and Commercial Power Systems (new standard)

This recommended practice covers the instrumentation and metering of industrial and commercial power systems. It describes the importance of metering to achieve a successful energy management process, as well as considerations that must be made when applying the latest metering technology

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE 3004.1-201x, Recommended Practice for the Application of Instrument Transformers in Industrial and (new standard)

This recommended practice covers the selection and application of instrument transformers used in industrial and commercial power systems.

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C37.242-201x, Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control (new standard)

The document provides guidance for synchronization, calibration, testing, and installation of Phasor Measurement Units (PMU) applied in power system protection and control.

Single copy price: \$150.00 (pdf)/\$180.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C62.37.1-201x, Guide for the Application of Thyristor Surge Protective Device Components (new standard)

This application guide applies to Thyristor Surge Protective Components (SPCs) used in systems with voltages up to 1000 Vrms or 1200 Vdc. These components are designed to limit overvoltages and divert surge currents by limiting the voltage and switching to a low-impedance state.

Single copy price: \$110.00 (pdf)/\$135.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***Reaffirmation***

BSR/IEEE 270-2006 (R201x), Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI) (reaffirmation of ANSI/IEEE 270-2006)

This standard includes definitions for physical quantities and units commonly used in applied science and technology, and related terms that concern systems of measurement. Particular emphasis is placed on the International System of Units (SI).

Single copy price: \$69.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***Reaffirmation***

BSR/IEEE 286-2000 (R201x), Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation (reaffirmation of ANSI/IEEE 286-2000 (R2006))

This recommended practice applies to stator coils or bars (half coils) of electric machinery operating at any voltage level. It usually applies to machines with a voltage rating of 6 kV and higher. Individual stator coils outside a core (uninstalled), individual stator coils installed in a core, and completely wound stators are covered in this recommended practice.

Single copy price: \$101.00 (pdf)/\$114.00 (printed)

Obtain an electronic copy from: k.evangelista@ieee.org

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***Reaffirmation***

BSR/IEEE 434-2006 (R201x), Guide for Functional Evaluation of Insulation Systems for AC Electric Machines Rated 2300 V and Above (reaffirmation of ANSI/IEEE 434-2006)

This guide describes a procedure that may be used to evaluate and compare insulation systems used, or proposed for use, in large ac electric machines. The tests outlined herein are applicable to the groundwall insulation systems applied to form-wound, preinsulated armature (stator) winding coils and/or bars of generators, motors, and synchronous condensers rated 2300 V or higher.

Single copy price: \$111.00 (pdf)/\$131.00 (printed)

Obtain an electronic copy from: k.evangelista@ieee.org

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)***Reaffirmation***

BSR/IEEE 835-1994 (R201x), Standard Power Cable Ampacity Tables (reaffirmation of ANSI/IEEE 835-1994 (R2006))

Over 3000 ampacity tables for extruded dielectric power cables rated through 138 kV and laminar dielectric power cables rated through 500 kV are provided.

Single copy price: \$443.00 (pdf)/\$494.00 (printed)

Obtain an electronic copy from: k.evangelista@ieee.org

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**Reaffirmation**

BSR/IEEE 1202-2006 (R201x), Standard for Flame-Propagation Testing of Wire & Cable (reaffirmation of ANSI/IEEE 1202-2006)

This standard provides a protocol for exposing cable samples to a theoretical 20 kW (70 000 Btu/h) flaming ignition source for a 20-minute test duration. The test determines the flame propagation tendency of single-conductor and multi-conductor cables intended for use in cable trays.

Single copy price: \$85.00 (pdf)/\$106.00 (printed)

Obtain an electronic copy from: k.evangelista@ieee.org

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**Reaffirmation**

BSR/IEEE C37.102-2006 (R201x), Guide for AC Generator Protection (reaffirmation of ANSI/IEEE C37.102-2006)

This application guide for the relay protection of synchronous generators presents a review of the generally accepted forms of protection for the synchronous generator and its excitation system. It summarizes the use of relays and devices and serves as a guide for the selection of equipment to obtain adequate protection.

Single copy price: \$69.00 (pdf)/\$80.00 (printed)

Obtain an electronic copy from: k.evangelista@ieee.org

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 81-201x, Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System (revision of ANSI/IEEE 81-1983)

Practical test methods and techniques are presented for measuring the electrical characteristics of grounding systems. Topics addressed include safety considerations; measuring earth resistivity; measuring the power system frequency resistance or impedance of the ground system to remote earth; measuring the transient or surge impedance of the ground system to remote earth; measuring step and touch voltages; verifying the integrity of the grounding system; reviewing common methods for performing ground testing; reviewing instrumentation characteristics and limitations; and reviewing various factors that can distort test measurements.

Single copy price: \$113.00 (pdf)/\$139.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 308-201x, Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations (revision of ANSI/IEEE 308-2001 (R2007))

This standard applies to the Class 1E portions of the following systems and equipment in single-unit and multiunit nuclear power generating stations: Alternating current power systems, Direct current power systems, Instrumentation and control (I&C) power systems.

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 765-201x, Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations (NPGS) (revision of ANSI/IEEE 765-2006)

This standard describes the design criteria of the PPS and its interfaces with the Class 1E power system, switchyard, transmission system, and AAC source. Figure 1 is a typical interface diagram of the PPS with related power systems.

Single copy price: \$45.00

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 1067-201x, Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing for Use on Voltages up to 765 kV ac and ± 750 kV dc (revision of ANSI/IEEE 1067-2005)

This guide provides recommendations for the in-service visual inspection, use, care, maintenance, and electrical testing of conductive clothing, including suits, gloves, socks, and boots, for use during linework on voltages up to 765 kV ac and ± 750 kV dc.

Single copy price: \$45.00 (pdf)/\$55.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 1149.1-201x, Standard for Test Access Port and Boundary-Scan Architecture (revision of ANSI/IEEE 1149.1-2001 (R2008))

This Standard defines test logic that can be included in an integrated circuit to provide standardized approaches to: Testing the interconnections between integrated circuits once they have been assembled onto a printed circuit board or other substrate; Testing the integrated circuit itself; and Observing or modifying circuit activity during the component's normal operation.

Single copy price: \$250.00 (pdf)/\$300.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 1332-201x, Standard Reliability Program for the Development and Production of Electronic Products (revision of ANSI/IEEE 1332-2004)

This document provides a standard set of reliability program objectives for use between customers and producers, or within product development teams, to express reliability program requirements early in the development phase of electronic products and systems.

Single copy price: \$45.00 (pdf)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 1475-201x, Standard for the Functioning of Interfaces among Propulsion, Friction Brake, and Rain-Borne Master Control on Rail Rapid Transit Vehicles (revision of ANSI/IEEE 1475-1999 (R2005))

This standard specifies the interface functionality among propulsion, friction brake, and train-borne master control. The standard encompasses performance parameters, communication methods and the means for measurement and verification of performance. Third-party systems performing functions traditionally carried out in one of the above systems are also covered.

Single copy price: \$85.00 (pdf)/\$105.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE 1800-201x, Standard for SystemVerilog - Unified Hardware Design, Specification, and Verification Language (revision of ANSI/IEEE 1800-2009)

This standard provides the definition of the language syntax and semantics for System-Verilog, which is a unified hardware design, specification, and verification language. The standard includes support for modeling hardware at the behavioral, register transfer level (RTL), and gate level abstraction levels, and for writing test benches using coverage, assertions, object-oriented programming, and constrained random verification.

Single copy price: \$450.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE C37.96-201x, Guide for AC Motor Protection (revision of ANSI/IEEE C37.96-2000 (R2006))

This application guide presents generally accepted methods of protection for ac motors. It identifies and summarizes the functions necessary for adequate protection of motors based on type, size, and application. The recommendations in this guide are based on typical installations. Information relating to protection requirements, including microprocessor-based protection systems, applications, and setting philosophy is provided to enable the reader to determine required protective functions for motor installations.

Single copy price: \$150.00 (pdf)/\$180.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE C37.99-201x, Guide for the Protection of Shunt Capacitor Banks (revision of ANSI/IEEE C37.99-2000 (R2006))

This guide applies to the protection of shunt power capacitor banks and filter capacitor banks. Included are guidelines for reliable applications of protection methods intended for use in many shunt capacitor applications and design.

Single copy price: \$150.00 (pdf)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE C37.111-201x, Measuring relays and protection equipment - Part 24: Common format for transient data exchange (COMTRADE) for power systems (revision of ANSI/IEEE C37.111-1999 (R2004))

This standard defines a format for files containing transient waveform and event data collected from power systems or power system models. The standard is for files stored on currently used physical media such as portable external hard drives, USB drives, flash drives, CD, and DVD.

Single copy price: \$80.00 (pdf)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

BSR/IEEE C37.121-201x, Guide for Switchgear - Unit Substation - Requirements (revision of ANSI/IEEE C37.121-1989 (R2006))

This guide covers three-phase unit substations for step-down operation in the range of 112.5 kVA or greater at primary voltages of 601 V through 38 kV.

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C57.19.100-201x, Guide for Application of Power Apparatus Bushings (revision of ANSI/IEEE C57.19.100-1995 (R2003))

Guidance on the use of outdoor power apparatus bushings is provided in this document. The bushings are limited to those built in accordance with IEEE Std C57.19.00-1991 (not the latest revision). The latest revision of C57.19.00 does not address the use of condenser bushings in oil circuit breakers and several voltage classes were dropped that are still in use.

Single copy price: \$65.00 (pdf)/\$80.00 (printed)

Order from: IEEE, 1-800-678-4333; online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60730-2-11-201X, Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Energy Regulators (identical national adoption of IEC 60730-2-11)

In general, this part of IEC 60730 applies to energy regulators for use in, on, or in association with equipment for household and similar use, including energy regulators for heating, air conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof. This standard applies to the inherent safety, to the operating values, operating times, and operating sequence where such are associated with equipment safety, and to the testing of automatic electrical energy regulator devices used in, or in association with, household or similar equipment.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664-3038, alan.t.mcgrath@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:

UL (Underwriters Laboratories, Inc.)

BSR/UL 96-201x, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2010)

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.

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Tanisha Meyers-Lisle*

Phone: (678) 539-1111

Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 23.1-201X, Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate and Subcritical Temperatures of the Refrigerant (revision and redesignation of ANSI/ASHRAE Standard 23.1P-2010)

BSR/ASHRAE Standard 28-201x, Methods of Testing Flow Capacity of Refrigerant Capillary Tubes (revision of ANSI/ASHRAE Standard 28-1996 (R2010))

BSR/ASHRAE Standard 118.1-201x, Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment (revision of ANSI/ASHRAE Standard 118.1-2012)

ASSE (ASC Z9) (American Society of Safety Engineers)

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

Contact: *Timothy Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE Z9.14-201X, Testing and Performance-Verification Methodologies for Ventilation Systems for Biosafety Level 3 (BSL-3) and Animal Biosafety Level 3 (ABSL-3) Facilities (new standard)

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

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

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

Contact: *Rachel Porter*

Phone: (202) 626-5741

Fax: 202-638-4922

E-mail: comments@itic.org

BSR INCITS 528-201x, Information technology - Common Building Blocks Specification (new standard)

BSR INCITS 530-201x, Information technology - Architecture for Managed Computing Systems (new standard)

BSR INCITS 531-201x, Information technology - Systems Management Discovery for Managed Computer Systems (new standard)

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 800 Roosevelt Road, Building C
Suite 312
Glen Ellyn, IL 60137

Contact: *Vernon (Wes) Lewis*

Phone: (757) 489-0787

Fax: (757) 489-0788

E-mail: wlewis7@cox.net

BSR/NAAMM HMMA 841-201x, Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 841-2007)

BSR/NAAMM HMMA 860-201x, Guide Specifications for Hollow Metal Doors and Frames (new standard)

NECA (National Electrical Contractors Association)

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

Contact: *Diana Brioso*

Phone: (301) 215-4549

Fax: (301) 215-4500

E-mail: diana.brioso@necanet.org; neis@necanet.org

BSR/NECA 410-201x, Standard for Installing and Maintaining Liquid-Filled Transformers (revision of ANSI/NECA 410-2005)

BSR/NECA 420-201x, Standard for Fuse Applications (revision of ANSI/NECA 420-2007)

BSR/NECA 600-201x, Recommended Practice for Installing and Maintaining Medium-Voltage Cable (new standard)

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

Office: 100 Bureau Drive
Gaithersburg, MD 20899-8940

Contact: *Brad Wing*

Phone: (301) 975-5663

Fax: (301) 975-5287

E-mail: Brad.Wing@NIST.Gov

BSR/NIST-ITL 1-201x, Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (revision, redesignation and consolidation of ANSI/NIST-ITL 1-2011, ANSI/NIST-ITL 1 Sup-Dental-201x, ANSI/NIST-ITL 1 Sup-Voice-201x)

BSR/NIST-ITL 1 Sup-Dental-201x, Supplement to ANSI/NIST-ITL 1-2011 for Dental Forensic Data (supplement to ANSI/NIST-ITL 1-2011)

BSR/NIST-ITL 1 Sup-Voice-201x, Supplement to ANSI/NIST-ITL 1-2011 for Voice Data (supplement to ANSI/NIST-ITL 1-2011)

NSF (NSF International)

Office: 789 North Dixboro Road
Ann Arbor, MI 48105

Contact: *Jessica Slomka*

Phone: (734) 214-6219

E-mail: jslomka@nsf.org

BSR/NSF 426-201x, Environmental Leadership Standard for Servers (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 455-122-B-201x, FOTP-122 Adopt IEC 60793-1-48: Measurement Methods and Test Procedures - Polarization Mode Dispersion (identical national adoption of IEC 60793-1-48)

BSR/TIA 470.122-x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Wideband Analog Telephones with Speakerphones (new standard)

BSR/TIA 4966-201x, Telecommunications Infrastructure Standard for Educational Facilities (new standard)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: *Alan McGrath*

Phone: (847) 664-3038

Fax: (847) 664-3038

E-mail: alan.t.mcgrath@ul.com

BSR/UL 60730-2-11-201X, Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators (identical national adoption of IEC 60730-2-11)

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/ISO 11137-2, third edition-2013, Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose (revision of ANSI/AAMI/ISO 11137-2-2012): 7/10/2013

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

ANSI X9.110-2008 (R2013), Transfer of Location of Electronic Contracts (reaffirmation of ANSI X9.110-2008): 7/8/2013

Withdrawal

ANSI X9.7-1999 (R2007), Bank Check Background and Convenience Amount Fields (withdrawal of ANSI X9.7-1999 (R2007)): 7/8/2013

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

Addenda

ANSI/ASHRAE Addendum 34x-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE Addendum 34w-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE Addendum 55i-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 55k-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 55l-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 55m-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 55n-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 55r-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/27/2013

ANSI/ASHRAE Addendum 34ag to Standard 34-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE Addendum 34ah to Standard 34-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE Addendum 34ai to Standard 34-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE Addendum 34aj to Standard 34-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum aj to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/27/2013

ANSI/ASHRAE/IES Addendum am to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/27/2013

ANSI/ASHRAE/IES Addendum aq to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum ar to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum ax to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum ay to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum bd to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum bg to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum bi to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum bj to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum br to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum bv to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum ca to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum cc to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

ANSI/ASHRAE/IES Addendum ce to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/27/2013

Revision

ANSI/ASHRAE Standard 41.10-2013, Standard Methods for Volatile Refrigerant Mass Flow Measurement Using Flowmeters (revision of ANSI/ASHRAE Standard 41.10-2008): 6/27/2013

ASME (American Society of Mechanical Engineers)

Addenda

ANSI/ASME RA-Sb-2010, Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications (addenda to ANSI/ASME/ANS RA-S-2008): 7/1/2013

ASTM (ASTM International)**New Standard**

ANSI/ASTM D2149-2013, New Standard Test Method for Permittivity Dielectric Constant and Dissipation Factor of Solid Dielectrics at Frequencies to 10 MHz and Temperatures to 500 C (new standard): 05/21/2013

ANSI/ASTM D2303-2013, New Standard Test Methods for Liquid-Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials (new standard): 05/21/2013

ANSI/ASTM D2520-2013, New Standard Test Methods for Complex Permittivity Dielectric Constant of Solid Electrical Insulating Materials at Microwave Frequencies and Temperatures of 1650 C (new standard): 05/21/2013

ANSI/ASTM D4496-2013, New Standard Test Method for DC Resistance or Conductance of Moderately Conductive Materials (new standard): 05/21/2013

ANSI/ASTM D7872-2013, Test Method for Determining the Concentration of Pipeline Drag Reducer Additive in Aviation Turbine Fuels (new standard): 06/18/2013

ANSI/ASTM F3013-2013, Test Method for Density of Topsoil and Blended Soils In-Place by the Core Displacement Method (new standard): 05/21/2013

ANSI/ASTM F3021-2013, Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (new standard): 06/18/2013

ANSI/ASTM F3022-2013, Test Method for Evaluating the Universal Design of Fitness Equipment (new standard): 06/18/2013

ANSI/ASTM F3023-2013, Test Method for Evaluating Design and Performance Characteristics of Stationary Exercise Bicycles and Crank Training Equipment (new standard): 06/18/2013

Reaffirmation

ANSI/ASTM D149-2009 (R2013), Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies (reaffirmation of ANSI/ASTM D149-2009): 05/21/2013

ANSI/ASTM D1094-2007 (R2013), Test Method for Water Reaction of Aviation Fuels (reaffirmation of ANSI/ASTM D1094-2007): 05/21/2013

ANSI/ASTM D2307-2007 (R2013), Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire (reaffirmation of ANSI/ASTM D2307-2007): 05/21/2013

ANSI/ASTM D3251-2004 (R2013), Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied over Film-Insulated Magnet Wire (reaffirmation of ANSI/ASTM D3251-2004 (R2009)): 05/21/2013

ANSI/ASTM D3312-2000 (R2013), Test Method for Percent Reactive Monomer in Solventless Varnishes (reaffirmation of ANSI/ASTM D3312-2000 (R2009)): 05/21/2013

ANSI/ASTM D3377-2000 (R2013), Test Method for Weight Loss of Solventless Varnishes (reaffirmation of ANSI/ASTM D3377-2000 (R2009)): 05/21/2013

ANSI/ASTM F431-1999 (R2013), Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners (reaffirmation of ANSI/ASTM F431-1999 (R2008)): 05/21/2013

ANSI/ASTM F783-1988 (R2013), Specification for Staple, Handgrab, Handle, and Stirrup Rung (reaffirmation of ANSI/ASTM F783-88 (R2008)): 06/18/2013

ANSI/ASTM F1196-2001 (R201x), Specification for Sliding Watertight Door Assemblies (reaffirmation of ANSI/ASTM F1196-2001 (R2006)): 06/18/2013

ANSI/ASTM F1244-2000 (R201x), Specification for Berths, Marine (reaffirmation of ANSI/ASTM F1244-2000 (R2004)): 06/18/2013

ANSI/ASTM F1352-2008 (R2013), Guide for Fixed Blade Broadhead Performance and Safety Standards (reaffirmation of ANSI/ASTM F1352-2008): 05/21/2013

ANSI/ASTM F1361-2007 (R201x), Test Method for Performance of Open Deep Fat Fryers (reaffirmation of ANSI/ASTM F1361-2007): 06/18/2013

ANSI/ASTM F1435-2008 (R2013), Specification for Designation of the Balance Point Location for Archery Arrows (reaffirmation of ANSI/ASTM F1435-2008): 05/21/2013

ANSI/ASTM F1565-2000 (R201x), Specification for Pressure-Reducing Valves for Steam Service (reaffirmation of ANSI/ASTM F1565-2000 (R2006)): 06/18/2013

ANSI/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)): 06/18/2013

ANSI/ASTM F1648-1995 (R2013), Test Methods for Archery Bowstring Component-Serving String Material (reaffirmation of ANSI/ASTM F1648-1995 (R2008)): 05/21/2013

ANSI/ASTM F1685-2000 (R201x), Specification for Pressure-Reducing Manifolds for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1685-2000 (R2006)): 06/18/2013

ANSI/ASTM F1718-2001 (R2013), Specification for Rotary Positive Displacement Distillate Fuel Pumps (reaffirmation of ANSI/ASTM F1718-2001 (R2006)): 06/18/2013

ANSI/ASTM F1791-2000 (R201x), Specification for Filters Used in Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1791-2000 (R2006)): 06/18/2013

ANSI/ASTM F1795-2000 (R2013), Specification for Pressure-Reducing Valves for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1795-2000 (R2006)): 06/18/2013

ANSI/ASTM F1883-2003 (R2013), Practice for Selection of Wire and Cable Size in AWG or Metric Units (reaffirmation of ANSI/ASTM F1883-2003 (R2008)): 06/18/2013

ANSI/ASTM F2014-2000 (R2013), Specification for Non-Reinforced Extruded Tee Connections for Piping Applications (reaffirmation of ANSI/ASTM F2014-2000 (R2006)): 06/18/2013

ANSI/ASTM F2015-2000 (R201x), Specification for Lap Joint Flange Pipe End Applications (reaffirmation of ANSI/ASTM F2015-2000 (R2006)): 06/18/2013

ANSI/ASTM F2022-2001 (R201x), Test Method for Performance of Booster Heaters (reaffirmation of ANSI/ASTM F2022-2001 (R2007)): 06/18/2013

ANSI/ASTM F2141-2007 (R201x), Test Method for Performance of Self-Serve Hot Deli Cases (reaffirmation of ANSI/ASTM F2141-2007): 06/18/2013

ANSI/ASTM F2142-2001 (R201x), Test Method for Performance of Drawer Warmers (reaffirmation of ANSI/ASTM F2142-2001 (R2007)): 06/18/2013

ANSI/ASTM F2644-2007 (R2013), Test Method for Performance of Commercial Patio Heaters (reaffirmation of ANSI/ASTM F2644-2007): 06/18/2013

Revision

ANSI/ASTM D910-2013, Specification for Aviation Gasolines (revision of ANSI/ASTM D910-2011): 05/21/2013

ANSI/ASTM D1655-2013, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2012a): 05/21/2013

ANSI/ASTM D1932-2013, Test Method for Thermal Endurance of Flexible Electrical Insulating Varnishes (revision of ANSI/ASTM D1932-2004 (R2009)): 05/21/2013

ANSI/ASTM D3241-2013, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2012b): 05/21/2013

- ANSI/ASTM D3948-2013, Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer (revision of ANSI/ASTM D3948-2011): 06/18/2013
- ANSI/ASTM D3955-2013, Specification for Electrical Insulating Varnishes (revision of ANSI/ASTM D3955-2004 (R2009)): 05/21/2013
- ANSI/ASTM D4306-2013, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination (revision of ANSI/ASTM D4306-2013): 06/18/2013
- ANSI/ASTM D4308-2013, Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter (revision of ANSI/ASTM D4308-2012): 06/18/2013
- ANSI/ASTM D4730-2013, Specification for Flooding Compounds for Telecommunications Wire and Cable (revision of ANSI/ASTM D4730-2002 (R2008)): 05/21/2013
- ANSI/ASTM D4731-2013, Specification for Hot-Application Filling Compounds for Telecommunications Wire and Cable (revision of ANSI/ASTM D4731-2002 (R2008)): 05/21/2013
- ANSI/ASTM D4732-2013, Specification for Cool-Application Filling Compounds for Telecommunications Wire and Cable (revision of ANSI/ASTM D4732-2002 (R2008)): 05/21/2013
- ANSI/ASTM D4733-2013, Test Methods for Solventless Electrical Insulating Varnishes (revision of ANSI/ASTM D4733-2003 (R2009)): 05/21/2013
- ANSI/ASTM D6617-2013, Practice for Laboratory Bias Detection Using Single Test Result from Standard Material (revision of ANSI/ASTM D6617-2008): 06/18/2013
- ANSI/ASTM D6708-2013, Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2008): 05/21/2013
- ANSI/ASTM D6792-2013, Practice for Quality System in Petroleum Products and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2007): 05/21/2013
- ANSI/ASTM D6824-2013, Test Method for Determining Filterability of Aviation Turbine Fuel (revision of ANSI/ASTM D6824-2007): 06/18/2013
- ANSI/ASTM D7224-2013, Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer (revision of ANSI/ASTM D7224-2012): 06/18/2013
- ANSI/ASTM D7547-2013, Specification for Hydrocarbon Only Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2012a): 05/21/2013
- ANSI/ASTM D7566-2013, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2012): 05/21/2013
- ANSI/ASTM D7618-2013, Specification for Ethyl Tertiary-Butyl Ether (ETBE) for Blending with Aviation Spark-Ignition Engine Fuel (revision of ANSI/ASTM D7618-2010): 05/21/2013
- ANSI/ASTM E8-2013, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8-2011): 06/01/2013
- ANSI/ASTM E177-2013, Practice for Use of the Terms Precision and Bias in ASTM Test Methods (revision of ANSI/ASTM E177-2010): 05/21/2013
- ANSI/ASTM E329-2013, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2011a): 06/18/2013
- ANSI/ASTM E691-2013, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2012): 05/21/2013
- ANSI/ASTM F381-2013, Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines (revision of ANSI/ASTM F381-2011): 6/1/2013
- ANSI/ASTM F430-2013, Specification for Paper Used for Vacuum Cleaner Filter Bags (revision of ANSI/ASTM F430-2011): 05/21/2013
- ANSI/ASTM F441-2013, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80 (revision of ANSI/ASTM F441-2012): 06/01/2013
- ANSI/ASTM F442-2013, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR) (revision of ANSI/ASTM F442-2012): 06/01/2013
- ANSI/ASTM F450-2013, Test Method for Vacuum Cleaner Hose - Durability and Reliability (Plastic) (revision of ANSI/ASTM F450-2009): 05/21/2013
- ANSI/ASTM F558-2013, Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners (revision of ANSI/ASTM F558-2011): 05/21/2013
- ANSI/ASTM F655-2013, Specification for Test Carpets and Pads for Vacuum Cleaner Testing (revision of ANSI/ASTM F655-2011): 06/01/2013
- ANSI/ASTM F677-2013, Test Method for Fluid and Grease Resistance of Thermoset Encapsulating Compounds Used in Electronic and Microelectronic Applications (revision of ANSI/ASTM F677-2004 (R2009)): 05/21/2013
- ANSI/ASTM F714-2013, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2012a): 6/1/2013
- ANSI/ASTM F1250-2013, Safety Specification for Stationary Exercise Bicycles (revision of ANSI/ASTM F1250-2000 (R2006)): 06/18/2013
- ANSI/ASTM F1496-2013, Test Method for Performance of Convection Ovens (revision of ANSI/ASTM F1496-2012): 06/18/2013
- ANSI/ASTM F1807-2013, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2012): 05/21/2013
- ANSI/ASTM F1827-2013, Terminology Relating to Food Service Equipment (revision of ANSI/ASTM F1827-2012): 06/18/2013
- ANSI/ASTM F1976-2013, Test Method for Impact Attenuation Properties of Athletic Shoes Using an Impact Test (revision of ANSI/ASTM F1976-2006): 05/21/2013
- ANSI/ASTM F2121-2013, Practice for Treestand Labels (revision of ANSI/ASTM F2121-2005 (R2009)): 06/01/2013
- ANSI/ASTM F2122-2013, Practice for Treestand Safety Devices (revision of ANSI/ASTM F2122-2008): 06/01/2013
- ANSI/ASTM F2123-2013, Practice for Treestand Instructions (revision of ANSI/ASTM F2123-2009): 05/21/2013
- ANSI/ASTM F2124-2013, Practice for Testing Treestand Ladder, Tripod Stand and Climbing Stick Load Capacity (revision of ANSI/ASTM F2124-2005 (R2009)): 05/21/2013
- ANSI/ASTM F2128-2013, Test Method for Treestand Repetitive Loading Capability (revision of ANSI/ASTM F2128-2009): 05/21/2013
- ANSI/ASTM F2154-2013, Specification for Sound-Absorbing Board, Fibrous Glass, Perforated Fibrous Glass Cloth Faced (revision of ANSI/ASTM F2154-2001 (R2007)): 06/18/2013
- ANSI/ASTM F2219-2013, Test Methods for Measuring High-Speed Bat Performance (revision of ANSI/ASTM F2219-2011): 06/01/2013
- ANSI/ASTM F2225-2013, Safety Specification for Consumer Trampoline Enclosures (revision of ANSI/ASTM F2225-2012): 06/01/2013
- ANSI/ASTM F2272-2013, Specification for Paintball Markers (revision of ANSI/ASTM F2272-2012): 05/21/2013

- ANSI/ASTM F2324-2013, Test Method for Prerinse Spray Valves (revision of ANSI/ASTM F2324-2003 (R2009)): 06/18/2013
- ANSI/ASTM F2650-2013, Terminology Relating to Impact Testing of Sports Surfaces and Equipment (revision of ANSI/ASTM F2650-2007): 06/01/2013
- ANSI/ASTM F2679-2013, Specification for 6 mm Projectiles Used with Low Energy Air Guns (revision of ANSI/ASTM F2679-2007): 05/21/2013
- ANSI/ASTM F2687-2013, Practice for Life Cycle Cost Analysis of Commercial Food Service Equipment (revision of ANSI/ASTM F2687-2007): 06/18/2013
- ANSI/ASTM F2877-2013, Test Method for Shock Testing of Structural Insulation of A-Class Divisions Constructed of Steel or Aluminum (revision of ANSI/ASTM F2877-2011): 06/18/2013
- ANSI/ASTM F2976-2013, Practice for Determining the Field Performance of Commercial Kitchen Demand Control Ventilation Systems (revision of ANSI/ASTM F2976-2012): 06/18/2013

Withdrawal

- ANSI/ASTM F869-2001 (R2007), Terminology Relating to Athletics Shoes and Biomechanics (withdrawal of ANSI/ASTM F869-2001 (R2007)): 05/21/2013
- 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)): 06/18/2013

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

- ANSI ATIS 0100001-2004 (R2013), User Plane Security Guidelines and Requirements for ETS (reaffirmation of ANSI ATIS 0100001-2004 (R2008)): 7/10/2013
- ANSI ATIS 0100017-2008 (R2013), Reduced Reference Video Calibration Estimation Method (reaffirmation of ANSI ATIS 0100017-2008): 7/10/2013
- ANSI ATIS 0100020-2008 (R2013), Availability Metric for IP-Based Networks and Services (reaffirmation of ANSI ATIS 0100020-2008): 7/10/2013
- ANSI ATIS 0100022-2008 (R2013), Priority Classification Levels for Next Generation Networks (reaffirmation of ANSI ATIS 0100022-2008): 7/10/2013
- ANSI ATIS 0100501-1994 (R2013), Network Performance - Tandem Encoding Limits for 32-kbit/s Adaptive Differential Pulse-Code Modulation (ADPCM) (reaffirmation of ANSI ATIS 0100501-1994 (R2008)): 7/10/2013
- ANSI ATIS 0100508-2003 (R2013), Loss Plan for Digital Networks (reaffirmation of ANSI ATIS 0100508-2003 (R2008)): 7/10/2013
- ANSI ATIS 0100509-1995 (R2013), Packetized Circuit Multiplication Equipment - Interface Specification (reaffirmation of ANSI ATIS 0100509-1995 (R2008)): 7/10/2013
- ANSI ATIS 0100510-1999 (R2013), Network Performance Parameters for Dedicated Digital Services for Rates Up to and Including DS3 - Specifications (reaffirmation of ANSI ATIS 0100510-1999 (R2008)): 7/10/2013
- ANSI ATIS 0100511-2003 (R2013), B-ISDN ATM Layer Cell Transfer Performance (reaffirmation of ANSI ATIS 0100511-2003 (R2008)): 7/10/2013
- ANSI ATIS 0100512-1994 (R2013), Network Performance - Point-to-Point Voice-Grade Special Access Network Voiceband Data Transmission Objectives (reaffirmation of ANSI ATIS 0100512-1994 (R2008)): 7/10/2013

- ANSI ATIS 0100513-2003 (R2013), Frame Relay Data Communication Service - Access, User Information Transfer, Disengagement, and Availability Performance Parameters (reaffirmation of ANSI ATIS 0100513-2003 (R2008)): 7/10/2013
- ANSI ATIS 0100518-1998 (R2013), Objective Measurement of Telephone Band Speech Quality Using Measuring Normalizing Blocks (MNBs) (reaffirmation of ANSI ATIS 0100518-1998 (R2008)): 7/10/2013
- ANSI ATIS 0100519-1999 (R2013), Specifications for Transport of Generic Packets (including MPEG-2 Transport Packets) Over the DS Hierarchy (reaffirmation of ANSI ATIS 0100519-1999 (R2008)): 7/10/2013
- ANSI ATIS 0100524-2004 (R2013), Reliability-related Metrics and Terminology for Network Elements in Evolving Communications Networks (reaffirmation of ANSI ATIS 0100524-2004 (R2008)): 7/10/2013
- ANSI ATIS 0100801.03-2003 (R2013), Digital Transport of One-Way Video Signals - Parameters for Objective Performance Assessment (reaffirmation of ANSI ATIS 0100801.03-2003 (R2008)): 7/10/2013
- ANSI ATIS 0100803-1998 (R2013), Overview and Reference for GSTN Multimedia Terminals (reaffirmation of ANSI ATIS 0100803-1998 (R2008)): 7/10/2013

CAGI (Compressed Air and Gas Institute)

New National Adoption

- ANSI/CAGI/ISO 1217-2013, Displacement Compressors: Acceptance Tests (identical national adoption of ISO 1217): 7/1/2013

HPS (ASC N43) (Health Physics Society)

New Standard

- ANSI N43.4-2013, Classification of Radioactive Self-Luminous Light Sources (new standard): 7/8/2013
- ANSI N43.5-2013, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV (new standard): 7/8/2013

ISA (ISA)

New National Adoption

- ANSI/ISA 95.00.03 (IEC 62264-3 Modified)-2013, Enterprise-Control System Integration - Part 3: Activity Models of Manufacturing Operations Management (national adoption with modifications of IEC 62264-3): 7/8/2013

Revision

- ANSI/ISA 95.00.05-2013, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2007): 7/8/2013

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

Reaffirmation

- INCITS/ISO/IEC 18028-3-2008 (R2013), Information technology - Security techniques - IT network security - Part 3: Securing communications between networks using security gateways (reaffirmation of INCITS/ISO/IEC 18028-3-2008): 7/10/2013
- INCITS/ISO/IEC 18028-5-2008 (R2013), Information technology - Security techniques - IT network security - Part 5: Securing communications between networks using Virtual Private Networks (reaffirmation of INCITS/ISO/IEC 18028-5-2008): 7/10/2013

NASPO (North American Security Products Organization)

Revision

ANSI/NASPO-SA-2013, Security Assurance Standard (revision of ANSI/NASPO-SA-2008): 7/8/2013

NEMA (National Electrical Manufacturers Association)

New Standard

ANSI/NEMA SGIC-1-2013, Smart Grid Interoperable & Conformance (SG-IC) Testing and Certification Scheme Operator Guidelines (new standard): 7/10/2013

NSF (NSF International)

Revision

* ANSI/NSF 14-2013 (i50r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2013): 6/24/2013

ANSI/NSF 330-2013 (i3), Glossary of drinking water treatment unit terminology (revision of ANSI/NSF 330-2009): 6/11/2013

PLASA (PLASA North America)

New Standard

ANSI E1.6-2-2013, Entertainment Technology - Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (new standard): 7/10/2013

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60730-2-3-2013, Standard for Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (identical national adoption of IEC 60730-2-3): 6/28/2013

Reaffirmation

ANSI/UL 1889-2009 (R2013), Standard For Safety For Commercial Filters for Cooking Oil (reaffirmation of ANSI/UL 1889-2009): 6/28/2013

Revision

ANSI/UL 448A-2013, Standard for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps (revision of ANSI/UL 448A-2008): 7/9/2013

* ANSI/UL 507-2013, Standard for Electric Fans (revision of ANSI/UL 507-2012a): 7/9/2013

ANSI/UL 827-2013, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2012): 7/3/2013

ANSI/UL 1023-2013a, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2009): 7/1/2013

ANSI/UL 1072-2013, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2012): 6/19/2013

ANSI/UL 1083-2013, Standard for Safety for Household Electric Skillets and Frying-Type Appliances (Proposals dated March 29, 2013) (revision of ANSI/UL 1083-2011): 7/1/2013

ANSI/UL 1917-2013, Standard for Safety for Solid-State Fan Speed Controls (revision of ANSI/UL 1917-2012): 7/3/2013

Project Initiation Notification System (PINS)

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

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

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

APSP (Association of Pool and Spa Professionals)

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* BSR/APSP-13-201x, Standard for Water Conservation Efficiency in Pools, Spas and Swim Spas (new standard)

Stakeholders: Manufacturers, builders, pool operators, managers, and code officials.

Project Need: The purpose of this standard is to describe water use by pools, spas, and swim spas and provide a means of achieving a higher degree of water-use efficiency including but not limited to: (1) evaporation; (2) filtration; (3) leaks, people use and maintenance; and (4) total dissolved solids control.

The standard covers methods and technologies to increase the efficient use and conservation of water for recreational pools, spas, and swim spas equipped with a filtration circulation system.

ASABE (American Society of Agricultural and Biological Engineers)

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BSR/ASABE/ISO 11783-4-2011, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 4: Network layer (identical national adoption of ISO 11783-4:2011)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensor, actuators, control elements, and information storage and display units, whether mounted on, or part of, the tractor or implement. Describes the network layer, which defines the requirements and services needed for communication between control functions (CFs) in different segments of the ISO 11783 network. The various types of network interconnection units are defined in this part of ISO 11783.

BSR/ASABE/ISO 11783-5-2011, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 5: Network management (identical national adoption of ISO 11783-5:2011)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensors, actuators, control elements and information storage and display units, whether mounted on, or part of, the tractor or implement. ISO 11783-5:2011 describes the management of source addresses for control functions of electronic control units (ECUs), the association of addresses with the functional identification of a device and the detection and reporting of network-related errors. It also specifies procedures, and minimum requirements, for initialization and response to brief power outages of network-connected ECUs.

BSR/ASABE/ISO 11783-8-2006, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 8: Power train messages (identical national adoption of ISO 11783-8:2006)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors, mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensor, actuators, control elements, and information storage and display units whether mounted or part of the tractor, or any implements. This part of ISO 11783 describes the messages required by tractors and self-propelled implements.

BSR/ASABE/ISO 11783-9-2012, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 9: Tractor ECU (identical national adoption of ISO 11783-9:2012)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensor, actuators, control elements, and information storage and display units, whether mounted on, or part of, the tractor or implement. This part of ISO 11783 describes the Tractor ECU (TECU), the control function (CF) that provides the gateway between the network's tractor and implement buses, as well as performing other functions.

BSR/ASABE/ISO 11783-11-2011, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 11: Mobile data element dictionary (identical national adoption of ISO 11783-11:2011)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

ISO 11783-11:2011 specifies the identifiers for the data elements used in the Process Data message defined by ISO 11783-10 for a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed or self-propelled implements.

BSR/ASABE/ISO 11783-13-2011, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 13: File server (identical national adoption of ISO 11783-13:2011)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensors, actuators, control elements, and information storage and display units, whether mounted on, or part of, the tractor or implement. This part of ISO 11783 specifies the file server (FS) for use by a tractor or self-propelled implement.

BSR/ASABE/ISO 11783-2-2012 W/Cor.1, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 2: Physical layer (identical national adoption of ISO 11783-2:2012 and ISO 11783-2:2012 Corrigendum 1)

Stakeholders: Manufacturers of agricultural equipment and agricultural tractors used in forestry, academia, and users of the technology.

Project Need: Increases visibility to standard; Harmonizes national and international standards; Benefits International Trade.

Specifies a serial data network for control and communications on forestry or agricultural tractors and mounted, semi-mounted, towed, or self-propelled implements. Its purpose is to standardize the method and format of transfer of data between sensors, actuators, control elements, and information storage and display units, whether mounted on, or part of, the tractor or implement, and to provide an open interconnect system for electronic systems used by agricultural and forestry equipment. This part of ISO 11783 defines and describes the network's 250 kbit/s, twisted, non-shielded, quad-cable physical layer.

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

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Atlanta, GA 30329

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Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 23.1-201X, Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate and Subcritical Temperatures of the Refrigerant (revision and redesignation of ANSI/ASHRAE Standard 23.1P-2010)

Stakeholders: Consumers, compressor manufacturers, manufacturers of residential air-conditioners and heat pumps, refrigerator store cases and other refrigerant system products, utilities, DOE and other regulatory agencies.

Project Need: 23.1 is used to rate the performance of compressors for residential use and other applications. 23.1 is due to periodic maintenance in accordance with ANSI requirements.

This standard applies to the methods of testing for rating the thermodynamic performance of single-stage positive-displacement refrigerant compressors and condensing units that operate at subcritical temperatures of the refrigerant that either (a) do not have liquid injection or (b) incorporate liquid injection that is achieved by compressor motor power.

BSR/ASHRAE Standard 28-201x, Methods of Testing Flow Capacity of Refrigerant Capillary Tubes (revision of ANSI/ASHRAE Standard 28-1996 (R2010))

Stakeholders: Small vapor compression appliance manufacturers who produce refrigerators, window air conditioners, etc.

Project Need: This standard provides uniform methods for laboratory testing of the flow capacity of refrigerant capillary tubes.

This standard prescribes two test methods, a traditional method and an alternative method, for determining the flow capacity of capillary tubes such as are used for refrigerant metering in refrigeration systems. Both methods use dry nitrogen and provide comparable results, but the alternative method is more convenient if electronic devices are used.

BSR/ASHRAE Standard 118.1-201x, Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment (revision of ANSI/ASHRAE Standard 118.1-2012)

Stakeholders: Consumers, manufacturers, and utilities.

Project Need: Changes are occurring in product technology and rating conditions being used in the field that require the test method to be updated. Also, changes in Standard 118.2 may require modification to 118.1 to maintain proper coordination between these two standards.

This standard provides test procedures for determining the efficiency and hot-water delivery capability of the waterheating equipment to which it applies.

ASTM (ASTM International)

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

Contact: Jeff Richardson

Fax: (610) 834-7067

E-mail: accreditation@astm.org

BSR/ASTM WK42638-201x, New Specification for 4 to 60 inch [100 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe containing recycled PE for Gravity Flow Storm Sewer and Subsurface Drainage Applications (new standard)

Stakeholders: Sewer industry.

Project Need: This specification covers requirements and test methods for annular corrugated profile wall polyethylene pipe with an interior liner. The inside diameters covered are 4 to 60 in. (100 to 1500 mm).

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK42638.htm>

BSR/ASTM WK42675-201x, New Specification for Performance of Press-Connect Fittings for Piping and Tubing Systems (new standard)

Stakeholders: Machinery and Piping Systems industry.

Project Need: This specification establishes the performance characteristics required for press-connect fittings for use in piping and tubing systems. These fittings directly attach to pipe or tube by mechanical deformation of the pipe or tube or fitting, or a combination thereof, creating a seal.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK42675.htm>

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

Stakeholders: Airsoft industry.

Project Need: This specification covers airsoft barrel-blocking devices that may be inserted or otherwise function to prevent airsoft BBs from leaving the muzzle or the confines of the barrel-blocking device intact.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK42700.htm>

BSR/ASTM WK42727-201x, New Test Methods for Determining the Effectiveness of Treatments for Natural Christmas Trees to Improve Fire Performance Characteristics (new standard)

Stakeholders: Furnishings and Contents industry.

Project Need: This fire-test-response standard provides a test method for determining the effectiveness of surface applied treatments for natural Christmas trees to improve fire-performance characteristics.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK42727.htm>

AWS (American Welding Society)

Office: 8669 NW 36th Street
Miami, FL 33166

Contact: Efram Abrams

Fax: (305) 443-5951

E-mail: eabrams@aws.org

BSR/AWS C2.16/C2.16M-200x, Guide for Thermal-Spray Operator Qualification (new standard)

Stakeholders: AWS, Thermal Spray community.

Project Need: Provides knowledge and guidance to stakeholders on thermal-spray operator qualification.

This guide contains recommendations for thermal-spray operator qualification based on knowledge and skill testing. Twelve individual thermal-spray operator qualification tests (TSOQT) are included for engineering and corrosion control applications: one each for job knowledge, high-velocity oxygen fuel (HVOF) spraying and flame spray-fusing; two for arc spraying; and three each for flame spraying and air-plasma spraying.

BSR/AWS C2.20/C2.20M-200x, Specification for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete (new standard)

Stakeholders: AWS, Thermal Spray community.

Project Need: Provides knowledge to stakeholders on application of thermal spray to reinforced concrete.

This AWS standard is a specification for thermal spraying zinc anodes on steel reinforced concrete. This standard is formatted as an industrial process instruction. The scope includes: job description, safety, pass/fail job reference standards, feedstock materials, equipment, a step-by-step process instruction for surface preparation, thermal spraying, and quality control. There are two annexes: job control record and portable adhesion testing.

BPI (Building Performance Institute)

Office: 107 Hermes Road
Suite 110
Malta, NY 12020

Contact: Susan Carson

Fax: (866) 777-1274

E-mail: scarson@bpi.org; standards@bpi.org

* BSR/BPI 7100-S-201x, Standard Classification of Residential Buildings (new standard)

Stakeholders: Standards developers, energy efficiency agencies, program designers, analytics/modeling developers/underwriters, and marketers/educators concerned with energy efficiency and building performance.

Project Need: A clear set of definitions of the various classes of residential buildings does not currently exist. Practitioners trying to benchmark, audit, maintain, operate, and improve residential buildings need terminology that is more descriptive and more standardized.

The scope of this standard is to define a uniform set of terms, definitions, and categories pertaining to residential buildings, including, but not limited to, physical characteristics, energy sources and consumption, and costs; characteristics of the building's systems; ownership, financing, and management structures; occupancy categories; and types of available programs as they relate to the other categories. Limited to buildings that have a minimum of one "unit" designed for residential use.

ISA (ISA)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 60079-10-1-201x, Explosive atmospheres - Part 10-1:

Classification of areas - Explosive gas atmospheres (national adoption with modifications of IEC 60079-10-1)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To provide for human, equipment, and location safety.

This standard is concerned with the classification of areas where flammable gas or vapor or mist hazards may arise and may then be used as a basis to support the proper selection and installation of equipment for use in a hazardous area.

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

Office: 100 Bureau Drive
Gaithersburg, MD 20899-8940

Contact: *Brad Wing*

Fax: (301) 975-5287

E-mail: Brad.Wing@NIST.Gov

BSR/NIST-ITL 1 Sup-Dental-201x, Supplement to ANSI/NIST-ITL 1 -2011 for Dental Forensic Data (supplement to ANSI/NIST-ITL 1 -2011)

Stakeholders: American Dental Association; Law enforcement; Disaster Victim ID communities.

Project Need: Add new capability to transmit dental forensic data.

Adds a capability to transmit dental forensic information in an ANSI/NIST-ITL transaction. It will be largely based upon ADA Specification 1058.

NSF (NSF International)

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Ann Arbor, MI 48105

Contact: *Jessica Slomka*

E-mail: jslomka@nsf.org

* BSR/NSF 426-201x, Environmental Leadership Standard for Servers (new standard)

Stakeholders: Industry, users, and public health/regulatory.

Project Need: Increased awareness and procurement programs are emerging requiring conformance with a variety of environmental criteria. This project is needed to attain a consensus standard on what constitutes environmental leadership for server products.

This is an environmental leadership standard for computer servers as defined in the Energy Star Server specifications, including managed servers and blade servers. This standard addresses multiple attributes and environmental performance areas including reduction of substances of concern, preferable materials use, energy efficiency, design for end-of-life, product packaging, product longevity, responsible end-of-life management, and corporate responsibility.

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 455-122-B-201x, FOTP-122 Adopt IEC 60793-1-48:

Measurement Methods and Test Procedures - Polarization Mode Dispersion (identical national adoption of IEC 60793-1-48)

Stakeholders: Fiber and cable suppliers utilizing factory measurements as well as third-party measurement labs.

Project Need: Need is to revise the current publication of FOTP 122 with IEC 60793-1-48.

This part of IEC 60793 applies to three methods of measuring polarization mode dispersion (PMD), which are described in Clause 4. It establishes uniform requirements for measuring the PMD of single-mode optical fiber, thereby assisting in the inspection of fibers and cables for commercial purposes.

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, 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.

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>CAGI Compressed Air and Gas Institute</p> <p>1300 Sumner Avenue Cleveland, OH 441152851 Phone: (216) 241-7333 x3027 Fax: (216) 241-0105 Web: www.cagi.org/welcome.htm</p>	<p>ISA (Organization) ISA-The Instrumentation, Systems, and Automation Society</p> <p>67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9213 Fax: (919) 549-8288 Web: www.isa.org</p>
<p>ACMA American Composites Manufacturers Association</p> <p>1010 North Glebe Road Arlington, VA 43025 Phone: (740) 928-3286 Fax: (740) 525-0743 Web: www.icpa-hq.org</p>	<p>ASSE (Safety) American Society of Safety Engineers</p> <p>1800 East Oakton Street Des Plaines, IL 60018-2187 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org</p>	<p>CGA Compressed Gas Association</p> <p>14501 George Carter Way Suite 103 Chantilly, VA 20151 Phone: (703) 788-2728 Fax: (703) 961-1831 Web: www.cganet.com</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards</p> <p>1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5741 Fax: 202-638-4922 Web: www.incits.org</p>
<p>APSP Association of Pool and Spa Professionals</p> <p>2111 Eisenhower Avenue Alexandria, VA 22314 Phone: (703) 838-0083 x150 Fax: (703) 549-0493 Web: www.apsp.org</p>	<p>ASTM ASTM International</p> <p>100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9743 Fax: (610) 834-3655 Web: www.astm.org</p>	<p>ECA Electronic Components Association</p> <p>2214 Rock Hill Road Suite 170 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.eciaonline.org</p>	<p>NAAMM National Association of Architectural Metal Manufacturers</p> <p>800 Roosevelt Road, Building C Suite 312 Glen Ellyn, IL 60137 Phone: (630) 942-6591 Fax: (630) 790-3095 Web: www.naamm.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers</p> <p>2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions</p> <p>1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: www.atis.org</p>	<p>EOS/ESD ESD Association</p> <p>7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>NASPO North American Security Products Organization</p> <p>c/o Intel Corporation 2200 Mission College Blvd MS: SC4-122 Santa Clara, CA 95052-8119 Phone: (408) 765-1806 or (408) 623-4167 Fax: (408) 765-7737 Web: www.naspo.info</p>
<p>ASB (ASC Z50) American Society of Baking</p> <p>243 Reade Drive Cogan Station, PA 17728 Phone: (570) 494-0624 Fax: (570) 494-0603 Web: www.asbe.org</p>	<p>AWS American Welding Society</p> <p>8669 NW 36th Street Miami, FL 33166 Phone: (305) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>HPS (ASC N13) Health Physics Society</p> <p>1313 Dolley Madison Blvd Suite 402 McLean, VA 22101 Phone: (703) 790-1745 Fax: (703) 790-2672 Web: www.hps.org</p>	<p>NECA National Electrical Contractors Association</p> <p>3 Bethesda Metro Center Suite 1100 Bethesda, MD 20814 Phone: (301) 215-4549 Fax: (301) 215-4500 Web: www.necanet.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated</p> <p>1212 West Street Suite 200 Annapolis, MD 21401 Phone: (410) 267-7707 Fax: (410) 267-0961 Web: www.x9.org</p>	<p>AWWA American Water Works Association</p> <p>6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>ICC International Code Council</p> <p>4051 West Flossmoor Road Country Club Hills, IL 60478-5795 Phone: (708) 799-2300 Fax: (708) 799-0320 Web: www.iccsafe.org</p>	<p>NEMA (Canvass) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite #1752 Rosslyn, VA 22209 Phone: (703) 841-3297 Web: www.nema.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</p> <p>1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>BPI Building Performance Institute</p> <p>107 Hermes Road Suite 110 Malta, NY 12020 Phone: (877) 274-1274 Fax: (866) 777-1274 Web: www.bpi.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers (IEEE)</p> <p>445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org</p>	

NIST/ITL

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NSF

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PLASA

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TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
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Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
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Web: www.ul.com



Newly Published ISO Standards

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 9167-1/Amd1:2013, Rapeseed - Determination of glucosinolates content - Part 1: Method using high-performance liquid chromatography - Amendment 1, \$20.00

ISO 3657:2013, Animal and vegetable fats and oils - Determination of saponification value, \$80.00

ISO 3961:2013, Animal and vegetable fats and oils - Determination of iodine value, \$80.00

CERAMIC TILE (TC 189)

ISO 10545-9:2013, Ceramic tiles - Part 9: Determination of resistance to thermal shock, \$53.00

CRANES (TC 96)

ISO 16625:2013, Cranes and hoists - Selection of wire ropes, drums and sheaves, \$126.00

GAS CYLINDERS (TC 58)

ISO 15245-1/Amd1:2013, Gas cylinders - Parallel threads for connection of valves to gas cylinders - Part 1: Specification - Amendment 1, \$20.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 16759:2013, Graphic technology - Quantification and communication for calculating the carbon footprint of print media products, \$172.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

IEC 62264-1:2013, Enterprise-control system integration - Part 1: Models and terminology, \$285.00

PAPER, BOARD AND PULPS (TC 6)

ISO 217:2013, Paper - Untrimmed sizes - Designation and tolerances for primary and supplementary ranges, and indication of machine direction, \$53.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 13688:2013, Protective clothing - General requirements, \$126.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 9038:2013, Determination of sustained combustibility of liquids, \$90.00

POWDER METALLURGY (TC 119)

ISO 3326:2013, Hardmetals - Determination of (the magnetization) coercivity, \$46.00

ROAD VEHICLES (TC 22)

ISO 6623:2013, Internal combustion engines - Piston rings - Scraper rings made of cast iron, \$135.00

SOLID MINERAL FUELS (TC 27)

ISO 17247:2013, Coal - Ultimate analysis, \$60.00

TEXTILES (TC 38)

ISO 20743:2013, Textiles - Determination of antibacterial activity of textile products, \$150.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 8243:2013, Cigarettes - Sampling, \$90.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 9312:2013, Resistance welding equipment - Insulated pins for use in electrode back-ups, \$53.00

ISO Technical Reports

FIRE SAFETY (TC 92)

ISO/TR 15657:2013, Fire resistance tests - Guidelines for computational structural fire design, \$218.00

ISO/TR 16730-2:2013, Fire safety engineering - Assessment, verification and validation of calculation methods - Part 2: Example of a fire zone model, \$126.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/TR 18161:2013, Automation systems and integration - Applications integration approach using information exchange requirements modelling and software capability profiling, \$164.00

ISO Technical Specifications

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/TS 18083:2013, Processed cheese products - Calculation of content of added phosphate expressed as phosphorus, \$46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 20005:2013, Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks, \$172.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Accreditation

ASSE International Chapter of IAMPO (ASSE International)

ANSI's Executive Standards Council has approved the ASSE International Chapter of IAPMO (ASSE International), an ANSI Organizational Member, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on ASSE International-sponsored American National Standards, effective July 2, 2013. The American Society of Sanitary Engineering was dissolved in 2012 and reconstituted under the IAPMO Group as the ASSE International Chapter of IAPMO. For additional information, please contact: Ms. Sara Marxen, Compliance Coordinator, ASSE International, 901 Canterbury Road, Suite A, Westlake, OH 44145; phone: 440.835.3040; e-mail: sara@asse-plumbing.org.

Approval of Reaccreditation

ACCT – The Association for Challenge Course Technology

ANSI's Executive Standards Council has approved the reaccreditation of ACCT – The Association for Challenge Course Technology, an ANSI Organizational Member, under its recently revised operating procedures for documenting consensus on ACCT-sponsored American National Standards, effective July 9, 2013. For additional information, please contact: Mr. Bill Weaver, Director of Operations, Association for Challenge Course Technology, P.O. Box 47, Deerfield, IL 60015; phone: 301.791.0281; e-mail: bill@acctinfo.org.

Reaccreditation

FM Approvals

Comment Deadline: August 12, 2013

FM Approvals has submitted limited revisions to its currently accredited procedures for documenting consensus on FM Approvals-sponsored American National Standards, under which it was last reaccredited in March 2013. 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. Josephine Mahnken, Senior Business Process Specialist, FM Approvals, P.O. Box 9102, 1151 Boston-Providence Turnpike, Norwood, MA 02062; phone: 781.255.4813; e-mail: josephine.mahnken@fmapprovals.com. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to FM Approvals by August 12, 2013, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: jthomps@ANSI.org).

ANSI-ASQ National Accreditation Board (ANAB)

Public Comments Sought

Draft Revision of ANAB Accreditation Rule 47 – Accreditation Program for Avoidance of Counterfeit Electronic Parts Management Systems

Comment Deadline: August 1, 2013

Public comments are sought on the draft revision of ANAB Accreditation Rule 47, Accreditation Program for Avoidance of Counterfeit Electronic Parts Management Systems.

Interested parties are invited to login to EQM at <http://anab.remoteauditor.com/> to download the document and comment on public ballot 1130. (Note: A username and password are required to access and comment on this web ballot. If you do not have a username and password for EQM, go to

http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than August 1, 2013.

Draft Revision of ANAB Accreditation Rule 37 – Accreditation Program for Private Sector Preparedness Voluntary Certification (PS-Prep)

Comment Deadline: August 1, 2013

Public comments are sought on the draft revision of ANAB Accreditation Rule 37, Accreditation Program for Private Sector Preparedness Voluntary Certification (PS-Prep).

Interested parties are invited to login to EQM at <http://anab.remoteauditor.com/> to download the document and comment on public ballot 1131. (Note: A username and password are required to access and comment on this web ballot. If you do not have a username and password for EQM, go to

http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than August 1, 2013.

Withdrawal of ANAB Accreditation Rule 40, Accreditation Program for Organizational Resilience-Emergency Management-Business Community Management Systems

Comment Deadline: August 1, 2013

Public comments are sought on the withdrawal of ANAB Accreditation Rule 40, Accreditation Program for Organizational Resilience-Emergency Management-Business Continuity Management Systems. Interested parties are invited to login to EQM at

<http://anab.remoteauditor.com/> to download the document and comment on public ballot 1132. (Note: A username and password are required to access and comment on this web ballot. If you do not have a username and password for EQM, go to

http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than August 1, 2013.

International Organization for Standardization (ISO)

Call for Comments

ISO/DGUIDE 82 – Guide for Addressing Sustainability in Standards

Comment Deadline: August 2, 2013

The ISO TMB's Sustainability Guide Drafting Group (ISO/TMB/SGDG) has produced a draft guide entitled ISO/DGUIDE 82 - Guide for addressing sustainability in standards. The scope is as follows:

This guide provides guidance to standards writers on how to take account of sustainability in the drafting of ISO standards and similar deliverables. It outlines a methodology for ISO standards writers to develop their own approach to the task on a subject specific basis.

Organizations interested in submitting comments should contact Rachel Hawthorne at rhawthorne@ansi.org by August 2, 2013.

Calls for US/TAG and US/TAG Administrator

ISO/TC 281 – Fine Bubble technology

A new ISO Technical Committee ISO/TC 281 – Fine Bubble technology has been formed. ANSI is calling for interest in forming a US/TAG for ISO/TC 281 and an organization who would like to serve as US/TAG Administrator. The Secretariat has been allocated to JISC (Japan). The scope of ISO/TC 282 is as follows:

Standardization of terms and definitions, classifications in sizes and characteristics, and other aspects related to measurements, functions and applications in the field of "fine bubbles". According to known behavior of fine bubbles, there are so-called "ultrafine bubbles" which is better to be defined differently. For example, ultrafine bubbles may be determined as the inside pressure increase by the surface tension effect to be larger than 1 atm for the air bubble in water, which would have the equivalent diameter smaller than about 3 um . This is to be discussed and defined later by the new TC. The new TC deals with both "fine bubbles" and "ultrafine bubbles".

Organizations interested in obtaining additional information about these new committees should contact ANSI at isot@ansi.org.

ISO/TC 282 – Water Re-Use

A new ISO Technical Committee, ISO/TC 282 – Water re-use, has been formed. The Secretariat has been allocated to JISC (Japan) and SAC (China) as part of a twinning arrangement. The American Society of Plumbing Engineers (ASPE) has indicated its intent to submit an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG). The scope of ISO/TC 282 is as follows:

Standardisation of water re-use of any kind and for any purpose. It covers both centralised and decentralised or on-site water re-uses, direct and indirect ones as well as intentional and unintentional ones. It includes technical, economic, environmental and societal aspects of water re-use. Water re-use comprises a sequence of the stages and operations involved in uptake, conveyance, processing, storage, distribution, consumption, drainage and other handling of wastewater, including the water re-use in repeated, cascaded and recycled ways. The scope of ISO/PC 253 (Treated wastewater re-use for irrigation) is merged into the proposed new committee.

Excluded:

- the limit of allowable water quality in water re-use, which should be determined by the governments, WHO and other relevant competent organizations.
- any aspects which are not specific to water re-use, such as:
 - management of drinking water and wastewater utilities, which is covered by TC 224,
 - methods for the measurement of water quality, which are covered by TC 147.

Organizations interested in obtaining additional information about these new committees should contact ANSI at isot@ansi.org.

ISO/PC 283 – Occupational health and safety management systems – Requirements

A new ISO Project Committee ISO/TC 283 Occupational health and safety management systems – Requirements has been formed. The Secretariat has been allocated to BSI (United Kingdom). The American Society of Safety Engineers (ASSE) has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG). The scope of ISO/PC 283 is as follows:

Standardization in the field of Occupational health and safety management systems – Requirements.

Organizations interested in obtaining additional information about these new committees should contact ANSI at isot@ansi.org.

ISO/PC 284 – Management System for Quality of Private Security Company (PSC) Operations – Requirements with Guidance

A new ISO Project Committee ISO/PC 284 – Management System for Quality of Private Security Company (PSC) Operations – Requirements with Guidance has been formed. The Secretariat has been allocated to ANSI (United States). ASIS International has indicated its intent to submit an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) and assume the role of delegated Secretariat. The scope of ISO/PC 284 is as follows:

Standardization in the field of Management System for Quality of Private Security Company (PSC) Operations – Requirements with Guidance

Organizations interested in obtaining additional information about these new committees should contact ANSI at isot@ansi.org.

ISO/TC 285 – Clean Cookstoves and Clean Cooking Solutions

A new ISO Technical Committee ISO/TC 285 - Clean cookstoves and clean cooking solutions has been formed. The Secretariat has been allocated to ANSI (United States) and KEBS (Kenya) as part of a twinning arrangement. ANSI, in partnership with the UN Foundation's Global Alliance for Clean Cookstoves, will be serving as the US/TAG Administrator and TC Secretariat. The scope of ISO/TC 285 is as follows:

Standardization in the field of clean cookstoves and clean cooking solutions.

Organizations interested in obtaining additional information about these new committees should contact ANSI at isot@ansi.org.

International Electrotechnical Commission (IEC)

New Subcommittee

IEC/SC 8A – Grid Integration of Large-Capacity Renewable Energy (RE) Generation

Comment Deadline: August 30, 2013

IEC approves a new subcommittee reporting to IEC/TC 8: IEC/SC 8A – Grid Integration of Large-capacity Renewable Energy (RE) Generation.

Draft Scope: Terms and definitions, renewable resource evaluation and generation prediction, general requirements of grid connection, planning and design, grid compliance test and evaluation, operation and maintenance, system-wide control and protection, analysis and assessment.

The U S National Committee has indicated its wishes to register as a Participating Member and intends to actively participate. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established and a TAG Administrator will have to be assigned. If any entities are interested in the position of TAG Administrator, they are invited to contact Tony Zertuche, USNC Deputy General Secretary, tzertuche@ansi.org, by Friday, August 30, 2013.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO/TC 282 – Water Re-Use

Comment Deadline: August 12, 2013

The American Society of Plumbing Engineers (ASPE) has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO/TC 282, Water re-use and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Ms. Gretchen Pienta, Director of Publications and Standards, American Society of Plumbing Engineers, 6400 Shafer Court, Suite 350, Rosemont, IL 60018; phone: 708.426.5427; e-mail: gpienta@aspe.org. Please forward any comments on this application to ASPE, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (fax: 212.840-2298; e-mail: jthompso@ansi.org) by August 12, 2013.

Reaccreditation

U.S. TAG to ISO/TC 207 – Environmental Management

ANSI's Executive Standards Council has approved the reaccreditation of the U.S. TAG to ISO/TC 207, Environmental Management under revised TAG operating procedures, effective July 10, 2013. For additional information, please contact the TAG Administrator: Ms. Jennifer Admussen, Standards Manger, ASQ, 600 North Plankinton Avenue, Milwaukee, WI 53201; phone: 800.248.1946, ext. 7736; e-mail: standards@asq.org.

Information Concerning

International Organization for Standardization (ISO)

Call for Comments

ISO/TMB – Standards under Systematic Review

Every International Standard published by ISO shall be subject to systematic review in order to determine whether it should be confirmed, revised/amended, converted to another form of deliverable, or withdrawn at least once every five years.

ISO has launched Systematic Review ballots on the following standards that are the responsibility of the ISO/TMB:

- **ISO 310:1992 (Ed 3, vers 4)**, Manganese ores and concentrates -- Determination of hygroscopic moisture content in analytical samples -- Gravimetric method
- **ISO 312:1986 (Ed 3, vers 4)**, Manganese ores -- Determination of active oxygen content, expressed as manganese dioxide -- Titrimetric method
- **ISO 554:1976 (vers 6)**, Standard atmospheres for conditioning and/or testing -- Specifications
- **ISO 4293:1982 (vers 3)**, Manganese ores and concentrates -- Determination of phosphorus content -- Extraction-molybdovanadate photometric method
- **ISO 4296-1:1984 (vers 3)**, Manganese ores -- Sampling -- Part 1: Increment sampling
- **ISO 4571:1981 (vers 5)**, Manganese ores and concentrates -- Determination of potassium and sodium content -- Flame atomic emission spectrometric method
- **ISO 5890:1981 (vers 5)**, Manganese ores and concentrates -- Determination of silicon content -- Gravimetric method
- **ISO 6129:1981 (vers 5)**, Chromium ores -- Determination of hygroscopic moisture content in analytical samples -- Gravimetric method
- **ISO 6130:1985 (vers 3)**, Chromium ores -- Determination of total iron content -- Titrimetric method after reduction
- **ISO 7990:1985 (vers 3)**, Manganese ores and concentrates -- Determination of total iron content -- Titrimetric method after reduction and sulfosalicylic acid spectrophotometric method
- **ISO 8530:1986 (vers 4)**, Manganese and chromium ores -- Experimental methods for checking the precision of sample division
- **ISO 8542:1986 (vers 4)**, Manganese and chromium ores -- Experimental methods for evaluation of quality variation and methods for checking the precision of sampling

As there is no accredited U.S. TAG to provide the U.S. consensus positions on these documents, we are seeking comments from any directly and materially affected parties.

Organizations or individuals interested in submitting comments or in requesting additional information should contact ISOT@ansi.org.

Information Concerning International Electrotechnical Commission (IEC)

New Field of Technical Activity

Proposal for a new technical committee entitled “Switchgear and controlgear and their assemblies for low voltage”

Comment Deadline: August 30, 2013

The IEC National Committees have been invited to vote before September, 6, 2013 on a proposal by IEC SC17B and IEC SC17D Secretaries for a New Field of Technical Activity – Electrical Energy Storage (EES) Systems.

Draft Scope: To prepare international standards for low-voltage switchgear and controlgear equipment for industrial, commercial and similar use rated below or equal to 1 kV a.c. and 1,5 kV d.c, electromechanical as well as semiconductor (solid state) equipment. The scope includes open and enclosed separate items of equipment as well as assemblies which are the combinations of items of equipment into complete functional units.

Purpose and Justification: Introduction: After the consultation made by TC 17 (document 17/996/Q) about its structure, the resulting comments (document 17/998/RQ) have pointed the necessity for a stronger coordination between SC 17B and SC 17D which was not easy without any activities at TC 17 level. The document proposes a new organization for low voltage activities.

Business: In mature countries, most of the devices covered by SC 17B are integrated within assemblies covered by SC 17D. Continued effort is required to ensure wider adoption of the standards in less developed markets and countries. The market trend is to optimise solutions in terms of functions and performance, at a high level of safety for each domain of application, for example: infrastructure, building, machinery, etc. This implies a stronger coordination between component and assembly standards committees, especially for new industrial applications, such as PV, windmills, etc.

Technology: The new trends are the incorporation of more electronic parts in switchgear, of more IT subsystems integrated in assemblies, of DC power supply distribution and of aluminum conductors. These are the challenges for future common rules in SC 17B and SC 17D.

The U S National Committee has been invited to indicate if it agrees with the scope proposed for this new IEC TC, if it wishes to register as a Participating Member and if it intends to actively participate. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established and a TAG Administrator will have to be assigned. If any entities are interested in the position of TAG Administrator, they are invited to contact by FRIDAY, AUGUST 30, 2013, Tony Zertuche, USNC Deputy General Secretary, at tzertuche@ansi.org.

Information Concerning International Electrotechnical Commission (IEC) New Field of Technical Activity Proposal for a new technical committee on UHV AC transmission systems

Comment Deadline: August 30, 2013

The IEC National Committees have been invited to vote before September 6, 2013 on a proposal from the Chinese National Committee for a New Field of Technical Activity – UHV AC transmission systems.

Draft Scope: Standardization in the field of AC transmission technology at 1000 kV and above, comprising systems-oriented guidance such as that for planning, design aspects, technical requirements, construction, commissioning, reliability, availability, operation and maintenance. Processes for specifying requirements and demonstrating whether the required performance of UHV systems is assured.

Responsibility for equipment standards remains with product TCs, except for specific equipment which is not within the scope of an existing TC but is nevertheless essential for the UHV transmission system. The UHV AC Transmission TC will consult and coordinate with the product TCs in all systems-related aspects of equipment standards.

The U S National Committee has been invited to indicate if it agrees with the scope proposed for this new IEC TC, if it wishes to register as a Participating Member and if it intends to actively participate. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established and a TAG Administrator will have to be assigned. If any entities are interested in the position of TAG Administrator, they are invited to contact by FRIDAY, AUGUST 30, 2013, Tony Zertuche, USNC Deputy General Secretary, at tzertuche@ansi.org.

ASME B31E-2008

20XX

Proposed Revision of:

Standard for the Seismic Design and Retrofit of Above-Ground Piping Systems

ASME Code for Pressure Piping, B31

TENTATIVE
SUBJECT TO REVISION
OR WITHDRAWAL
Specific Authorization Required
for Reproduction or Quotation
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DRAFT 04/15/13

AN AMERICAN NATIONAL STANDARD



**The American Society of
Mechanical Engineers**



ASME B31E-2008

20XX

STANDARD FOR THE SEISMIC DESIGN AND RETROFIT OF ABOVE-GROUND PIPING SYSTEMS

and retrofit

1 PURPOSE

This Standard establishes a method for the seismic design of above-ground piping systems in the scope of the ASME B31 Code for Pressure Piping.

1.1 Scope

This Standard applies to above-ground, metallic piping systems in the scope of the ASME B31 Code for Pressure Piping (B31.1, B31.3, B31.4, B31.5, B31.8, B31.9, B31.11). The requirements described in this Standard are valid when the piping system complies with the materials, design, fabrication, examination, testing, and inspection requirements of the applicable ASME B31 Code section.

B31.12

1.2 Terms and Definitions

active components: components that must perform an active function, involving moving parts or controls during or following the earthquake (e.g., valves, valve actuators, pumps, compressors, and fans that must operate during or following the design earthquake).

axial seismic restraint: seismic restraint that acts along the pipe axis.

critical piping: piping system that must remain leak tight or operable (see definitions) during or following the earthquake.

design earthquake: the level of earthquake for which the piping system is to be designed for to perform a seismic function (position retention, leak tightness, or operability).

ductile piping system: in the context of this Standard for seismic qualification, ductile piping system refers to a piping system where the piping, fitting, and components are made of material with a minimum elongation at rupture of 15% at the temperature concurrent with the seismic load.

free-field seismic input: the ground seismic input at the facility location.

in-structure seismic input: the seismic excitation within a building or structure, at the elevation of the piping system attachments to the building or structure.

lateral seismic restraints: seismic restraints that act in a direction perpendicular to the pipe axis.

leak tightness: the ability of a piping system to prevent leakage to the environment during or following the earthquake.

noncritical piping: piping system other than critical piping that nevertheless must meet the requirements for position retention.

operability: the ability of a piping system to deliver, control (throttle), or shut off flow during or after the design earthquake.

position retention: the ability of a piping system not to fall or collapse in case of design earthquake.

seismic design: the activities necessary to demonstrate that a piping system can perform its intended function (position retention, leak tightness, operability, or a combination) in case of design earthquake.

seismic function: a function to be specified by the engineering design either as position retention, leak tightness, or operability, or a combination.

seismic interactions: spatial or system interactions with other structures, systems, or components that may affect the function of the piping system.

seismic response spectra: a plot or table of accelerations, velocities, or displacements versus frequencies or periods.

seismic restraint: a device intended to limit seismic movement of the piping system.

seismic retrofit: the activities involved in evaluating the seismic adequacy of an existing piping system and identifying the changes or upgrades required for the piping system to perform its seismic function.

seismic static coefficient: acceleration or force statically applied to the piping system to simulate the effect of the earthquake.

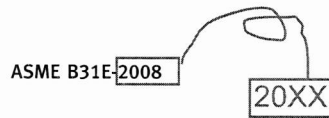
1.3 Required Input

(a) The scope and boundaries of piping systems to be seismically designed or retrofitted.

(b) The applicable ASME B31 Code section.

(c) The classification of piping as critical or noncritical, and the corresponding seismic function (position retention for noncritical systems; degree of leak tightness, operability, or both for critical systems).

in order

**Table 1 Seismic Design Requirements, Applicable Sections**

Acceleration	Noncritical Piping		Critical Piping	
	NPS (DN) ≤ 4 (100)	NPS (DN) > 4 (100)	NPS (DN) ≤ 4 (100)	NPS (DN) > 4 (100)
$a \leq 0.3 g$	NR section 4 (interactions)	NR section 4 (interactions)	DR para. 3.3 (rule) para. 3.6 (mech. joints) para. 3.7 (restraints) section 4 (interactions)	DA para. 3.4/3.5 (analysis) para. 3.6 (mech. joints) para. 3.7 (restraints) para. 3.8 (components) section 4 (interactions)
$a > 0.3 g$	NR section 4 (interactions)	DR para. 3.3 (rule) para. 3.6 (mech. joints) para. 3.7 (restraints) section 4 (interactions)	DA para. 3.4/3.5 (analysis) para. 3.6 (mech. joints) para. 3.7 (restraints) para. 3.8 (components) section 4 (interactions)	DA para. 3.4/3.5 (analysis) para. 3.6 (mech. joints) para. 3.7 (restraints) para. 3.8 (components) section 4 (interactions)

a = peak spectral acceleration, largest in any of the three directions, including in-structure amplification, g
 DA = design by analysis
 DR = design by rule
 NPS = nominal pipe size, in.
 NR = explicit seismic analysis is not required, provided the piping system complies with the provisions of the applicable ASME B31 Code section, including design for loading other than seismic

DN = Nominal Diameter

Table 2 Maximum Span, ft (m), Between Lateral Seismic Restraints for Steel Pipe With a Yield Stress of 35 ksi (238 MPa), in Water Service at 70°F (21°C)

NPS (DN)	L_r , ft (m)	Maximum Span, ft (m)				
		0.1 g	0.3 g	1.0 g	2.0 g	3.0 g
1 (25)	7 (2.1)	24 (7.2)	18 (5.4)	13 (3.9)	11 (3.3)	9 (2.7)
2 (50)	10 (3)	34 (10.2)	26 (7.8)	19 (5.7)	16 (4.8)	13 (3.9)
3 (80)	12 (3.6)	41 (12.3)	31 (9.3)	23 (6.9)	19 (5.7)	15 (4.5)
4 (100)	14 (4.2)	48 (14.4)	37 (11.1)	27 (8.1)	22 (6.6)	18 (5.4)
6 (150)	17 (5.1)	58 (17.4)	44 (13.2)	32 (9.6)	27 (8.1)	22 (6.6)
8 (200)	19 (5.7)	65 (19.5)	50 (15)	36 (10.8)	30 (9)	25 (7.5)
12 (300)	23 (6.9)	79 (23.7)	60 (18)	44 (13.2)	37 (11.1)	30 (9)
16 (400)	27 (8.1)	93 (27.9)	70 (21)	52 (15.6)	44 (13.2)	35 (10.5)
20 (500)	30 (9)	103 (30.9)	78 (23.4)	58 (17.4)	48 (14.4)	39 (11.7)
24 (600)	32 (9.6)	110 (33)	84 (25.2)	62 (18.6)	52 (15.6)	42 (12.6)

3.3.3 Straight pipe runs longer than three times the span of Table 2 should be restrained longitudinally.

3.3.4 The piping system should be evaluated to be sufficiently flexible to accommodate the differential movement of attachment points to the structure or the movement of equipment or headers to which the piping is attached. This evaluation may be achieved by calculating the predicted seismic plus concurrent loads movement of the structure, equipment, or header to which the pipe is connected, and verifying that the pipe spans have sufficient flexibility to sustain these movements.

3.3.5 The distance between seismic restraints should be reduced for pipe spans that contain heavy in-line components.

3.3.6 Unrestrained cantilevered pipe shall be evaluated on a case-by-case basis.

3.3.7 The effect of seismic restraints on the expansion and contraction flexibility of the piping system shall be verified in accordance with the design rules of the applicable ASME B31 Code section.

3.3.8 The designer shall identify degradation in the piping or its supports and current and anticipated degradation that could prevent the system from performing its seismic function.

3.4 Design by Analysis

Where design by analysis is required in Table 1, or where it is applied by the designer as an alternative to the rules of para. 3.3, the elastically calculated longitudinal stresses due to the design earthquake (calculated

by static or dynamic analysis) shall comply with the following equations:

$$\frac{PD}{4t} + 0.75i \frac{M_{sustained} + M_{seismic}}{Z} \leq \min [2.4S; 1.5S_Y; 60 \text{ ksi (408 MPa)}]$$

$$\frac{F_{SAM}}{A} \leq S_Y$$

A = pipe cross-sectional area, deducting corrosion/erosion allowance but not mill tolerance

D = outside pipe diameter

F_{SAM} = resultant force (tension plus shear) due to seismic anchor motion

i = stress intensification factor, from the applicable ASME B31 Code section, 0.75i cannot be less than 1

M_{seismic} = elastically calculated resultant moment amplitude due to seismic load, including inertia and relative anchor motion

M_{sustained} = elastically calculated resultant moment amplitude due to sustained loads concurrent with the seismic load

P = system operating pressure

S = ASME B31 allowable stress, at the normal operating temperature; for ASME B31.4, use 0.80 S_Y, for ASME B31.8, use FTS_Y where F = location factor, T = temperature derating factor, as defined in B31.8

S_Y = specified minimum yield stress of the material (SMYS) at the normal operating temperature

t = pipe wall thickness, deducting corrosion allowance but not mill tolerance

Z = pipe section modulus, deducting corrosion/erosion allowance but not mill tolerance, in.³

3.5 Alternative Design Methods

The piping system may be qualified by more detailed analysis techniques, including fatigue, plastic, or limit load analysis.

3.6 Mechanical Joints

For critical piping systems, the movements (rotations, displacements) and loads (forces, moments) at mechanical joints (nonwelded, nonbrazed, and nonsoldered joints) shall remain within the failure limits (for position retention) or leak tightness limits (for leak tightness and operability) specified by the owner.

3.7 Seismic Restraints

3.7.1 The seismic load on seismic restraints and their attachment to building structures or anchorage to

concrete, shall be calculated by static or dynamic analysis, and added to concurrent operating loads.

3.7.2 The seismic adequacy of seismic restraints shall be determined on the basis of vendor catalogs, and the applicable design method and standard, such as MSS SP-58 or MSS SP-69 for standard support components, AISC or AISI for steel members, and ACI for concrete anchor bolts. The qualification of seismic restraints shall also address the prevention of buckling.

3.7.3 The seismic adequacy of nonseismic restraints shall also be verified if they are expected to perform a function after the earthquake. For example, spring hangers should not be permitted to pull off the wall if they are necessary to support the pipe weight after the earthquake.

3.7.4 For lateral seismic restraints, a total diametric gap equal to 1/2 in. (12 mm) is acceptable. A gap up to 0.1D or 2 in. (50 mm), whichever is smaller, is permitted, provided the seismic load, calculated on the basis of zero gap, is multiplied by an impact factor of 2. Larger gaps or smaller impact factors may be justified by analysis or test.

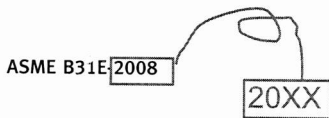
3.7.5 Short rod hangers [typically less than 12 in. (300 mm) long] may provide a restoring force that tends to limit side-sway of hung pipe, and may be considered as seismic restraints, provided they are designed to sustain the seismic loads and movements.

3.8 Equipment and Components

The seismic and concurrent loads applied by the pipe at equipment and component nozzles shall be qualified as part of the seismic design or retrofit of the piping system, to a degree commensurate with the required system function, as specified in para. 1.3.

For position retention, it is usually sufficient to show that the piping loads on equipment and components will not cause rupture. For leak tightness, the stress shall be maintained within yield or shown not to cause fatigue ruptures. For operability, the piping loads shall be kept within operability limits established by detailed analysis, testing, or similarity to seismically qualified equipment or components.

Components with unsupported extended structures, such as valves with heavy motor operators, shall be evaluated to insure that the extended structure does not fail during a seismic event. For components with unsupported extended structures, a natural frequency check shall be performed and shall be greater than 33 cps. When the natural frequency is less than 33 Hz, the component extended structure shall be stiffened as recommended by the component manufacturer.



4 INTERACTIONS

Piping systems shall be evaluated for seismic interactions. Credible and significant interactions shall be identified and resolved by analysis, testing, or hardware modification.

5 DOCUMENTATION

The engineering design shall specify the documentation to be submitted by the designer.

6 MAINTENANCE

The piping system shall be maintained in a condition that meets the seismic design requirements for the operating life of the system. In particular, changes to layout, supports, components, or function, as well as material degradation in service shall be evaluated to verify the continued seismic adequacy of the system.

7 REFERENCES

The following is a list of publications referenced in this Standard. The latest edition shall apply.

ACI 318 Building Code Requirements for Reinforced Concrete
 Publisher: American Concrete Institute (ACI), 38800 Country Club Drive, Farmington Hills, MI 48331

AISC, Manual of Steel Construction
 Publisher: American Institute of Steel Construction (AISC), One East Wacker Drive, Chicago, IL 60601-1802

AISI, Specification for the Design of Cold-Formed Steel Structural Members

Publisher: American Iron and Steel Institute (AISI), 1140 Connecticut Ave., NW, Washington, DC 20036

ASCE 7, Minimum Design Loads for Buildings and Other Structures
 Publisher: American Society of Civil Engineers (ASCE), 1801 Alexander Bell Drive, Reston, VA 20191

ASME B31.1, Power Piping

ASME B31.3, Process Piping

ASME B31.4, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids

ASME B31.5, Refrigerant Piping and Heat Transfer Components

ASME B31.8, Gas Transmission and Distribution Piping Systems

ASME B31.9, Building Services Piping

ASME B31.11, Slurry Transportation Piping Systems
 Publisher: The American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016; Order Department: 22 Law Drive, P.O. Box 2300, Fairfield, NJ 07007-2300

ICBO AC156, Acceptance Criteria for the Seismic Qualification Testing of Nonstructural Components
 Publisher: International Conference of Building Officials (ICBO), ICC Evaluation Service, 5360 Workman Mill Road, Whittier, CA 90601

MSS SP-58, Pipe Hangers and Supports—Materials, Design, and Manufacture

MSS SP-69, Pipe Hangers and Supports—Selection and Application
 Publisher: Manufacturers Standardization Society of the Valves and Fittings Industry, Inc. (MSS), 127 Park Street NE, Vienna, VA 22180

ASME B31.12, Hydrogen Piping and Pipelines

Comments on NECA 410, Standard for Installing and Maintaining Liquid-Filled Transformers

E: editorial, G: General **Note:** Please no technical comments at this time
 ID: Company with comment # (do not automate comment #)

Please do not re-size table

Page	Line	Clause	E/T/G	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution
		5.4.2 D	G	Henn Rebane, P.E.	Consider deleting "after loading transformer ..." Typically, the load at that point in the construction process is not typical of load size and load balance after owner's occupancy. See my comment regarding 7.3C.	Set taps at value recommended by the utility, If the loads are stabilized at that point, taps should be set as required by	Accepted.
		7.3 C	G	Henn Rebane, P.E	Consider measuring secondary voltage and load balance at this point in the construction process. Adjust taps if indicated. Require that secondary voltage and amperage be recorded over a 30-day period, generally as provided for in NEC 220.87		Accepted.
		1.3 A	G	Henn Rebane, P.E	Consider adding NESC compliance.as a requirement. Include a statement regarding the relationship between NEC and NESC.		Accepted. As revised the scopes of both NEC and the NESC applied accordingly to equipment cover by the standard.

Comments on NECA 410, Standard for Installing and Maintaining Liquid-Filled Transformers

E: editorial, G: General **Note:** Please no technical comments at this time
 ID: Company with comment # (do not automate comment #)

Please do not re-size table

Page	Line	Clause	E/T/G	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution
.9.7		G. Compare results with prior test results, factory test results, and results from identical transformers. Test results, after adjusting for temperature differences using manufacturer recommended correction factors, should compare within 1% of factory obtained results and between phases of multiphase transformers. H. Investigate variations of more than 1% between phases or from historical data for the transformer. Perform dissolved gas analysis in accordance with Section 10 and consult the	E	ABB,INC	For pad mount transformers based on the LV busbar/cable lead length the resistance difference between phases could be up to 5%. The LV bus bar/leads on the left most coil inside the transformer(when looking from front of the transformer) are much longer compared to the right most coil as the LV bushing compartment is on the right of the pad mount transformer.	9.7 G) Compare results with prior test results, factory test results, and results from identical transformers. After adjusting for temperature differences using manufacturer recommended correction factors, it is recommended that the resistance results are within 1% of factory obtained results and within 5% between phases of multiphase transformers. 9.7 H) Investigate variations of more than 5% between phases or 1% from historical data for the transformer. Perform dissolved gas analysis in accordance with Section 10 and consult the transformer manufacturer for recommendations.	Accepted.

Comments on NECA 410, Standard for Installing and Maintaining Liquid-Filled Transformers

E: editorial, G: General **Note:** Please no technical comments at this time
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Please do not re-size table

Page	Line	Clause	E/T/G	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution
9.8/E		Power factor should be 1 percent or less; investigate measurements greater than 1 percent. If power factor is above 2 percent, remove the transformer from service. Consult the manufacturer for recommendations.		ABB,INC	Power factor varies significantly with change in temperature of the transformer.	Recommended power factor value for a new transformer is 1.5 percent or less; investigate measurements greater than 1.5 percent. If power factor is above 3 percent, consult the manufacturer for recommendations.	Accepted.
9.10 I		Limit dc high potential test voltages to 100 percent of factory ac test values for one minute.		ABB,INC	<i>DC hipot test is not applicable per IEEE/ANSI standards c57.12.00</i>	Remove line 9.10 I	Accepted.

Comments on NECA 410, Standard for Installing and Maintaining Liquid-Filled Transformers

E: editorial, G: General **Note:** Please no technical comments at this time
 ID: Company with comment # (do not automate comment #)

Please do not re-size table

Page	Line	Clause	E/T/G	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution
13	I		E	IAEI	Clarify reading of sentence	<p>Edit Existing Text.</p> <p>Existing Text:</p> <p>Do not install washers between the cable terminal lug and the terminal spade that may increase connection impedance and heating, and may increase the likelihood of connection failure.</p> <p>New:</p> <p>Do not install washers between the cable terminal lug and the terminal spade. This may increase connection impedance and heating and may also increase the likelihood of connection failure.</p>	Accepted.

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See updated tables following this cover page.

Table 2 – Minimum number of test specimens for a sample

Test	Number of specimens
acetone	1
burst pressure	5
crush	1
deflection load and crush resistance	3
degree of crosslinking	1
elongation (microtensile)	2
environmental stress crack resistance	
materials tests	10
pipe tests	6
flattening	3
impact	10
pipe stiffness	3
stabilizer functionality	2
sustained pressure	6
tup puncture resistance	3

Table 6 – ABS fitting test frequency

Test	DWV	Sewer	Well casing
burst pressure	—	—	—
crush ¹	824 h	—	—
deflection load and crush resistance	—	—	annually
dimensions			
body wall thickness	weekly	weekly	weekly
socket bottom avg. diameter and out of roundness ²	24 h	24 h	24 h
socket entrance avg. diameter and out of roundness ²	24 h	24 h	24 h
socket depth ^{2,5}	(see footnotes 2, 5)	(see footnotes 2, 5)	(see footnotes 2, 5)
socket wall thickness	weekly	weekly	weekly
spigot ends of fittings, min. wall thickness	weekly	weekly	weekly
spigot ends of fittings, avg. diameter and out of roundness ³	24 h	24 h	24 h
thread length ⁵	(see footnote 5)	(see footnote 5)	(see footnote 5)
thread gauge	24 h	—	24 h
flattening	annually	—	—
impact @ 22.8 °C (73 °F) ⁴	weekly	weekly	—
joint tightness	—	annually	—
pipe stiffness	annually	—	—
socket concentricity	—	—	annually

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tup puncture resistance	—	—	annually
product standards	ASTM D2661 CSA B181.1	ASTM D2751	ASTM F480
<p>¹ This requirement applies only to products produced under CSA B181.1. All other DWV QC requirements apply only to products produced under ASTM D2661.</p> <p>² Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all mold cavities to verify.</p> <p>³ Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all mold cavities to verify.</p> <p>⁴ Toilet flanges listed to D 2661 and CSA B181.1 are exempt from the QC requirements of crush and impact.</p> <p>⁵ Socket depth and thread length are only required to be verified at the time a new tool is “qualified” or when new or repaired cores are made.</p>			

Table 9 – CPVC fittings test frequency

Test	Frequency
burst pressure ^{1,7}	weekly
dimensions	
body wall thickness	weekly
socket bottom avg. diameter and out of roundness ²	weekly
socket entrance avg. diameter and out of roundness ²	24 h
socket depth ^{2,5}	24 h
socket wall thickness	weekly
spigot ends of fittings, min. wall thickness	weekly
spigot ends of fittings, avg. diameter and out of roundness ⁴	weekly
thread length ^{5,6}	(see footnotes 5, 6)
thread gauge	24 h
sustained pressure pipe and fittings assemblies ³	annually
thermocycling ³	annually
product standards	ASTM D2846 ASTM F437 ASTM F438 ASTM F439 CSA B137.6
<p>¹ Applies only to products produced under ASTM F437, ASTM F438, and ASTM F439.</p> <p>² Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and appropriate testing on all products from all mold cavities to verify compliance with the referenced standard.</p> <p>³ Applies only to products produced under ASTM D2846 and CSA B137.6 as referenced in 2 in this Standard.</p> <p>⁴ Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all cavities to verify.</p> <p>⁵ Applies only to molded fittings.</p> <p>⁶ Socket depth and thread length are only required to be verified at the time a new tool is “qualified” or when new or repaired cores are made.</p> <p>⁷ Burst pressure requirement does not apply to reducer bushings.</p> <p>NOTE - No point anywhere along the length of the spigot shall the O.D. be allowed to fall below the minimum for equivalent size pipe.</p>	

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Table 13 – PVC fittings and pipe bell ends test frequency

Test	Potable water	DWV ¹	Sewer ²	Well casing	PSM sewer fittings	Pipe bell ends
acetone	—	—	24 h	—	—	—
burst pressure ⁸	weekly	—	—	—	—	weekly
deflection load and crush resistance	—	annually	—	annually	—	—
dimensions						
body wall thickness	weekly	weekly	weekly	weekly	—	—
socket bottom avg. diameter and out of roundness ³	24 h	24 h	24 h	24 h	24 h	start-up
socket entrance avg. diameter and out of roundness ³	24 h	24 h	24 h	24 h	24 h	start-up
socket depth ^{3,7}	24 h	24 h	24 h	24 h	24 h	start-up
socket wall thickness	weekly	weekly	weekly	weekly	weekly	start-up
spigot ends of fittings: min wall thickness	weekly	weekly	weekly	weekly	—	—
spigot ends of fittings: avg. diameter and out of roundness ⁵	24 h	24 h	24 h	24 h	—	—
thread length ⁷	(see footnote 7)	(see footnote 7)	(see footnote 7)	(see footnote 7)	—	—
thread gauge	24 h	24 h	—	24 h	—	—
flattening	—	annually	—	—	—	—
heat reversion ⁴	—	8 h	—	—	—	—
impact @ 22.8 °C (73 °F) ⁶	—	weekly	—	—	monthly	—
joint tightness	—	—	—	—	—	annually
tup puncture resistance	—	—	—	annually	—	—
threaded joint strength (hydrostatic)	—	—	—	weekly	—	—
product standards	ASTM D2464 ASTM D2466 ASTM D2467	ASTM D2665 ASTM D2949 CSA B181.2	ASTM D2729 ASTM D3034	ASTM F480	ASTM F1336	ASTM D2672 ASTM D3139 ASTM D3212

¹ Flattening applies only to products produced under ASTM D2949 as referenced in 2 of this Standard.

² Acetone applies only to products produced under ASTM D2729 as referenced in 2 of this Standard.

³ Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all mold cavities to verify compliance with the referenced standard.

⁴ This requirement applies only to products produced under CSA B181.2.

⁵ Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all cavities to verify.

⁶ Toilet flanges listed to ASTM D2665, D2949 and CSA B181.2 are exempt from the QC requirements of crush and impact.

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⁷ Socket depth and thread length are only required to be verified at the time a new tool is “qualified” or when new or repaired cores are made.

⁸ Burst pressure requirement does not apply to reducer bushings.

NOTE - No point anywhere along the length of the spigot shall the O.D. be allowed to fall below the minimum for equivalent size pipe.

Table 16 – Corrosive waste Drainage Systems (Pipe)

Test	Frequency
dimensions	
out of roundness	2 h
outside diameter	2 h
wall thickness	2 h
flattening	annually
impact resistance	24 h
water adsorption	annually
chemical resistance	annually
hydrostatic pressure test	annually
mechanical joint pull-out test	annually
Product standard	ASTM F1412, ASTM F1673, ASTM F2618 CSA B181.3

Table 17 – Corrosive waste Drainage Systems (Fitting)

Test	Frequency
dimensions	
out of roundness	24 h
outside diameter	24 h

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wall thickness	24 h
socket bottom avg. diameter and out of roundness ¹	24 h
socket depth ^{1,3}	24 h
socket entrance avg. diameter and out of roundness ¹	24 h
spigot ends of fittings avg. diameter and out of roundness ²	(see note 3)
spigot ends of fittings min. wall thickness	weekly
thread gauge	24 h
thread length ³	24 h
impact resistance	24 hour
water adsorption	annually
chemical resistance	annually
hydrostatic pressure test	annually
mechanical joint pull-out test	annually
Product standard	ASTM F1412, ASTM F1673, ASTM F2618 CSA B181.3

¹ Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all mold cavities to verify compliance with the referenced standard.

² Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all cavities to verify.

³ Socket depth and thread length are only required to be verified at the time a new tool is “qualified” or when new or repaired cores are made.

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2.1 Normative references for plastic pipe and related components

ASME A112.4.14-2004. *Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems*
Reason: This addresses issue paper 2012-1.

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9.2 Start-up and qualification of molds

In each case, with the exception of annual and semi-annual tests, the frequency of testing indicated in 9.9 shall be interpreted as follows: the indicated tests shall be performed at the start-up of any production operation, on each extruder or injection molder, and continued until a steady-state operation that meets the test requirement is obtained. The test shall be repeated at the required frequency until there is a change in the steady-state operation. When there is a change in operation, testing shall be conducted continuously until a new steady-state operation is achieved. After a steady-state operation is attained, the applicable testing frequencies shown in 9.9 shall resume.

Mold qualification as discussed in this section shall be defined as molds that produce precise functional finish dimensions not otherwise obtained by an additional manufacturing process. The test frequency indicated for fittings shall be used only after the mold has been qualified. In order for a new or retooled mold to be considered “qualified,” all products from all cavities in the mold shall attain compliance with all of the appropriate dimensions and tests. This does not include annual or semiannual tests. After qualification, the indicated test frequencies shall apply to one cavity per mold, rotating cavities within the mold, including start-ups. If any physical change is made to the mold itself, all cavities within the mold must be re-qualified.

When annual testing is required, annual testing performed by a third-party certifier shall satisfy the requirement.

Reason: This addresses issue papers 2011-3, 2011-18.

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[Note – the changes are seen below using ~~strikeout~~ for removal of old text and **gray highlights** to show the suggested text. **ONLY** the highlighted text is within the scope of this ballot.]

NSF/ANSI Standard
 for Drinking Water Treatment Units – Health Effects

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7 Elective performance claims – test methods

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7.2 Chemical reduction claims

7.2.1 Organic chemical reduction testing

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7.2.1.5 General test water

A public water supply shall be used with the following specific characteristics maintained throughout the test for contaminant reduction claims:

pH	7.5 ± 0.5
temperature	20 ± 2.5 °C (68 ± 5 °F)
total dissolved solids (TDS)	200 – 500 mg/L
total organic carbon (TOC)	> 1.0 mg/L
turbidity	< 1 NTU

NOTE— Methanol shall be used as the solvent when needed to introduce a contaminant to the test water.

Reason: Added per 2011 annual DWTU JC meeting discussion (November 10, 2011) to specify that methanol is the acceptable solvent to be used when needed.

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7.2.4 Volatile organic chemical (VOC) reduction – surrogate organic chemical testing

7.2.4.1 VOC reduction claims

Claims for chemical reduction may be made for the group of organic chemicals shown in Table 10 when tested in accordance with 7.2.4. The system shall reduce the arithmetic mean of the influent

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concentrations of chloroform at 300 ± 30 µg/L at each sample point by at least 95%.

NOTE – The use of chloroform as the surrogate is limited to systems using an activated carbon filter component to accomplish the organic chemical reduction.

Substance	Individual influent sample point limits ¹ mg/L	Average influent challenge mg/L	USEPA method(s) ²
Chloroform	$0.300 \pm 30\%$	$0.300 \pm 10\%$	502.2, 524.2, 524.3

¹ Equals average influent challenge concentration variability plus one of the following, in order of availability:

1. Acceptable Continuing Calibration Verification (CCV) limits stated in the appropriate USEPA method.
2. Acceptable spike recoveries as stated in the appropriate USEPA method.
3. Opinion of laboratory professionals – no guidance available in USEPA method.

² When more than one method is cited, either method may be used for analysis.

Reason: Added individual influent sample point limit for chloroform per 2011 annual DWTU JC meeting discussion (November 10, 2011).

Table 10 – Organic chemicals included by surrogate testing

Chemical	Drinking water regulatory level ¹ (MCL/MAC) mg/L	Influent challenge concentration ² mg/L	Chemical reduction percent	Maximum product water concentration mg/L
alachlor	0.002	0.050	> 98	0.001 ³
atrazine	0.003	0.100	> 97	0.003 ³
benzene	0.005	0.081	> 99	0.001 ³
carbofuran	0.04	0.190	> 99	0.001 ³
carbon tetrachloride	0.005	0.078	98	0.0018 ⁴
chlorobenzene	0.1	0.077	> 99	0.001 ³
chloropicrin	—	0.015	99	0.0002 ³
2,4-D	0.07	0.110	98	0.0017 ⁴
dibromochloropropane (DBCP)	0.0002	0.052	> 99	0.00002 ³
o-dichlorobenzene	0.6	0.080	> 99	0.001 ³
p-dichlorobenzene	0.075	0.040	> 98	0.001 ³
1,2-dichloroethane	0.005	0.088	95 ⁵	0.0048 ⁵
1,1-dichloroethylene	0.007	0.083	> 99	0.001 ³
cis-1,2-dichloroethylene	0.07	0.170	> 99	0.0005 ³
trans-1,2-dichloroethylene	0.1	0.086	> 99	0.001 ³
1,2-dichloropropane	0.005	0.080	> 99	0.001 ³
cis-1,3-dichloropropylene	—	0.079	> 99	0.001 ³
dinoseb	0.007	0.170	99	0.0002 ⁴
endrin	0.002	0.053	99	0.00059 ⁴
ethylbenzene	0.7	0.088	> 99	0.001 ³

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Table 10 – Organic chemicals included by surrogate testing

Chemical	Drinking water regulatory level ¹ (MCL/MAC) mg/L	Influent challenge concentration ² mg/L	Chemical reduction percent	Maximum product water concentration mg/L
ethylene dibromide (EDB)	0.00005	0.044	> 99	0.00002 ³
haloacetonitriles (HAN)				
bromochloroacetonitrile	—	0.022	98	0.0005 ³
dibromoacetonitrile	—	0.024	98	0.0006 ³
dichloroacetonitrile	—	0.0096	98	0.0002 ³
trichloroacetonitrile	—	0.015	98	0.0003 ³
haloketones (HK):				
1,1-dichloro-2-propanone	—	0.0072	99	0.0001 ³
1,1,1-trichloro-2-propanone	—	0.0082	96	0.0003 ³
heptachlor (H-34, Heptox)	0.0004	0.025	> 99	0.00001
heptachlor epoxide	0.0002	0.0107 ⁶	98	0.0002 ⁶
hexachlorobutadiene	—	0.044	> 98	0.001 ³
hexachlorocyclopentadiene	0.05	0.060	> 99	0.000002 ³
lindane	0.0002	0.055	> 99	0.00001 ³
methoxychlor	0.04	0.050	> 99	0.0001 ³
pentachlorophenol	0.001	0.096	> 99	0.001 ³
simazine	0.004	0.120	> 97	0.004 ³
styrene	0.1	0.150	> 99	0.0005 ³
1,1,1,2-tetrachloroethane	—	0.081	> 99	0.001 ³
tetrachloroethylene	0.005	0.081	> 99	0.001 ³
toluene	1	0.078	> 99	0.001 ³
2,4,5-TP (silvex)	0.05	0.270	99	0.0016 ⁴
tribromoacetic acid	—	0.042	> 98	0.001 ³
1,2,4-trichlorobenzene	0.07	0.160	> 99	0.0005 ³
1,1,1-trichloroethane	0.2	0.084	95	0.0046 ⁴
1,1,2-trichloroethane	0.005	0.150	> 99	0.0005 ³
trichloroethylene	0.005	0.180	> 99	0.0010 ³
trihalomethanes (includes):				
chloroform (surrogate chemical)				
bromoform	0.080	0.300	95	0.015
bromodichloromethane				
chlorodibromomethane				
xylenes (total)	10	0.070	> 99	0.001 ³

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Table 10 – Organic chemicals included by surrogate testing

Chemical	Drinking water regulatory level ¹ (MCL/MAC) mg/L	Influent challenge concentration ² mg/L	Chemical reduction percent	Maximum product water concentration mg/L
¹ These harmonized values were agreed upon by representatives of USEPA and Health Canada for the purpose of evaluating products to the requirements of this Standard. ² Influent challenge levels are average influent concentrations determined in surrogate qualification testing. ³ Maximum product water level was not observed but was set at the detection limit of the analysis. ⁴ Maximum product water level is set at a value determined in surrogate qualification testing. ⁵ Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point as determined in surrogate qualification testing. ⁶ The surrogate test results for heptachlor epoxide demonstrated a 98% reduction. These data were used to calculate an upper occurrence concentration that would produce a maximum product water level at the MCL.				

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7.2.4.5 General test water

A public water supply shall be used with the following specific characteristics maintained throughout the test for contaminant reduction claims:

pH	7.5 ± 0.5
temperature	20 ± 2.5 °C (68 ± 5 °F)
total dissolved solids (TDS)	200 – 500 mg/L
total organic carbon (TOC)	> 1.0 mg/L
turbidity	< 1 NTU

NOTE—Methanol shall be used as the solvent for chloroform when introduced to the test water.

Reason: Added per 2011 annual DWTU JC meeting discussion (November 10, 2011) to specify that methanol is the acceptable solvent to be used.

BSR/UL 153, Standard for Safety for Portable Electric Luminaires

1. Clarify scope exclusions and references to other lighting standards

~~1.4 These requirements do not cover Christmas tree and decorative lighting outfits, electric candles and candelabras without lamp shades, or portable luminaires with a seasonal decoration and a lamp shade of other than the open top and bottom construction, which are all covered by the Standard for Seasonal and Holiday Decorative Products, UL 588.~~

~~1.5 These requirements do not cover direct plug-in nightlights, sun and heat lamps, aquarium lamps, medical and dental lights, signs and commercial advertising displays, photographic lamps, germicidal lamps, or portable luminaires for marine use or for use in hazardous locations as defined in the National Electrical Code, ANSI/NFPA 70.~~

~~1.7 These requirements do not cover portable decorative illuminated furnishings whose primary function is not task or ambient lighting, which are all covered by the Standard for Household and Commercial Furnishings, UL 962. Examples of products covered by UL 962 are lava lamps and lighted make-up mirrors.~~

1.9 These requirements do not cover portable luminaires within the scope of the following standards:

Standard for Electric Signs, UL 48

Standard for Portable Sun/Heat Lamps, UL 482

Standard for Seasonal and Holiday Decorative Products, UL 588

Standard for Luminaires for Use in Hazardous (Classified) Locations, UL 844

Standard for Household and Commercial Furnishings, UL 962^a

Standard for Electric Aquarium Equipment, UL 1018

Standard for Amateur Movie Lights, UL 1230

Standard for Direct Plug-In Nightlights, UL 1786

^aUL 962 applies to products such as an illuminated makeup mirror or a lava lamp, where the primary function is not task or ambient lighting.

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2. Revise lamp replacement marking for screw-base fluorescent and LED luminaires

172.1.4 A portable luminaire that employs a ~~medium~~ screw base lampholder and is intended for a fluorescent self-ballasted lamp or lamp adapter shall be marked in Form A-3 with "CAUTION" and "(TO REDUCE THE) RISK OF FIRE - USE MAX(IMUM) _____ W(ATT) SELF-BALLASTED LAMP OR LAMP ADAPTER." The blank shall be no greater than the maximum incandescent lamp wattage as determined per 170.1.2. The portable luminaire is permitted to additionally be marked for use with an incandescent lamp, per 170.1.3, or with a self-ballasted LED lamp, per 172A.2.

Exception: The abbreviation "SBCFL" is permitted in lieu of the phrase "SELF-BALLASTED LAMP."

172A.2 A portable luminaire that employs a ~~medium~~ screw base lampholder and is intended for an LED self-ballasted lamp or lamp adapter shall be marked in Form A-3 with "CAUTION" and "(TO REDUCE THE) RISK OF FIRE - USE MAX(IMUM) _____ W(ATT) SELF-BALLASTED LED LAMP OR LAMP ADAPTER." The blank shall be no greater than the maximum incandescent lamp wattage as determined per 170.1.2. The portable luminaire is permitted to additionally be marked for use with an incandescent lamp, per 170.1.3, or with a self-ballasted fluorescent lamp, per 172.1.4.

Exception: The abbreviation "SBLED" is permitted in lieu of the phrase "SELF-BALLASTED LED LAMP."

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BSR/UL 676, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes

1. Non-metallic and Isolated, Low Voltage Luminaires

8.4 Low voltage luminaires

8.4.1 Luminaires rated no more than as follows and marked in accordance with 40.13 are considered low voltage luminaires for the purpose of this standard and are eligible to apply the requirements in this section:

- 15 V sinusoidal AC;
- 21.2 V peak non-sinusoidal AC;
- 30 V DC (DC interrupted at a rate from 10 - 200 hz is limited to 12.4 V).

Other requirements of this Standard apply to low voltage luminaires unless specifically exempted in this section.

8.4.2 The grounding conductor specified in 7.3 or 8.2.2, or the ground conductor termination specified in 8.3.2(b), shall not be provided on a low voltage luminaire.

8.4.3 Low voltage luminaires shall have no provision for grounding and are exempt from the requirements in Sections 18 (Position of Live Parts), 19 (Spacings), 21 (Grounding), and 22 (Bonding).

Exception: A low voltage luminaire with dead metal parts in contact with the water shall comply with the Exception to 22.1.1.

8.4.4 Low voltage luminaires are exempt from the Bonding Millivolt Drop Test (Section 34), the High Current Test (Section 35), and the Electric Shock Test (Section 37).

Exception: A low voltage luminaire with dead metal parts in contact with the water shall comply with the Bonding Millivolt Drop Test.

21.1 A luminaire with a dead-metal part is to have provision for the connection of a supply-circuit, equipment-grounding conductor.

Exception No. 1: The following components are not to be considered a dead-metal part warranting the luminaire to have provision for the connection of a supply circuit equipment grounding conductor.

- a) *The interior metal coating of lamps and*
- b) *A metal ring or similar part crimped around the jacket of a flexible cord to provide strain relief and that is subsequently encapsulated in a potting compound to a thickness of not less than 13 mm (1/2 inch).*
- c) *A metal screw or other fastener used to secure a wet-niche or no-niche luminaire to its luminaire housing or mounting bracket where the metal screw or fastener is conductively connected to the conduit and equipment-grounding conductor specified as locations 22.1.4 (b) and (c).*

Exception No. 2: A low voltage luminaire shall not have provision for connection of a supply-circuit, equipment grounding conductor.

22.1.1 Except as specified in the Exceptions to 22.1.4 and 22.1.5, all dead-metal parts shall be bonded to all supply-circuit equipment-grounding conductors.

Exception: A low voltage luminaire with no provision for a supply-circuit grounding connection, per Exception No. 2 to 21.1, but with dead metal in contact with the water shall include provision for bonding those parts to the forming shell or mounting bracket.

40.13 A luminaire rated in accordance with 8.4.1 shall be marked "For supply connection, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use." This marking shall be visible during installation.

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BSR/UL 796, Standard for Safety for Printed-Wiring Boards

1. Clarification of Printed Wiring Board Testing Requirements Specified in Section 7

7.4 A printed-wiring board requiring a maximum operating temperature (MOT) rating shall be investigated for thermal shock (Section 24), bond strength (Section 26), delamination and blistering (Section 27), ~~plating adhesion (Section 29)~~, conductive paste adhesion (Section 30) and dissimilar material thermal cycling (Section 28) if applicable based on the PWB construction, materials and end-use product application.

7.5 A printed-wiring board requiring a flammability rating shall be investigated for thermal shock (Section 24) and flammability testing (Section 25) if applicable based on the PWB construction, materials, and end-use product application.

6. Clarification of Requirements for Permanent Coating and Plugged-Hole Material Investigation Specified in Paragraph 13.1.1

13.1.1 A permanent coating, such as a solder resist, solder mask, or a protective coating applied on a printed-wiring board [including coatings applied under conductors (undercoats) or over conductors (overcoats)], shall be investigated for flammability, see Section 25. The effect on the bond strength and delamination between the conductor, the undercoat materials, and/or the base material shall be investigated for Bond Strength, Section 26 and Delamination, Section 27. The permanent coating shall have previously been evaluated in accordance with the applicable test requirements in the Standard for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed Wiring Boards, UL 746E ~~based on the construction, materials, and application.~~

7. Clarification of Requirements for CTI Evaluations Specified in Paragraph 17.6.3

17.6.3 ~~The performance profile indexing values, including CTI, HAI, HWI, etc. of Direct support of current carrying parts shall be determined in accordance with 9.3.1 for the combination of generically dissimilar dielectric materials shall be assigned based on the performance index values of the lowest rated material within the combination.~~

8. Clarify Requirements for Data Collection in Section 22

22.6 The build up thickness of the uncoated flammability sample shall be determined by measuring the sample thickness on the sample. The build up thickness of the bond

strength, delamination, conductive paste adhesion, dielectric crossover (withstand), and silver migration test samples shall be determined by measuring the sample thickness, where no conductor material resides on the internal or and external surfaces of the sample construction.

10. Clarification of Requirements for Plating Adhesion Specified in Paragraph 29.3

29.3 Pressure sensitive cellophane tape, 13 mm (0.5 inch) or 25 mm (1.0 inch) wide minimum width, with an adhesion of 0.38 ± 0.055 N/mm (35 \pm 5 ounces per inches) as determined by the Standard Test Method for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications, ASTM D 1000, shall be used for this test.

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BSR/UL 1439, Standard for Tests for Sharpness of Edges on Equipment

1. Alternate Sensing Tapes and Revised Tape Properties

Table 5.1

Average values of tapes-dimensions and properties

	Indicating tape ^a	Sensing tape No. 2 ^b	Sensing tape No. 1 ^c
Thickness	0.045 - 0.080 inch	0.025 - 0.040 inch	total with adhesive backing: 0.0045 (0.114 mm)
	(1.14 - 2.03 mm)	(0.64 - 1.02 mm)	backing: 0.0025 - 0.0035 inch
			(0.064 - 0.089 mm)
Density	46 <u>25 - 27</u> lbs/cubic foot	14 - <u>20</u> lbs/cubic foot	-
	(<u>256 400 - 433</u> kg/cubic meter)	(<u>224 - 321</u> kg/cubic meter)	
Tensile	110 lbs/inch ²	55 lbs/inch ²	16 lbs/inch ²
	(758 kN/m ²)	(379 kN/m ²)	(110 kN/m ²)
	(ASTM D 412-98a(2002)e1 ^d , Die A)	["T" Block, Jaw 12 inches/min. (305 mm/minute)]	(ASTM D 1000-99 ^e)
Elongation, percent	370	-	275
	(ASTM D 412-98a(2002)e1 ^d , Die A)		(ASTM D 1000-99 ^e)
Dielectric Strength (ASTM D 1000-99 ^e)	200 - 250 Volts/Mils	-	9000 Volts
Temperature Resistance (continuous)	175°F (80°C)	150°F (65°C)	356°F (180°C)
Compression Deflection @ 25 percent (ASTM D 1056-00 ^f)	13 psi (90 kN/m ²)	-	-

Compression Modules @ 25 percent	-	8.5 psi (59 kN/m ²)	-
Compression Set percent loss of original height			
Per ASTM D 1056-00 ^f	3 percent	-	-
Per ASTM D 1667-97 ^g	-	3.9 percent	-
<p>^a 3M Company Type 4516 or any other tape having the properties in Table 5.1 meets the intent of the requirements.</p>			
<p>^b 3M Company Type 4432, TapeCase Ltd. Type VF 32, or Press-On Inc. Type VF 20103, or any other tape having the properties in Table 5.1 meets the intent of the requirements.</p>			
<p>^c Saint Gobain Company #2045-3 or any other tape having the properties in Table 5.1 meets the intent of the requirements.</p>			
<p>^d The title of ASTM D 412-98a(2002)e1 is " Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension."</p>			
<p>^e The title of ASTM D 1000-99 is " Standard Test Method for Pressure Sensitive Adhesive Coated Tapes Used for Electrical and Electronic Applications."</p>			
<p>^f The title of ASTM D 1056-00 is " Standard Specification for Flexible Cellular Materials – Sponge or Expanded Rubber."</p>			
<p>^g The title of ASTM D 1667-97 is " Standard Specification for Flexible Cellular Materials – Vinyl Chloride Polymers and Copolymers (Closed – Cell Foam)."</p>			

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BSR/UL 2238, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution

1. Addition of an exception to the jacket retention test.

27 Jacket Retention Test

27.1 For devices molded onto jacketed cord, there shall not be fillers, separators, insulation, or bare conductors visible at the point where the cord enters the fitting as a result of the test described in 27.2-27.5. A male cable fitting or female cable fitting of a cable assembly shall retain the jacket of the flexible cord to which it is molded.

Exception: This requirement does not apply to devices employing other than 18, 16 or 14 AWG (0.82, 1.3, 2.1 mm²) conductors of the flexible cord.

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BSR/UL 8752, Standard for Safety for Organic Light Emitting Diode (OLED) Panels

1. Limit the scope of the standard to lighting applications

1.1 These requirements apply to organic lighting emitting diode (OLED) panels intended for task, ambient, or aesthetic illumination, and for portable or permanent installation in accordance with the following standards, and for connection to isolated (non-utility connected) power sources such as generators, batteries, fuel cells, solar cells, and the like, in accordance with the:

In Canada:

Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, CSA C22.1,

In the United States:

National Electrical Code (NEC), ANSI/NFPA 70.

2. Clarify polymeric materials - Relative Thermal Index requirements for larger OLED panels

9.1 An exterior polymeric material of more than 161 cm² (25 in²) contiguous exposed surface area shall be rated minimum HB flammability, ~~and have a mechanical with impact and an electrical relative thermal index (RTI), or a generic thermal index as specified in the following standards that are equal to or greater than the temperature measured during the Temperature Test, Section 19:~~

In Canada:

~~Standard for Evaluation of Properties of Polymeric Materials, CAN/CSA C22.2 No. 0.17;~~

In the United States:

~~Standard for Polymeric Materials—Use in Electrical Equipment Evaluations, UL 746C.~~

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Table 3
Maximum surface temperatures
(Reference: Clause 19.1)

Materials and components parts	°C	(°F)
1. Electrical insulation (conductors, printed wiring boards, etc.)	60 ^a	(140) ^a
2. Electronic components (diodes, transistors, capacitors, etc.)	75 ^a	(167) ^a
3. Polymeric or cellulosic material	90 ^b	(194) ^b
4. Surfaces adjacent to or upon which the panel may be mounted in service	90 ^c	(194) ^c
5. Input supply terminals ^d	75 ^a	(167) ^a
6. Supply wire connections	60 ^e	(140) ^e
7. Fuse clip with rated fuse installed	110	(230)
8. Sealing compound	f	f
^a This limitation does not apply to insulating materials or electronic components that have been investigated and found suitable for a higher temperature.		
^b The maximum temperature of a polymeric material, when corrected to a 25°C (77°F) ambient temperature, shall not exceed the generic or relative temperature index specified in 9.4 the Standard for Evaluation of Properties of Polymeric Materials, CSA C22.2 No. 0.17, or the Standard for Polymeric Material Long-Term Property Evaluations, UL 746B.		
^c 150°C (302°F) for an OLED panel marked for use only on non-combustible surfaces, per 27.3.		
^d The temperature on a wiring terminal or lug is measured at the point most likely to be contacted by the insulation of a conductor installed as in actual service.		
^e Unless the equipment is marked for use with 75°C or 90°C supply wire.		
^f No limit for thermoset material. For other sealing compound materials, the maximum temperature, when corrected to a 25°C (77°F) ambient temperature, is 15°C (27°F) less than the softening point of the compound as determined in the Standard Test Methods for Softening Point of Resins Derived from Naval Stores by Ring-and-Ball Apparatus, ASTM E28.		

3. Allow for more than one power input connector in OLED panels

12.5 An OLED panel shall be provided with no more than one electrical power input for field connection. Additional connections for control circuitry are permitted.

Exception: More than one power input connection is permitted if the circuitry limits total OLED panel power consumption to no more than the marked ratings, per 26.3.

4. Provide alternate method for secureness of soldered printed wiring board connections

14.1 A soldered wire connection shall be made mechanically secure before being soldered, using one or more of the following techniques:

- a) A minimum of one full wrap around a terminal;
- b) Insertion into a U- or V- shaped slot in a terminal;
- c) Twisted together with other conductors;
- d) For a lead integral with a component, inserted through an opening of a printed wiring board; or
- e) For a lead not integral with a component, passed through an opening of a printed wiring board and bent 90 degrees or covered with epoxy, silicone, or potting compound after soldering.

5. Eliminate dual language for electrical input rating

26.3 An OLED panel shall be legibly and permanently marked with its electrical input ratings:

~~In Canada:~~

~~In English: voltage, frequency (Hz or dc), current, and watts; and~~

~~In French: tension, fréquence [Hz ou c.c.], courant et puissance en watts.~~

~~In the United States:~~

~~Voltage, frequency (Hz or dc), current, and watts.~~

Polarity for the connections shall be clearly indicated.

Exception: An OLED panel intended for use only with one or more specific low voltage power source(s) is permitted to identify the power source by manufacturer and model number, in lieu of the electrical input rating.