ANSI STANDARDS ACTION

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Contents

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

ISSN 0038-9633

Comment Deadline: June 7, 2015

BPI (Building Performance Institute)

Revision

BSR/BPI 2400-S-201x, Standard Practice for Standardized Qualification of Whole-House Energy Savings Predictions by Calibration to Energy Use History (revision of ANSI/BPI 2400-S-2012)

Specifies the requirements and process for the calculation of standardized predicted savings: a difference (delta simulation) between the modeled energy usage before an energy upgrade (or set of upgrades) and modeled energy use after an upgrade (or set of upgrades), using approved building energy simulation software. Applies to existing detached single-family dwellings and townhouses that meet specific criteria.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Carson, (877) 274 -1274, standards@bpi.org

ISEA (International Safety Equipment Association)

Revision

BSR/ISEA Z308.1-201x, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2014)

Addresses technical issue regarding criteria for splints (Section 6.17) and requirements for first-aid kit labeling.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Cristine Fargo, (703) 525 -1695, cfargo@safetyequipment.org

NSF (NSF International)

Revision

BSR/NSF 223-201x (i5r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60-Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 223 -2013)

This Standard establishes minimum requirements for certification bodies to be used when certifying products to ANSI/NSF 60, Drinking Water Treatment Chemicals - Health Effects. These requirements are supplemental to those contained in ISO Guide 65 or ISO 17020 and do not replace the requirements of either ISO standard. By specifying this Standard, users of product certifications can communicate their expectation that certification activities addressed herein are performed in the particular manner described.

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 132-201X, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (Proposals dated 5/8/15) (revision of ANSI/UL 132-2015)

Moist Ammonia-Air Stress Cracking Test, Revised 6.9 and Section 16.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (408) 754 -6684, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2014b)

The intent of this proposal for UL 778 is to clarify the requirements for gaskets and seals not subject to flexing.

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 1769-201x, Standard for Safety for Cylinder Valves (revision of ANSI/UL 1769-2014)

This proposal covers the addition of requirements for refrigerant.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2353-201X, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (Proposal dated 5-8-15) (revision of ANSI/UL 2353 -2013)

This recirculation provides revisions to the UL 2353 proposal dated 10-17 -14.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2580-201x, Standard for Batteries for Use In Electric Vehicles (revision of ANSI/UL 2580-2013)

(1) Correction of IEC standard number; (2) Clarification of the overcharge test and revision of the Isolation Test and External Fire Exposure Test; (3) Revision of samples numbers for cell testing in 16.2 and 16.3.

Click here to view these changes in full

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

Comment Deadline: June 22, 2015

AAMI (Association for the Advancement of Medical Instrumentation)

New Standard

BSR/AAMI/ISO 15676-201x, Cardiovascular implants and artificial organs - Requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO) (new standard)

Specifies requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO). Applicable to all medical tubing intended for cardiopulmonary bypass (CPB) and/or extracorporeal membrane oxygenation (ECMO), but specific requirements and tests are included for tubing intended for use with peristaltic pumps during (short-term, i.e., < 6 h duration) CPB surgery, or (long-term, i.e., > 24 h) ECMO procedures. The sterility and non-pyrogenicity provisions of this standard are applicable to tubing packs labeled as “sterile”.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, 703-253-8263; cbernier@aami.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR08-30-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revise guidance under section 192.112 regarding additional design requirements for alternative MAOP. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

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

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

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR08-31-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under section 192.328 regarding the construction for alternative MAOP. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR11-35-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

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

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR12-39-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under sections 192.553, 557, and 619 regarding uprating to 30% SMYS. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR12-45-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under section 192.361 regarding service lines under buildings. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR12-47-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under sections 192.709 regarding leak surveys. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR13-36-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revise guidance under section 192.517 regarding pressure testing records. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR14-07-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under sections 192.319, 321, 361, and appendix G-192-6 regarding warning tape. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR14-16-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under sections 192.917 and 937 regarding IM program evaluation. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR14-21-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under appendices G-192-9 and G-192-10 regarding test conditions for plastic lines. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR14-22-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under section 192.625 regarding odorization of gas. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR14-33-200x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1 -2015 Edition)

Revises guidance under section 192.23 regarding the reporting of excedance of MAOP. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

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APSP (Association of Pool & Spa Professionals)

New Standard

BSR/APSP/ICC/NPC 12-201X, Standard for the Plastering of Swimming Pools and Spas (new standard)

This standard covers the material and application for the plastering of cementitious finish coatings for in-ground swimming pools or other cementitious water-containment vessels. It sets forth the identification and stipulation of non-structural cementitious finish coating materials for usage in plastering of water-containment vessels, the application and finishing methodologies, based on common accepted trade practice, for the installation of non-structural cementitious interior finish coatings for water-containment vessels and more.

Single copy price: Free

Obtain an electronic copy from: shilaski@apsp.org

Order from: Susan Hilaski, (703) 838-0083 X150, shilaski@apsp.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 Access Design Safety (new standard)

This standard provides recommendations for design parameters in new grain storage bins. It applies to new corrugated and smooth wall steel bins used to store various types of free flowing grain. Excluded from this standard are any steel bins that meet both of the following criteria: (1) The bin has no roof or sidewall access doors, except for roof openings exceeding 8 in (200 mm) diameter to be the center roof opening, utilized only for filling the bins; (2) The center fill opening cover has a warning label stating that it is not a personnel access point. These engineering parameters assist with safe entry into and exit from steel bins.

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK33302-201x, Guide for Evaluating the Relative Effectiveness of Building Systems to Resist the Passage of Products of Combustion Based on the Aggregation of Leakage Rates1 (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)

New Standard

BSR/ASTM WK43220-201x, Specification for Rubber Poured-In-Place Playground Safety Surfacing Under and Around Playground Equipment (new standard)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

New Standard

BSR/ASTM WK47007-201x, Specification for Impact Attenuation of Turf Playing Systems Designated for IRB Rugby as Measured in the Field1 (new standard)

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ASTM (ASTM International)

New Standard

BSR/ASTM WK48062-201x, Practice for Ignition Sources (new standard)

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ASTM (ASTM International)

Reaffirmation

BSR/ASTM D7301-2011 (R201x), Specification for Nuclear Graphite Suitable for Components Subjected to Low Neutron Irradiation Dose (reaffirmation of ANSI/ASTM D7301-2011)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Reaffirmation

BSR/ASTM D7775-2011 (R201x), Guide for Measurements on Small Graphite Specimens (reaffirmation of ANSI/ASTM D7775-2011)

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ASTM (ASTM International)

Reaffirmation

BSR/ASTM D7779-2011 (R201x), Test Method for Determination of Fracture Toughness of Graphite at Ambient Temperature (reaffirmation of ANSI/ASTM D7779-2011)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM C695-201x, Test Method for Compressive Strength of Carbon and Graphite (revision of ANSI/ASTM C695-2000 (R2010))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM D3240-201x, Test Method for Undissolved Water In Aviation Turbine Fuels (revision of ANSI/ASTM D3240-2010)

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ASTM (ASTM International)

Revision

BSR/ASTM D6259-201x, Practice for Determination of a Pooled Limit of Quantitation (revision of ANSI/ASTM D6259-1998 (R2010))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM D6300-201x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants (revision of ANSI/ASTM D6300-2014a)

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ASTM (ASTM International)

Revision

BSR/ASTM D6708-201x, 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 D6708-2013)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM D7592-201x, Specification for Specification for Grade 94 Unleaded Aviation Gasoline Certification and Test Fuel (revision of ANSI/ASTM D7592-2014)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM D7719-201x, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2014)

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ASTM (ASTM International)

Revision

BSR/ASTM E23-201x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2012c)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E119-201x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2012a)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E162-201x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2013)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E1354-201x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2014)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E1966-201x, Test Method for Fire-Resistive Joint Systems (revision of ANSI/ASTM E1966-2007a (R2011))

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ASTM (ASTM International)

Revision

BSR/ASTM E2226-201x, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2012)

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ASTM (ASTM International)

Revision

BSR/ASTM E2281-201x, Practice for Process and Measurement Capability Indices (revision of ANSI/ASTM E2281-2008a (R2012))

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ASTM (ASTM International)

Revision

BSR/ASTM E2404-201x, Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) Wall or Ceiling Coverings, and of Facings and Wood Veneers Intended to be Applied on Site Over a Wood Substrate, to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2404-2013)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E2653-201x, Practice for Conducting an Interlaboratory Study to Determine Precision Estimates for a Fire Test Method with Fewer than Six Participating Laboratories (revision of ANSI/ASTM E2653-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

Revision

BSR/ASTM E2749-201x, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2015)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM E2989-201x, Guide for Assessment of Continued Applicability of Fire Test Reports Used in Building Regulation (revision of ANSI/ASTM WK41188-201x)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

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

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

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

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM F1356-201x, Practice for Irradiation of Fresh and Frozen Red Meat and Poultry to Control Pathogens and Other Microorganisms (revision of ANSI/ASTM F1356-2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM F1446-201x, Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear (revision of ANSI/ASTM F1446-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM F1882-201x, Specification for Residential Basketball Systems (revision of ANSI/ASTM F1882-2006 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM F2220-201x, Specification for Headforms (revision of ANSI/ASTM F2220-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM F2571-201x, Test Methods for Evaluating Design and Performance Characteristics of Fitness Equipment (revision of ANSI/ASTM F2571-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C512-201x, Air-Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service (revision of ANSI/AWWA C512 -2007)

This standard describes ½- (13-mm) through 6-in. (150-mm) air-release valves and ½-in. (13-mm) through 20-in (500-mm) air/vacuum valves and combination air valves having gray cast-iron, ductile-iron, carbon steel, or stainless steel bodies for use in water or wastewater systems.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

AWWA (American Water Works Association)

Revision

BSR/AWWA E103-201x, Horizontal and Vertical Line-Shaft Pumps (revision of ANSI/AWWA E103-2008)

This standard provides minimum requirements for horizontal centrifugal pumps and for vertical line-shaft pumps for installation in wells, water treatment plants, water transmission systems, and water distribution systems.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

PLASA (PLASA North America)

New Standard

BSR E1.47-201x, Entertainment Technology - Recommended Guidelines for Entertainment Rigging System Inspections (new standard)

The standard offers guidance on inspecting entertainment rigging systems, which are systems used to lift and support scenery, luminaires, and other equipment overhead in entertainment venues, such as theatres, video/film studios, amphitheatres, and arenas used for live performances or special events. The guidelines include recommended inspector qualifications and responsibilities, scope and frequency of inspections, content of the rigging inspection report, and related information concerning the inspection process.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

PLASA (PLASA North America)

New Standard

BSR E1.55-201x, Standard for Theatrical Makeup Mirror Lighting (new standard)

This standard applies to lighting systems for makeup mirrors and makeup stations used by performers and makeup artists for applying makeup to performers in theatres and other performance venues. It describes the topology of the makeup mirror lighting system, the quantity of light, the distribution of light from those sources, apparent source size, brightness, color rendering, and correlated color temperature.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Revision

BSR/RESNA WC-3-201x, RESNA Standard for Wheelchairs - Volume 3: Wheelchair Seating (revision of ANSI/RESNA WC-3-2013)

Wheelchair seating as a subspecialty of rehabilitation services involves the selection and provision of wheelchair seating products to provide improved body support to the wheelchair user. This standard applies to all wheelchair seating and postural devices. It specifies test methods or methods of measurement for: vocabulary; the physical and mechanical characteristics; performance life; envelopment test; heat and water vapor test; and static, impact, and load strength testing.

Single copy price: $475.00

Obtain an electronic copy from: ymeding@resna.org

Order from: Yvonne Meding, (703) 524-6686, YMeding@resna.org

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

SPRI (Single Ply Roofing Institute)

Revision

BSR/SPRI GTS-1-201x, Structural Test Standard for Gutter Systems Used with Low-Slope Roofs (revision and redesignation of ANSI/SPRI GD-1-2010)

This standard provides methodology for the structural testing of Gutters used with low-slope roofing. This standard specifies structural testing for external Gutters used with low-slope (2 in 12 or less) roofing. This standard does not address water removal or the water-carrying capability of the Gutter as other building codes already address this issue. This Standard does not consider downspouts or leaders.

Single copy price: $5.00

Obtain an electronic copy from: info@spri.org

Order from: info@spri.org

Send comments (with copy to psa@ansi.org) to: Linda King, (781) 647-7026, info@spri.org

TAPPI (Technical Association of the Pulp and Paper Industry)

Revision

BSR/TAPPI T 489 om-2015, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2013)

This test method covers a procedure used to measure the resistance to bending of paper and paperboard.

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1690-2011 (R201x), Standard for Safety for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2011))

These requirements cover electrical cables consisting of one or more current-carrying copper, aluminum, or copper-clad aluminum conductors with or without either or both grounding conductor(s), and one or more optical-fiber members, all under an overall jacket. These electrical and composite electrical/optical-fiber cables are intended for use (optical and electrical functions associated in the case of a hybrid cable) in accordance with Article 645 and other applicable parts of the National Electrical Code (NEC) under the raised floor of a computer room.

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.)

Reaffirmation

BSR/UL 920001-2011 (R201X), Standard for Performance Requirements for Toxic Gas Detectors (Proposal dated 05-08-15) (reaffirmation and redesignation of ANSI/ISA 92.00.01-2010)

Reaffirmation and Continuance of the Second Edition of the ANSI/ISA 92.00.01-2011,Standard for Performance Requirements for Toxic Gas Detectors under UL 920001.

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: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 268-201X, Standard for Safety for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2009a)

Recirculation of changes for proposed seventh edition of UL 268 published on 6-27-2014, includes addition of a “Do not paint” marking symbol and corrections to the original proposal.

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: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 60745-2-15-201x, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers (revision of ANSI/UL 60745-2-15-2013)

The following changes in requirements to the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers, UL 60745-2-15, are being proposed: (1) New and revised requirements that address extended-reach hedge trimmers.

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: Casey Granata, (919) 549 -1054, Casey.Granata@UL.Com

Comment Deadline: July 7, 2015

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 487.1-201x, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of On-Grid Isolation Equipment (new standard)

This standard presents engineering design procedures for the electrical protection of metallic wire-line telecommunication facilities serving electric supply locations through the use of on-grid isolation equipment. Other telecommunication alternatives such as radio and microwave systems are excluded from this document.

Single copy price: 69.00 (pdf); $85.00 (print)

Order from: 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 1687-201x, Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device (new standard)

This standard develops a methodology for access to embedded instrumentation, without defining the instruments or their features themselves, via the IEEE 1149.1 test access port (TAP) and additional signals that may be required. The elements of the methodology include a description language for the characteristics of the features and for communication with the features, and requirements for interfacing to the features.

Single copy price: 238.00 (pdf); $298.00 (print)

Order from: 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 1729-201x, Recommended Practice for Electric Power Distribution System Analysis (new standard)

The scope of the standard includes steady-state, event-based, probabilistic, stochastic, and dynamic analysis of medium-voltage (up to 35 kV) electric utility power distribution systems. Industrial and commercial power distribution systems, harmonic analysis, and electromagnetic transient analysis are all excluded.

Single copy price: 48.00 (pdf); $59.00 (print)

Order from: 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 1904.1-Conformance01-201x, Standard for Conformance Test Procedures for Service Interoperability in Ethernet Passive Optical Networks (new standard)

This standard specifies a suite of conformance tests for system-level requirements of Ethernet Passive Optical Network (EPON) equipment, defined in IEEE Std 1904.1, Package A.

Single copy price: 166.00 (pdf); $207.00 (print)

Order from: 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 1904.1-Conformance02-201x, Standard for Conformance Test Procedures for Service Interoperability in Ethernet Passive Optical Networks, IEEE Std 1904.1(TM) Package B (new standard)

This standard specifies a suite of conformance tests for system-level requirements of Ethernet Passive Optical Network (EPON) equipment, defined in IEEE Std 1904.1, Package B.

Single copy price: 115.00 (pdf); $144.00 (print)

Order from: 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 1904.1-Conformance03-201x, Standard for Conformance Test Procedures for Service Interoperability in Ethernet Passive Optical Networks, IEEE Std 1904.1(TM) Package C (new standard)

This standard specifies a suite of conformance tests for system-level requirements of Ethernet Passive Optical Network (EPON) equipment, defined in IEEE Std 1904.1, Package C.

Single copy price: 166.00 (pdf); $203.00 (print)

Order from: 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 1909.1-201x, Recommended Practice for Smart Grid Communications Equipment - Test Methods and Installation Requirements (new standard)

This document includes Recommended Practice for testing and installing different types of smart grid communication equipment according to national and international standards available for equipment to be used in the smart grid. The Recommended Practice includes Safety, EMC, Environmental and Mechanical battery of tests but excludes the interoperability testing. This document captures Recommended Practice for communication equipment to be installed in various domains of the smart grid such as generation, transmission, and distribution.

Single copy price: 69.00 (pdf); $85.00 (print)

Order from: 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 12402-5-201X, Standard for Safety for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety requirements (national adoption with modifications of ISO 12402-5)

This proposal includes the first edition of the standard for personal flotation devices, buoyancy aids (level 50), safety requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000, 1414 Brook Drive, Downers Grove, IL 60515 USA 1 -888-853-3503

Send comments (with copy to psa@ansi.org) to: Betty Holthouser, (919) 549 -1896, betty.c.holthouser@ul.com

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 12402-9-201X, Standard for Safety for Personal Flotation Devices - Test Methods (national adoption with modifications of ISO 12402-9)

This proposal includes the first edition of the standard for safety for personal flotation devices, test methods.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: comm2000, 1414 Brook Drive, Downers Grove, IL 60515 USA, 1-888-853-3503

Order from: comm2000, 1414 Brook Drive, Downers Grove, IL 60515 USA 1 -888-853-3503 (Order paper copy from Consumer Product Unit.)

Send comments (with copy to psa@ansi.org) to: Betty Holthouser, (919) 549 -1896, betty.c.holthouser@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:

ASTM (ASTM International)

BSR/ASTM WK22144-201x, New Test Method for Total Fluorine, Chlorine and Sulfur in Graphite and Carbon by Oxidative Pyrohydrolytic Combustion followed by Ion Chromatography Detection (Combustion Ion Chromatography-CIC) (new standard)

Inquiries may be directed to Jeff Richardson, (610) 832-9696, accreditation@astm.org

ASTM (ASTM International)

BSR/ASTM WK35282-201x, New Guide for Quality Control Protocols Related to Natural Turf Athletic Field Rootzone Constructions (new standard)

ASTM (ASTM International)

BSR/ASTM WK39011-201x, New Practice for Life Cycle Cost Analysis of Commercial Food Service Deep Fat Fryers (new standard)

ASTM (ASTM International)

BSR/ASTM WK42560-201x, New Practice for Use of a Polyethylene Dosimetry System for Radiation Processing (new standard)

ASTM (ASTM International)

BSR/ASTM WK43641-201x, New Test Method for Pole vaulting poles (new standard)

ASTM (ASTM International)

BSR/ASTM WK45575-201x, New Test Method for Surface Burning Characteristics of Building Materials - Floor Mounted Specimen (new standard)

HL7 (Health Level Seven)

BSR/HL7 CDAR2 PA, R1-200x, HL7 Implementation Guide for CDA Release 2; Patient Assessments, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 IMTRANS, R2-201x, HL7 Version 3 Standard: Transmission Infrastructure, Release 2 (revision and redesignation of ANSI/HL7 V3 IM, R1 -2004)

HL7 (Health Level Seven)

BSR/HL7 JIC ICMP PID, R1-200x, Health Informatics - Identification of Medicinal Products - Data elements and structures to uniquely identify and describe substances and specified substances, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 JIC ICSR AER R1-200x, Health Informatics - Pharmacovigilance - Individual Case Safety Report, Part 1: The framework for adverse event reporting, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 JIC ICSR HPRR4ICSR R1-200x, Health Informatics - Pharmacovigilance - Individual Case Safety Report, Part 2: Human pharmaceutical reporting requirements for ICSR, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 JIC IDMP DOSE, R1-200x, Identification of Medicinal Products - Data elements and structures to uniquely identify pharmaceutical dose forms, units of presentation and routes of administration, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 JIC IDMP MPID, R1-200x, Health Informatics - Identification of Medicinal Products - Data elements and structures to uniquely identify medicinal products (MPIDs) for the exchange of regulated medicinal product information, Release 1 (new standard)

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HL7 (Health Level Seven)

BSR/HL7 JIC IDMP PHPID, R1-200x, Health Informatics - Identification of Medicinal Products - Data elements and structures to uniquely identify and exchange pharmaceutical products (PhPIDs), Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 JIC IDMP UOM, R1-200x, Health Informatics - Identification of Medicinal Products -Data elements and structures to uniquely identify Units of Measurement, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 V3 IDMPCMM, R1-201x, HL7 Version 3 Standard: Identification of Medicinal Products - Creation and Maintenance Messages, Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 V3 IGDSSINFOBUTTON, R1-201x, HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) - Decision Support Service (DSS), Release 1 (new standard)

HL7 (Health Level Seven)

BSR/HL7 V3 TEMP, R1-200x, HL7 Version 3 Standard: Specification and Use of Reusable Information, Release 1 (new standard)

30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

AIAA (American Institute of Aeronautics and Astronautics)

ANSI/AIAA S-096-2004, Space Systems - Flywheel Rotor Assemblies

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Cliff Bernier*

Phone: (703) 253-8263

Fax: (703) 276-0793

E-mail: CBernier@aami.org

BSR/AAMI/ISO 15676-201x, Cardiovascular implants and artificial organs - Requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO) (new standard)

Obtain an electronic copy from: cbernier@aami.org

ECIA (Electronic Components Industry Association)

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

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 364-03D-201x, Altitude Immersion Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -03C-2009)

BSR/EIA 364-04B-201x, Normal Force Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-04A-2009)

BSR/EIA 364-08C-201x, Crimp Tensile Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -08B-2009)

BSR/EIA 364-87B-201x, Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-87A-2009)

BSR/EIA 364-104B-201x, Flammability Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-104A-2000 (R2008))

BSR/EIA 364-111A-201x, Test Procedure for Determining the Total Ionic Contamination of an Electrical Connector or Socket Assembly or Component (revision and redesignation of ANSI/EIA 364-111-2008)

BSR/EIA 364-1002A-201x, Test Methodology for Assessing the Performance of Compliant Contact Terminations Used as Free Standing Contacts or in Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-1002-2008)

NECA (National Electrical Contractors Association)

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

Contact: *Sofia Arias*

Phone: (301) 215-4549

Fax: (301) 215-4500

E-mail: sofia.arias@necanet.org

BSR/NECA 230-201X, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010)

NENA (National Emergency Number Association)

Office: 1700 Diagonal Road
Suite 500
Alexandria, VA 22314

Contact: *Roger Hixson*

Phone: (202) 618-4405

E-mail: rhixson@nena.org

BSR/NENA STA 010.X-201X, NENA Standard for NG9-1-1 Core Services Architecture (new standard)

BSR/NENA STA 019.1-201X, NG9-1-1 Call Processing Metrics Standard (new standard)

BSR/NENA STA 025.1-201X, NG9-1-1 Management Considerations for EIDD Interoperability (new standard)

NGWA (National Ground Water Association)

Office: 601 Dempsey Rd
Westerville, OH 43081

Contact: *Jessica Rhoads*

Phone: (800) 551-7379

Fax: (614) 898-7786

E-mail: jrhoads@ngwa.org

BSR/NGWA 03-1X-201x, Water Well Pump Systems Standard (new standard)

RESNA (Rehabilitation Engineering and Assistive Technology Societv of North America)

Office: 1700 N. Moore Street
Suite 1540
Arlington, VA 22209-1903

Contact: *Yvonne Meding*

Phone: (703) 524-6686

Fax: (703) 524-6630

E-mail: YMeding@resna.org

BSR/RESNA WC-3-201x, RESNA Standard for Wheelchairs - Volume 3: Wheelchair Seating (revision of ANSI/RESNA WC-3-2013)

Obtain an electronic copy from: ymeding@resna.org

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Charles Bohanan*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 266 om-201x, Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (new standard)

Obtain an electronic copy from: standards@tappi.org

UL (Underwriters Laboratories, Inc.)

Office: 455 E. Trimble Rd.
San Jose, CA 95131-1230

Contact: *Marcia Kawate*

Phone: (408) 754-6743

Fax: (408) 754-6743

E-mail: Marcia.M.Kawate@ul.com

BSR/UL 1769-201x, Standard for Safety for Cylinder Valves (revision of ANSI/UL 1769-2014)

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

BSR/UL 2904-201X, Standard for Chemical and Particle Emissions from 3D Printers (new standard)

Final Actions on American National Standards

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.100-20 Parts 1, 2 & 3-2015, Print & Test Specifications for Magnetic Ink Printing (revision of ANSI X9.100-20 Parts 1, 2 & 3 -2011): 5/5/2015

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

New Standard

ANSI/ASHRAE Standard 153-2015, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves (new standard): 5/1/2015

Revision

ANSI/ASHRAE Standard 29-2015, Method of Testing Automatic Ice Makers (revision of ANSI/ASHRAE Standard 29-2009): 5/1/2015

ANSI/ASHRAE Standard 41.4-2015, Standard Method for Measuring the Proportion of Lubricant in Liquid Refrigerant (revision of ANSI/ASHRAE Standard 41.4-1996 (R2006)): 5/1/2015

ASME (American Society of Mechanical Engineers)

Supplement

ANSI/ASME PCC-2-2015, Repair of Pressure Equipment and Piping (supplement to ANSI/ASME PCC-2-2015): 5/5/2015

ASTM (ASTM International)

New Standard

ANSI/ASTM E3010-2015, Practice for Installation, Commissioning, Operation and Maintenance Process (ICOMP) of Photovoltaic Arrays (new standard): 4/21/2015

ANSI/ASTM F1955-2015, Test Method for Flammability of Sleeping Bags (new standard): 4/21/2015

ANSI/ASTM F3101-2015, Specification for Unsupervised Public Use Outdoor Fitness Equipment (new standard): 4/21/2015

Reaffirmation

ANSI/ASTM D7223-2011 (R2015), Specification for Aviation Certification Turbine Fuel (reaffirmation of ANSI/ASTM D7223 -2011): 4/21/2015

ANSI/ASTM F910-2010 (R2015), Specification for Face Guards for Youth Baseball (reaffirmation of ANSI/ASTM F910-2004 (R2010)): 4/21/2015

ANSI/ASTM F1081-2009 (R2015), Specification for Competition Wrestling Mats (reaffirmation of ANSI/ASTM F1081-2009): 4/21/2015

ANSI/ASTM F1750-2011 (R2015), Specification for Paintball Marker Threaded-Propellant Source Interface (reaffirmation of ANSI/ASTM F1750-2011): 4/21/2015

ANSI/ASTM F2271-2011 (R2015), Specification for Paintball Marker Barrel Blocking Devices (reaffirmation of ANSI/ASTM F2271-2011): 4/21/2015

ANSI/ASTM F2653-2011 (R2015), Specification for Paintball Valve Male Threaded Connection for Use with Approved Cylinders (reaffirmation of ANSI/ASTM F2653-2011): 4/21/2015

ANSI/ASTM F2801-2011 (R2015), Practice for Paintball Player Safety Briefing (reaffirmation of ANSI/ASTM F2801-2011): 4/21/2015

ANSI/ASTM F2904-2011 (R2015), Specification for Warnings on Paintball Marker Accessories Used In the Sport of Paintball (reaffirmation of ANSI/ASTM F2904-2011): 4/21/2015

Revision

ANSI/ASTM D1322-2015, Test Method for Smoke Point of Kerosine and Aviation Turbine Fuel (revision of ANSI/ASTM D1322-2014a): 4/21/2015

ANSI/ASTM D2624-2015, Test Methods for Electrical Conductivity of Aviation and Distillate Fuels (revision of ANSI/ASTM D2624-2009): 4/21/2015

ANSI/ASTM D7254-2015, Specification for Polypropylene (PP) Siding (revision of ANSI/ASTM D7254-2006): 4/21/2015

ANSI/ASTM D7856-2015, Specification for Color and Appearance Retention of Solid and Variegated Color Plastic Siding Products using CIELab Color Space (revision of ANSI/ASTM D7856-2014): 4/21/2015

ANSI/ASTM E84-2015, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84 -2015): 4/21/2015

ANSI/ASTM E662-2015, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662 -2014): 4/21/2015

ANSI/ASTM E1323-2015, Guide for Evaluating Laboratory Measurement Practices and the Statistical Analysis of the Resulting Data (revision of ANSI/ASTM E1323-2009): 4/21/2015

ANSI/ASTM E1740-2015, Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wall Covering or Ceiling Covering Composites Using a Cone Calorimeter (revision of ANSI/ASTM E1740-2010): 4/21/2015

ANSI/ASTM E2226-2015, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2012): 4/21/2015

ANSI/ASTM E2231-2015, Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2231-2014): 4/21/2015

ANSI/ASTM E2307-2015, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-Story Test Apparatus (revision of ANSI/ASTM E2307-2015): 4/21/2015

ANSI/ASTM E2404-2015, Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) Wall or Ceiling Coverings, and of Facings and Wood Veneers Intended to be Applied on Site Over a Wood Substrate, to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2404-2013): 4/21/2015

ANSI/ASTM E2579-2015, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2013): 4/21/2015

ANSI/ASTM E2587-2015, Practice for Use of Control Charts in Statistical Process Control (revision of ANSI/ASTM E2587-2014): 4/21/2015

ANSI/ASTM E2599-2015, Practice for Specimen Preparation and Mounting of Reflective Insulation, Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2599-2011): 4/21/2015

ANSI/ASTM F1045-2015, Performance Specification for Ice Hockey Helmets (revision of ANSI/ASTM F1045-2007 (R2013)): 4/21/2015

ANSI/ASTM F1749-2015, Specification for Fitness Equipment and Fitness Facility Safety Signage and Labels (revision of ANSI/ASTM F1749-2009): 4/21/2015

ANSI/ASTM F1898-2015, Specification for Helmets for Non-Motorized Wheeled Vehicle Used by Infants and Toddlers (revision of ANSI/ASTM F1898-2008 (R2015)): 4/21/2015

ANSI/ASTM F2508-2015, Practice for Validation, Calibration, and Certification of Walkway Tribometers Using Reference Surfaces (revision of ANSI/ASTM F2508-2013): 5/1/2015

ANSI/ASTM F2654-2015, Specification for Low Energy Air Gun (LEAG) Warnings (revision of ANSI/ASTM F2654-2007): 4/21/2015

ANSI/ASTM F2679-2015, Specification for 6 mm Projectiles Used with Low Energy Air Guns (revision of ANSI/ASTM F2679-2013): 4/21/2015

ANSI/ASTM F2748-2015, Specification for Low Energy Air Guns (revision of ANSI/ASTM F2748-2008): 4/21/2015

ANSI/ASTM F3021-2015, Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (revision of ANSI/ASTM F3021-2014): 4/21/2015

ANSI/ASTM F3022-2015, Test Method for Evaluating the Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments (revision of ANSI/ASTM F3022-2014): 4/21/2015

ICC (International Code Council)

New Standard

* ANSI/ICC 900/SRCC 300-2015, Standard for Solar Water Heating Systems (new standard): 4/30/2015

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

New Standard

ANSI INCITS 513-2015, Information technology - SCSI Primary Commands-4 (new standard): 5/5/2015

ANSI INCITS 517-2015, Information Technology - SCSI/ATA Translation - 3 (SAT-3) (new standard): 5/5/2015

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

ANSI C136.38-2015, Roadway and Area Lighting Equipment - Induction Lighting (revision of ANSI C136.38-2009): 4/29/2015

NEMA (ASC C18) (National Electrical Manufacturers Association)

Revision

* ANSI C18.1M, Part 1-2015, Standard for Portable Primary Cells and Batteries with Aqueous Electrolyte - General and Specifications (revision of ANSI C18.1M, Part 1-2009): 4/29/2015

NSF (NSF International)

Revision

* ANSI/NSF 140-2015 (i26r4), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2013): 3/20/2015

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 618-2010 (R2015), Standard for Safety for Concrete Masonry Units (reaffirmation of ANSI/UL 618-2010): 5/4/2015

Revision

ANSI/UL 444-2015, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2010b): 4/30/2015

ANSI/UL 558-2015, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2014): 4/30/2015

ANSI/UL 558-2015a, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2014a): 5/1/2015

VC (ASC Z80) (The Vision Council)

Reaffirmation

* ANSI Z80.9-2010 (R2015), Devices for Low Vision (reaffirmation of ANSI Z80.9-2010): 5/5/2015

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.

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI/ISO 5359-201x, Anaesthetic and respiratory equipment - Low-pressure hose assemblies for use with medical gases (identical national adoption of ISO 5359:2014)

Stakeholders: Low-pressure hose assembly manufacturers.

Project Need: Specify requirements for low-pressure hose assemblies.

Specifies requirements for low-pressure hose assemblies intended for use with the following medical gases:
- oxygen;
- nitrous oxide;
- medical air;
- helium;
- carbon dioxide;
- xenon;
- specified mixtures of the gases listed above;
- oxygen-enriched air;
- air for driving surgical tools; and
- nitrogen for driving surgical tools and for use with vacuum.

BSR/AAMI/ISO 5360-201x, Anaesthetic vaporizers - Agent-specific filling systems (identical national adoption of ISO 5360:2012)

Stakeholders: Anaethetic vaporizer manufacturers, clinicians.

Project Need: Specify requirements for anaethetic vaporizers.

Specifies requirements, including dimensions, for agent-specific filling systems for agent-specific anaesthetic vaporizers.

BSR/AAMI/ISO 15002-201x, Flow-metering devices for connection to terminal units of medical gas pipeline systems (identical national adoption of ISO 15002:2008)

Stakeholders: Flow-metering device manufacturers, clinicians.

Project Need: Specify requirements for flow-metering devices for connection to terminal units of medical gas pipeline systems.

Specifies requirements for:
- flow-metering devices that are connected, either directly or by means of flexible connecting assemblies, and disconnected by the operator at terminal units of a medical gas pipeline system for flow adjustment, measurement and delivery of medical gases; and
- flow-metering devices that are connected and disconnected by the operator at gas-specific connection points of devices such as pressure regulators.

BSR/AAMI/ISO 23747-201x, Anaesthetic and respiratory equipment - Peak expiratory flow meters for the assessment of pulmonary function in spontaneously breathing humans (identical national adoption of ISO 23747:2007)

Stakeholders: Peak expiratory flow meters manufacturers, clinicians.

Project Need: Specify requirements for peak expiratory flow meters.

Specifies requirements for a peak expiratory flow meter intended for the assessment of pulmonary function in spontaneously breathing humans.

BSR/AAMI/ISO 26782-201x, Anaesthetic and respiratory equipment - Spirometers intended for the measurement of time forced expired volumes in humans (identical national adoption of ISO 26782:2009)

Stakeholders: Spirometer manufacturers, clinicians.

Project Need: Specify requirements for spirometers.

Specifies requirements for spirometers intended for the assessment of pulmonary function in humans weighing more than 10 kg.

BSR/AAMI/ISO 80601-2-55-201x, Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (identical national adoption of ISO 80601-2-55:2011)

Stakeholders: Respiratory gas monitor manufacturers, clinicians.

Project Need: Specify requirements of respiratory gas monitors.

Specifies particular requirements for the basic safety and essential performance of a respiratory gas monitor (RGM), referred to as ME equipment, intended for continuous operation for use with a patient.

BSR/AAMI/ISO 80601-2-61-201x, Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment (identical national adoption of ISO 80601-2-61:2011)

Stakeholders: Pulse oximeter equipment manufacturers, clinicians.

Project Need: Specify requirements for pulse oximeter equipment.

Applies to the basic safety and essential performance of pulse oximeter equipment intended for use on humans, referred to as ME equipment. This includes any part necessary for normal use, including the pulse oximeter monitor, pulse oximeter probe, and probe cable extender.

ASABE (American Society of Agricultural and Biological Engineers)

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Contact: *Jean Walsh*

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BSR/ASABE S625.1 MONYEAR-201x, Drawbar Pin Dimensions and Requirements for Towed Equipment (revision and redesignation of ANSI/ASABE S625-2015)

Stakeholders: Tractor manufacturers, towed equipment manufacturers, short-line equipment manufacturers.

Project Need: Correct the S values in Table 1 for categories 2, 3, 4, 5.

To correct the S values in Table 1 for categories 2, 3, 4, 5.

ASME (American Society of Mechanical Engineers)

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New York, NY 10016

Contact: *Mayra Santiago*

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E-mail: ansibox@asme.org

BSR/ASME B31T-201x, Standard Toughness Requirements for Piping (revision of ANSI/ASME B31T-2010)

Stakeholders: Industries that utilize pressure piping constructed to the ASME B31 Code including - Power Piping, Process Piping, Liquid and Slurry Piping Transportation Systems, Refrigeration Piping, Gas Transmission and Distribution Piping, and Building Services Piping.

Project Need: There is a need for a common standard to provide guidance for low-temperature toughness requirements, which may be incorporated by reference in the ASME B31 Code sections or invoked by users in technical specifications.

This standard provides requirements for evaluating the suitability of materials used in piping systems for piping that may be subject to brittle failure due to low temperature service conditions.

CSA (CSA Group)

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Cleveland, OH 44131

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BSR/CSA C450-201x, Solar Photovoltaic Module Durability Testing Protocol (new standard)

Stakeholders: PV module manufacturers, PV project developers, PV project investors, PV independent engineering companies, PV test laboratories, general PV industry, US government.

Project Need: Existing standards and protocols developed for PV reliability testing are either private standards which lead to a lack of uniformity in the industry, or have been found by industry or financers to not adequately meet their needs.

The scope of the standard would build on existing initiatives such as NREL Qualification Plus and PVQAT's Climate Specific Durability Program and create consensus for an industry-wide standard PV module durability testing protocol. The protocol would attempt to rigorously test PV modules for long-term failure mechanisms that have actually been observed in the field. This testing protocol is intended to supplement existing qualification and safety testing, and would typically be performed after modules had been certified to ANSI/UL 1703 or IEC equivalents.

ECIA (Electronic Components Industry Association)

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BSR/EIA 364-03D-201x, Altitude Immersion Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -03C-2009)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current American National Standard.

This standard establishes a test method to determine the ability of the connector-to-wire and interface area seals of a mated connector assembly to perform satisfactorily during and subsequent to simulated rapid descents from high altitude with attendant moisture condensation.

BSR/EIA 364-04B-201x, Normal Force Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-04A-2009)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current American National Standard.

This procedure establishes two methods to determine the magnitude of normal force, at the point of the electrical connection, generated by a contact system at a given deflection within its normal operating levels. This data and its relationship to contact pressure allows the electrical integrity and stability of the contact interface to be evaluated in proper perspective when integrated with other monitored attributes.

BSR/EIA 364-08C-201x, Crimp Tensile Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -08B-2009)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current American National Standard.

This standard establishes a test method to determine the tensile strength of a crimped contact to conductor joint. The values obtained give an indication of the relative strength of the joints. Unless otherwise specified in the referencing document, this is a destructive test.

BSR/EIA 364-87B-201x, Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-87A-2009)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current standard.

The object of this procedure is to define methods for detecting events that can be as short as 1 nanosecond.

BSR/EIA 364-104B-201x, Flammability Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-104A-2000 (R2008))

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current standard.

This standard establishes a test method to determine a connector's resistance to burning when exposed to a flame. Burning resistance is defined as the ability to not support or propagate combustion after and ignition source is removed. This test evaluates the time it takes for the flame of a burning connector to extinguish after removal of the applied flame, and the possibility of the spread of burning, as caused by burning droplets and after-glow. This test does not simulate any actual service application. It is intended to test a connector by itself in a condition that can readily be duplicated in any test laboratory.

BSR/EIA 364-111A-201x, Test Procedure for Determining the Total Ionic Contamination of an Electrical Connector or Socket Assembly or Component (revision and redesignation of ANSI/EIA 364-111 -2008)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current standard.

This standard establishes 2 methods for determining the total amount of extractable ionic contamination on the surface of an electrical connector or socket assembly or component.

BSR/EIA 364-1002A-201x, Test Methodology for Assessing the Performance of Compliant Contact Terminations Used as Free Standing Contacts or in Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-1002-2008)

Stakeholders: Electronics, Electrical, and Telecommunications industry.

Project Need: Revise current standard.

This standard establishes the test procedures and test sequences for evaluating compliant contact terminations. The test sequences defined in this standard shall be considered generic. Unless otherwise specified in the referencing document, this standard applies to the following types of contacts with compliant contact terminations:
- Contacts that are supplied as separate items, but may be inserted into a housing; and
- Free-standing contacts that are not used in a housing.

NECA (National Electrical Contractors Association)

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* BSR/NECA 230-201X, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010)

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

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

This standard describes recommended procedures for selecting and installing stationary electric motors and motor controllers rated 1000 volts or less. It also covers routine maintenance procedures to be followed after the installation is complete.

NENA (National Emergency Number Association)

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Alexandria, VA 22314

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BSR/NENA STA-010.X-201X, NENA Standard for NG9-1-1 Core Services Architecture (new standard)

Stakeholders: 9-1-1 Center (Public Safety Answering Points (numbering approximately 6200 in the USA and Canada) – PSAP managers and operators, their 9-1-1 authorities at county, regional, and state levels, 9-1-1 industry developers and vendors, state and federal regulatory entities, other telecomm-related SDOs.

Project Need: Standardize the core functions and interfaces necessary to provide Next Generation 9-1-1 multimedia call processing in an IP environment.

This work will review and add to the current NENA standards for the Next Generation 9-1-1 core service architecture that provides call and data handling functionality between 9-1-1 call originators and 9-1-1 call centers (PSAPs). The existing NENA standard has been developed over the 2003-2014 time-frame to replace E9-1-1 functionality throughout at least the USA, and has been the model for European and Canadian work for similar purposes. This is known in short form as `i3'. The work under this PINS is for version 3 of the NG9-1-1 core services architectural standard and NENA's intent is to submit the entirety of NENA i3v3 standard to ANSI development process accreditation. This work is expected to be accomplished in three related NENA Working Groups. Major topics being added to the standard include: (1) Network routing, performance and security; (2) Core, ancillary, and transitional functions; (3) Data definition, including location, GIS, and additional data, including XML; (4) Next generation 9-1-1 PSAP multimedia and other data interfaces; (5) PSAP management-testing interface; and (6) Potential of convergence of i3 standard for use with an IMS-based emergency services IP network. To contribute to this work, contact rhixson@nena.org.

BSR/NENA STA-019.1-201X, NG9-1-1 Call Processing Metrics Standard (new standard)

Stakeholders: 9-1-1 Center (Public Safety Answering Points (numbering approximately 6200 in the USA and Canada) – PSAP managers and operators, their 9-1-1 authorities at county, regional, and state levels, 9-1-1 industry developers and vendors, state and federal regulatory entities, other telecomm-related SDOs.

Project Need: Produce a NENA Standard that clearly defines important metrics for the period between two NG9-1-1 events. The first step would be to define what metrics are needed based on the actual needs of those who will be producing reports and managing NG9-1-1 systems and services. The second step would be to define the start and end event for each metric and document it in unambiguous terms.

Work will standardize NG9-1-1 call processing metrics. The term "metric" here means a timespan between two steps in call processing, and "call processing" incorporates all steps related to processing and handling a call from the moment it enters the first ESInet until the call is terminated – including steps that involve activities like querying databases and choosing and applying routing rules. These standardized metrics would drive both monitoring and reporting functions, and standardizing them will make functional comparisons more reliable. Common metrics like time in queue, answer time, hold time, and total call duration would be examples. Average metrics like average time to answer or average total call duration would be examples also. Measurements specific to NG9-1-1, like "ECRF processing time", or "Total LoST query time" would be other examples. To participate in this development work, contact Michael Smith at msmith@dsscorp.com.

BSR/NENA STA-025.1-201X, NG9-1-1 Management Considerations for EIDD Interoperability (new standard)

Stakeholders: PSAP managers and operators, numbering approximately 5900 in the USA and Canada; their 9-1-1 authorities at county, regional, and state levels; 9-1-1 industry developers and vendors.

Project Need: Standardize operational mechanisms for moving EIDD between PSAP Applications, response agencies, and other entities involved with emergency services.

The EIDD is the mechanism identified to move data between PSAP applications, between PSAPs, response agencies, and other entities involved in assisting the public. 911 authorities and PSAP managers need to know (1) When an EIDD is created, (2) What data can be put into an EIDD, (3) Who is authorized to send and receive an EIDD, (4) What criteria should be used to determine who can send or receive the data in an EIDD, (5) What best practices should be applied to EIDD management, and (6) Are interagency agreements necessary to exchange EIDDs outside of the NG911 system. The end result is expected to provide standard guidance to 911 authorities, PSAP managers, and application developers on how to manage data interoperability between NG911 functional elements, public safety applications within the PSAP, originating PSAPs, and assisting PSAPs; emergency responder applications; as well as other law enforcement, fire, and EMS entities. To work on this effort, please contact rhixson@nena.org.

NGWA (National Ground Water Association)

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* BSR/NGWA 03-1X-201x, Water Well Pump Systems Standard (new standard)

Stakeholders: Contractors, manufacturers/suppliers.

Project Need: To provide a standard for water-well pumping systems.

This standard will include the following related to water well pumping systems: pump system design; well head considerations; pump sizing and materials considerations; information on tanks, metering, valves, and piping; electrical concerns; and operational concerns, along with any related topics determined by the consensus body.

PLASA (PLASA North America)

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E-mail: standards.na@plasa.org

BSR E1.53-201x, Overhead mounting of luminaires, lighting accessories, and other portable devices: Specification and practice (new standard)

Stakeholders: Stage performers; stage technicians; stage equipment manufacturers; specifiers, retailers, and providers of stage equipment normally mounted on rigging trusses or battens over stages.

Project Need: Actors' Equity Business Representatives report complaints from their union members of lighting equipment falling from overhead on stage, and thus endangering them. They have asked for help in identifying or creating standards that would guide technicians in how to mount equipment so that it is unlikely to come loose, or, if it does come loose, that it does not fall. Luminaires and accessories such as top hats are their main concern, but the e-mail asking for help also mentions fog machines.

The standard would cover specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories. It would also cover the mounting of these devices for special effects equipment (e.g., fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard would give guidance on how to properly affix these mounting devices.

TAPPI (Technical Association of the Pulp and Paper Industry)

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BSR/TAPPI T 266 om-201x, Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (new standard)

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

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

This method describes the determination of sodium, calcium, copper, iron, and manganese in pulp, paper, and wood by atomic absorption spectroscopy.

UL (Underwriters Laboratories, Inc.)

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* BSR/UL 2904-201X, Standard for Chemical and Particle Emissions from 3D Printers (new standard)

Stakeholders: Manufacturers of 3D printer equipment and material suppliers, office and school products purchasers and specifiers, building occupants, consumers, AHJs, retailers, and medical and public health professionals.

Project Need: To obtain national recognition of a standard covering acceptable emissions from electronic office equipment products and applications. Studies are demonstrating that the chemical and particle emissions from 3D printers can adversely affect the quality of indoor environments, ultimately affecting health and well-being of its occupants including children.

This standard covers:
- Acceptable criteria for 3D printer emissions performance for indoor air quality for office, home, and educational environments;
- Measurement protocols for determining the emissions of chemicals and particles from diverse 3D equipment products and applications;
- Recognition of other applicable safety parameters;
- Laboratory testing procedures and methods; and
- Acceptable ongoing retesting, reconfirmation. and compliance procedures.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
Association for the Advancement of Medical Instrumentation

4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8261
Fax: (703) 276-0793
Web: www.aami.org

AGA (ASC Z380)
American Gas Association

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

APSP
Association of Pool & Spa Professionals

2111 Eisenhower Ave.
Suite 500
Alexandria, VA 22314
Phone: (703) 838-0083 X150
Fax: (703) 549-0493
Web: www.apsp.org

ASABE
American Society of Agricultural and Biological Engineers

2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7027
Fax: (269) 429-3852
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated

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

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

1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

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

ASTM
ASTM International

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

AWWA
American Water Works Association

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

BPI
Building Performance Institute

107 Hermes Road
Suite 110
Malta, NY 12020
Phone: (877) 274-1274
Fax: (866) 777-1274
Web: www.bpi.org

CSA
CSA Group

8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

ECIA
Electronic Components Industry Association

2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

ICC
International Code Council

4051 West Flossmoor Road
Country Club Hills, IL 60478-5795
Phone: (888) 422-7233
Fax: (708) 799-0320
Web: www.iccsafe.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)

445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

ISEA
International Safety Equipment Association

1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695
Fax: (703) 525-1698
Web: www.safetyequipment.org

ITI (INCITS)
InterNational Committee for Information Technology Standards

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

NECA
National Electrical Contractors Association

3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Fax: (301) 215-4500
Web: www.neca-neis.org

NEMA (ASC C12)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3278
Fax: (703) 841-3367
Web: www.nema.org

NEMA (ASC C136)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3378
Web: www.nema.org

NENA
National Emergency Number Association

1700 Diagonal Road
Suite 500
Alexandria, VA 22314
Phone: (202) 618-4405
Web: www.nena.org

NGWA
National Ground Water Association

601 Dempsey Rd
Westerville, OH 43081
Phone: (800) 551-7379
Fax: (614) 898-7786
Web: www.ngwa.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

PLASA
PLASA North America

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

RESNA
Rehabilitation Engineering and Assistive Technology Society of North America

1700 N. Moore Street
Suite 1540
Arlington, VA 22209-1903
Phone: (703) 524-6686
Fax: (703) 524-6630
Web: www.resna.org

SPRI
Single Ply Roofing Institute

411 Waverley Oaks Road
Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-3038
Fax: (847) 664-3038
Web: www.ul.com

VC (ASC Z80)
The Vision Council

225 Reinekers Lane
Suite 700
Alexandria, VA 22314
Phone: (703) 740-1094
Fax: (703) 548-4580
Web: www.z80asc.com

ISO Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

AIR QUALITY (TC 146)

ISO/DIS 16000-33, Indoor air - Part 33: Determination of phthalates with gas chromatography/mass spectrometry (GC/MS) - 6/30/2015, $112.00

GAS CYLINDERS (TC 58)

ISO/DIS 18119, Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - 8/3/2015, $119.00

ISO/DIS 24431, Gas cylinders - Cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling - 8/3/2015, $62.00

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

ISO/DIS 14224, Petroleum, petrochemical and natural gas industries - Collection and exchange of reliability and maintenance data for equipment - 8/3/2015, FREE

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1401, Rubber hoses for agricultural spraying - 8/3/2015, $46.00

ISO/DIS 2398, Rubber hoses, textile-reinforced, for compressed air - Specification - 8/3/2015, $46.00

ISO/DIS 7751, Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to maximum working pressure - 8/3/2015, $29.00

ISO/DIS 8033, Rubber and plastics hoses - Determination of adhesion between components - 8/3/2015, $58.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 18421, Ships and marine technology - Inland navigation vessels - Lifebuoy housings - 7/8/2015, FREE

ISO/DIS 19355, Ships and Marine Technology - Marine cranes - Structural requirements - 7/1/2015, $46.00

ISO/DIS 19356, Ships and Marine Technology - Marine cranes - Test specification and procedures - 7/1/2015, $33.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 7404-1, Methods for the petrographic analysis of bituminous coal and anthracite - Part 1: Vocabulary - 7/31/2015, FREE

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 11137-3, Sterilization of health care products - Radiation - Part 3: Guidance on dosimetric aspects of development, validation and routine control - 8/3/2015, $107.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 24617-6, Language resource management - Semantic annotation framework - Part 6: Principles of semantic annotation (SemAF Principles) - 8/1/2015, $98.00

THERMAL INSULATION (TC 163)

ISO/DIS 10077-2, Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames - 8/3/2015, $125.00

ISO/DIS 52018-1, Energy performance of buildings - Indicators for partial EPB requirements related to thermal energy balance and fabric features - Part 1: Overview of options - 8/3/2015, $98.00

ISO/DIS 52022-1, Energy performance of buildings - Thermal, solar and daylight properties of building components and elements - Part 1: Simplified calculation method of the solar and daylight characteristics for solar protection devices combined with glazing - 8/3/2015, $71.00

ISO/DIS 52022-3, Energy performance of buildings - Thermal, solar and daylight properties of building components and elements - Part 3: Detailed calculation method of the solar and daylight characteristics for solar protection devices combined with glazing - 8/3/2015, $98.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 10675-1, Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1: Steel, nickel, titanium and their alloys - 8/3/2015, $58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19794-14/DAmd1, Information technology - Biometric data interchange formats - Part 14: DNA data - Amendment 1: Conformance testing and clarification defects - 6/5/2015, $155.00

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).

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 12182:2015, Systems and software engineering - Framework for categorization of IT systems and software, and guide for applying it, $149.00

ISO/IEC TR 23009-3:2015, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 3: Implementation Guidelines, $200.00

DENTISTRY (TC 106)

ISO 24234:2015, Dentistry - Dental amalgam, $149.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 16610-29:2015, Geometrical product specifications (GPS) - Filtration - Part 29: Linear profile filters: Spline wavelets, $123.00

FLUID POWER SYSTEMS (TC 131)

ISO 10762:2015, Hydraulic fluid power - Mounting dimensions for cylinders, 10 MPa (100 bar) series, $149.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 10816-21:2015, Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 21: Horizontal axis wind turbines with gearbox, $123.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 17786:2015, Dimethyl ether (DME) for fuels - Determination of high temperature (105°C) evaporation residues - Mass analysis method, $88.00

SMALL TOOLS (TC 29)

ISO 3317:2015, Assembly tools for screws and nuts - Square drive adaptor with hexagon or cylindrical flat drive, for power socket wrenches, $51.00

ISO Technical Reports

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TR 17424:2015, Intelligent transport systems - Cooperative systems - State of the art of Local Dynamic Maps concepts, $173.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 2382:2015, Information technology - Vocabulary, FREE

ISO/IEC 14543-5-7:2015, Information technology - Home electronic system (HES) architecture - Part 5-7: Intelligent Grouping and 3 Resource Sharing - Remote Access System Architecture, $88.00

ISO/IEC/IEEE 8802-1AE/Amd1:2015, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Part 1AE: Media access control (MAC) security - Amendment 1: Galois Counter Mode - Advanced Encryption Standard-256 (GCM-AES-256) Cipher Suite, $200.00

ISO/IEC/IEEE 8802-1AE/Amd2:2015, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Part 1AE: Media access control (MAC) security - Amendment 2: Extended Packet Numbering, $240.00

ISO/IEC/IEEE 8802-22:2015, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 22: Cognitive Wireless RAN Medium Access Control (MCA) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands, $265.00

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

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

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

- **Producer – Hardware**

  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

  This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Electronic Components Industry Association (ECIA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Electronic Components Industry Association (ECIA), an ANSI Accredited Standards Developer and organizational member, has been approved under its recently revised ECIA Engineering Publication – Manual of Standards & Technology Organization and Procedure, for documenting consensus on ECIA-sponsored American National Standards, effective May 1, 2015. For additional information, please contact: Mr. Edward F. Mikoski, Jr., MBA, CStd, FSES, Vice President of Standards & Technology, Electronic Components Industry Association, 2214 Rock Hill Road, Suite 265, Herndon, VA 20170-4212; phone: 571.323.0294; e-mail: emikoski@ecianow.org.

The NELAC Institute (TNI)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of The NELAC Institute (TNI), an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on TNI-sponsored American National Standards, effective May 5, 2015. For additional information, please contact: Kenneth W. Jackson, Ph.D., Consensus Standards Development Program Administrator, The NELAC Institute, P.O. Box 2439, Weatherford, TX 76086; phone: 518.899.9697; e-mail: ken.jackson@nelac-institute.org.

Reaccreditation

Association for Challenge Course Technology (ACCT)

Comment Deadline: June 8, 2015

The Association for Challenge Course Technology (ACCT), an ANSI organizational member and Accredited Standards Developer, has submitted to ANSI revisions to its accredited procedures for documenting consensus on ACCT-sponsored American National Standards, under which it was last reaccredited in 2013. As the revisions appear to be substantive in nature, the reaccreditation process is initiated..

To obtain a copies of the revised procedures or to offer comments, 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. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to ACCT by June 8, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Society for Laboratory Automation and Screening (SLAS)

Comment Deadline: June 8, 2015

The Society for Laboratory Automation and Screening (SLAS), an ANSI organizational member and Accredited Standards Developer, has submitted to ANSI revisions to its accredited procedures for documenting consensus on SLAS-sponsored American National Standards, under which it was accredited in 2002. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copies of the revised procedures or to offer comments, please contact: Ms. Mary Geismann, Manager, Member Services, Society for Laboratory Automation and Screening, 100 Illinois Street, Suite 242, St. Charles, IL 60174; phone: 630.256.7527, ext. 109; e-mail: mgeismann@slas.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to SLAS by June 8, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Reaccreditation and Scope Extension

SCS Global Services

Comment Deadline: June 8, 2015

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Diana Kirsanova Phillips
SCS Global Services
2000 Powell Street, Suite 600
Emeryville, CA 94608
Phone: 510-452-9089

On May 1, 2015, the ANSI Greenhouse Gas Validation/Verification Body Accreditation Committee voted to approve Reaccreditation and Scope Extension for SCS Global Services for the following:

Verification of assertions related to GHG emissions and removals at the organizational level

Group 1 – General

Group 2 – Manufacturing (scope extension)

Group 3 – Power Generation (scope extension)

Group 8 – Oil and gas extraction, production and refining including petrochemicals (scope extension)

Group 9 – Waste (scope extension)

Group 10 – Agriculture, Forestry and Other Land Use (AFOU)

Validation of assertions related to GHG emission reductions & removals at the project level

Group 1 – GHG emission reductions from fuel combustion

Group 2 – GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)

Group 3 – Land Use and Forestry

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

Group 1 – GHG emission reductions from fuel combustion

Group 2 – GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)

Group 3 – Land Use and Forestry

Group 6 – Waste Handling and Disposal

Please send your comments by June 8, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW,11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

Scope Extension

Ruby Canyon Engineering, Inc.

Comment Deadline: June 8, 2015

In accordance with the following ISO standards:

ISO 14065:2013 Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Michael Cote
Ruby Canyon Engineering, Inc.
743 Horizon Court, Suite 385
Grand Junction, CO 85106
Phone: 970-241-9298, ext. 11

On May 4, 2015, the ANSI Greenhouse Gas Validation/Verification Body Accreditation Committee voted to approve Scope Extension for Ruby Canyon Engineering, Inc. for the following:

Verification of assertions related to GHG emissions and removals at the organizational level

Group 10 – Agriculture, Forestry and Other Land Use (AFOU)

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

Group 3 – Land Use and Forestry

Please send your comments by June 8, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW,11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Change in Name of Legal Entity

Drummond Group, LLC (formerly Drummond Group Inc.)

Comment Deadline: June 8, 2015

Mr. Bill Smith – Chief Financial Officer
Drummond Group, LLC (formerly Drummond Group Inc.)
13359 North Hwy 183, Ste B-406-238
Austin, TX 78750
Phone: 817-294-7339
Fax: 817-294-7950
E-mail: bill@drummondgroup.com
Web: www.drummondgroup.com

Ms. Jodi Gonzalez - Quality Manager
Drummond Group, LLC (formerly Drummond Group Inc.)
3359 North Hwy 183, Ste B-406-238
Austin, TX 78750
Phone: 512-599-1817
Fax: 817-294-7950
E-mail: JodiG@drummondgroup.com
Web: www.drummondgroup.com

Effective on April 7, 2015, the name of the legal entity was changed to Drummond Group, LLC from Drummond Group Inc. for the following scope:

The U.S. Department of Health and Human Services – Office of the National Coordinator 45 CFR PART 170 Subpart E-ONC HIT Certification Program Health Information Technology: Standards, Implementation Specifications, and Certification Criteria for Health Record Technology, 2014 Edition; Revisions to the Permanent Certification Program for Health Information Technology ONC HIT Certification Program (45 CFR Subpart E)

(a) Complete EHR certification; and/or

(b) EHR Module certification; and/or

(c) Certification of other types of HIT for which the Secretary has adopted certification criteria under subpart C of 45 CFR.

Please send your comments by June 8, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

Meeting Notices

AHRI Meetings

Revision of AHRI Standard 250 – Performance and Calibration of Reference Sound Sources

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting May 28 from 10 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Danny Abbate at dabbate@ahrinet.org.

Revision of AHRI Standards 430 (I-P) and 431 (SI) – Performance Rating of Central Station Air-handling Unit Supply Fans

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on a bi-weekly basis on Thursdays from 2 p.m. to 4 p.m. – April 30, May 14, May 28, June 11, June 25, July 9, July 23, August 6, and August 20. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mary Opalka at mopalka@ahrinet.org.

Revision of AHRI Standard 410 – Forced-Circulation Air-Cooling and Air-Heating Coils

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting every Wednesday from 12 p.m. to 1 p.m. between April 29 and August 26. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mary Opalka at mopalka@ahrinet.org.

Revision of AHRI Standards 550/590 (I-P) and 551-591 (SI) – Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding a face-to-face meeting at AHRI headquarters in Arlington, Va., on May 4 from 8 a.m. to 5 p.m. and May 5 from 8 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Rupal Choksi at rchoksi@ahrinet.org.

Revision of AHRI Standard 550/590 (I-P) and 551/591 (SI) – Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on May 14 from 10 a.m. to 11:30 a.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Rupal Choksi at rchoksi@ahrinet.org.

Revision of AHRI Standard 640 – Performance Rating of Commercial and Industrial Humidifiers

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting May 13 from 10 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Ted Wayne at twayne@ahrinet.org.

Revision of AHRI Standard 680 – Performance Rating of Residential Air Filter Equipment

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on May 14 from 1 p.m. to 3 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Ted Wayne at twayne@ahrinet.org.

Revision of Appendices C & D of AHRI Standard 700 – Specifications for Refrigerants

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on May 14 from 10 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mikelann Scerbo at mscerbo@ahrinet.org.

ASSE Z88 Meeting

ANSI/ASSE Z88 ASC for Respirator Protection, Sunday.
May 31, 2015, 2:30-4:00 pm
Marriott at City Creek, Salt Lake City, UT

For more information contact Tim Fisher at:

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Revisions to ANSI/BPI-2400-S-2012 Standard Practice for Standardized Qualification of Whole-House Energy Savings Predictions by Calibration to Energy Use History (May 2015)

[Note – Proposed revisions are seen below using strikeout for removal of old text and underline for proposed text. Only the marked-up text is available for comment. To view the proposed revisions within the full context of the standard and to submit comments, visit BPI Formal Public Comment Forum.]

3.2.1 Detailed Calibration Procedure

Note: When adjusting inputs to achieve an acceptable match between the operational model and the historical energy consumption, inputs with higher uncertainty and larger influence on the model shall be adjusted before inputs with lower~~low~~ uncertainty and smaller influence on the model; however, inputs that represent actual measurements or direct observations shall not be adjusted to achieve calibration. Examples of inputs that can have~~with~~ high uncertainty and large influence on the model include the R-values of uninsulated assemblies, duct or shell leakage that is not measured, use intensity of miscellaneous electric loads such as dehumidifier, etc. There can be multiple ways to adjust inputs in order to achieve sufficient agreement between model predictions and utility data. Thus, it is import to carefully select which inputs are adjusted, and in cases where multiple calibration solutions are obtained, to select the solution that is believed to be the most realistic and probable match. Statistical methods to estimate probable solutions, if available, are preferred over manual adjustments. The selected operational model that achieves an acceptable match is the calibrated pre-retrofit operational model.

3.2.2. Model Calibration Utility Bill Criteria

For metered energy sources such as electricity or natural gas, billing data shall be adequate to meet the following criteria. If these acceptance criteria A through G below are not met, the simplified calibration procedure (section 3.3) may be used as an alternate.

A. The most recent meter reading or usage measurement shall be within the past year;

B. The date of each meter reading is recorded;

C. The amount of energy use measured during that utility billing period is recorded;

D. Estimated reads: For the purpose of weather-normalization of the utility bills, the date of an estimated reading shall be eliminated and the estimated energy use shall be added to the energy use corresponding to the following actual reading, over the total time span since the previous actual reading.

E. Up to 2 of the billing periods may be eliminated from the analysis to account for atypical periods such as vacations.

F. For fuels that provide heating or cooling, the usage data after accounting for estimated readings and vacation periods must meet either of the following criteria:

   i. Span at least 330 days *or*

   ii. Span more than 183 days *and*

   - if fuel provides heating:
     - total HDDs in time span > 0.5 * $HDD65_{TMY}$
     - at least one period with HDD/day < 0.2 * $HDD65_{TMY}$ /365
     - at least one period with HDD/day > 1.2 * $HDD65_{TMY}$ /365.

- if fuel provides cooling:
  - total CDDs in time span > 0.5 * $CDD65_{TMY}$
  - at least one period with CDD/day < 0.2 * $CDD65_{TMY}$/365
  - at least one period with CDD/day > 1.2 * $CDD65_{TMY}$/365.

Where:
$HDD65_{TMY}$ = annual heating degree-days base 65°F from normal weather data (e.g., TMY2 or TMY3) consistent with the weather data used in the operational model
$CDD65_{TMY}$ = annual cooling degree-days base 65°F from normal weather data (e.g., TMY2 or TMY3) consistent with the weather data used in the operational model

G. For fuels that provide heating or cooling, run a regression of energy usage against local dry bulb temperatures or HDD/CDD in accordance with section 3.2.1.C.a.ii. The Coefficient of Variation of the Root Mean Square Error (CVRMSE) of the regression results shall be determined using equation 3.2.2.G.i:

$$CVRMSE = 100 \times [\sum(y_i - \hat{y}_i)^2/(n-p)]^{0.5} / \bar{y} \qquad \text{Eqn. 3.2.2.G.i}$$

Where:
n = number of billing periods
y = the consumption from a single utility bill
$\hat{y}$ = the fitted value using the regression results for the same utility bill period
$\bar{y}$ = the arithmetic mean of the sample of n utility bills
p = the number of parameters in the regression analysis of the utility bills. For example, a variable-base heating degree day (change-point) analysis has 3 parameters: degree day base, slope, and baseload.

The acceptance limit for the bill regression is a CVRMSE of <=20%.

3.2.3 Detailed Model Calibration Acceptance Criteria

If the acceptance criteria under section A or B below (as appropriate) are not met, the simplified calibration procedure (section 3.3) may be used as an alternate.

A. Acceptance Criteria for Simulation results using Weather-Normalized Utility Data

The Bias Error (BE) and Absolute Error (AE) shall be determined using equations 3.2.3.A.i and 3.2.3.A.ii, respectively for each end-use (baseload, heating, and cooling).

$$BE = \frac{(x_i - \hat{x}_i)}{\text{NAC}} \times 100 \qquad \text{Eqn. 3.2.3.A.i}$$

$$AE = |x_i - \hat{x}_i| \qquad \text{Eqn. 3.2.3.A.ii}$$

Where:
x =the weather-normalized consumption from the regression for an end-use
$\hat{x}$ = the simulation predicted value for the same end-use
NAC = the normalized annual consumption from the weather normalization for that end-use ~~(sum of baseload, heating and cooling)~~

Note: Sections 3.3.1 and 3.3.2 have been switched in order (i.e., Simplified Calibration Procedure was formerly 3.3.1 and Model Calibration Delivered Fuel Criteria was 3.3.2.) In addition, the following revisions are proposed.

3.3.1 Model Calibration Delivered Fuel Criteria

D. If the delivery records are detailed enough to meet the criteria under 3.2.~~1~~ 2 above, then detailed calibration shall be used for delivered fuel. Otherwise, simplified calibration shall be used.

3.3.2 Simplified Calibration Procedure

H. For fuels using this calibration option, compare the modeled annual energy consumption for each end-use, to the applicable NAHU, NACU, and NABU from Step D above, as follows:

$$BE = \frac{(\mathrm{NAxU} - \hat{x}_i)}{\mathrm{NAxU}} \times 100 \qquad \text{Eqn. 3.3.2.A.i}$$

$$AE = |\mathrm{NAxU} - \hat{x}_i| \qquad \text{Eqn. 3.3.2.A.ii}$$

Where:

$\hat{x}$ = the simulation predicted value for the same end-use

NAxU = the normalized annual consumption from the weather normalization for that end-use as defined above

The acceptance criteria for calculated simulation results using the simplified method is either |BE| <= 5%, or an AE <= 5 Mbtu (5 * 10^6 Btu) (for fossil fuels) or AE <= 500 kWh (for electricity).

E. Input adjustments ([refer to 3.2.2~~1~~.(C)(a)(v)]) may be made to the pre-retrofit operational model until the modeled consumption by end-use meets the acceptance criteria ~~use is within 5% of the normalized annual consumption for that fuel and end use~~. This may be done by the user, or by software, respecting all required input constraints in Section 3.4.

4.1 Operational Savings Calculation

Note: During the comparison, both the modeled and measured energy consumption shall be based either on actual weather, or "normal" weather. Although actual weather data may be used in the model when comparing to measured consumption that has not been weather-normalized, the final calibrated model shall use normal weather data for making savings predictions.

4.3 Total Equivalent Energy Savings Calculation~~s~~

4.3.1 Equivalent Energy Use

Energy units used in the calculation of *total equivalent energy savings* and *equivalent energy savings percentage* shall be in units of Equivalent Electric Energy ~~Power~~, using equivalent electric energy for all fossil fuels.[4] Equivalent electric energy use shall be calculated using Equation 4.3.1.i:

$$kWh_{eq} = kWh_{elec} + \frac{Btu_{fossil} * 0.4}{3412} \qquad \text{Eqn. 4.3.1.i}$$

[4] The total equivalent energy savings calculation provides a standardized method to combine multiple fuel types and end-uses in a home to represent the energy consumption and whole-house savings in consistent units. The use of equivalent energy savings does not preclude the reporting of specific estimated savings in appropriate fuel units for specific end-uses or recommended measures, or other metrics such as source or site energy savings that may apply to individual measures or a full project workscope.

4.3.2 Total Equivalent Energy Savings

Total equivalent energy savings shall be calculated as the difference between the whole-house projected equivalent energy use of the pre-retrofit model and the whole-house projected equivalent energy use of the post-retrofit model. Total equivalent energy savings shall be calculated for the calibrated operational model, except when a client, sponsor, lender, or other interested third party requires an asset-based total energy savings, in which case the asset-based model is used.

4.3.3 Equivalent Energy Savings Percentage

The equivalent energy savings percentage of the retrofit shall be calculated as the whole-house equivalent energy savings, as determined in Section 4.3.1 above, divided by the whole-house equivalent energy use of the pre-retrofit model, multiplied by 100. Equivalent Energy savings percentage shall be calculated for the calibrated operational model, except when a client, sponsor, lender, or other interested third party requires an asset-based energy savings percentage in which case the asset-based model is used.

Annex B: Terms and Definitions (Normative)

Calibrated model
Whole-building energy simulation in which the inputs are adjusted so that the modeled pre-retrofit energy consumption is within an acceptable range of the measured ~~weather-normalized~~ energy consumption

Operational-based savings
Savings estimate produced from the delta simulation using the same ~~actual~~ operating conditions and standard weather conditions in both the pre-retrofit and post-retrofit models, to simulate ~~projected~~ occupant behavior, while eliminating weather variations

BSR/ISEA Z308.1, Minimum Requirements for Workplace First Aid Kits and Supplies

Updating 2014 edition to address minor technical error specifically related to SPLINTS and to the KIT LABEL as noted below. Only the highlighted text is under consideration.

Table 1. Classes of First Aid Kits and Required Supplies

First Aid Supply	Minimum Quantity		Minimum Size or Volume	
	Class A Kits	Class B Kits	(US)	(metric)
Splint	0	1	~~4.5~~4.0 x 24 in.	~~11.4~~10.2 x 61 cm

6.17 Splint

Each splint shall be padded, made of malleable material and shall be at least ~~4.5~~ 4.0in. x 24 in. (~~11.4~~10.2 cm x 61.0 cm).

Figure 1A. ANSI/ISEA Z308.1-~~2014~~ 2015, Class A Kit Label

ANSI/ISEA Z308.1-~~2014~~ 2015, Class A, Type I, II, III or IV First Aid Kit
This kit meets the ANSI/ISEA Z308.1-~~2014~~ 2015 standard as sold. It contains first aid products which meet performance specifications detailed in the standard at the below required minimum fill. It will continue to be compliant only when maintained with products that meet the standard at specified quantities.

Figure 1B. ANSI/ISEA Z308.1-~~2014~~ 2015, Class B Kit Label

ANSI/ISEA Z308.1-~~2014~~ 2015, Class B, Type I, II, III or IV First Aid Kit
This kit meets the ANSI/ISEA Z308.1-~~2014~~ 2015 standard as sold. It contains first aid products which meet performance specifications detailed in the standard at the below required minimum fill. It will continue to be compliant only when maintained with products that meet the standard at specified quantities.

[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 Additives –

Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60: Drinking Water Treatment Chemicals – Health Effects

1 General

1.1 Purpose

This Standard establishes minimum requirements for certification bodies to be used when certifying products to NSF/ANSI 60 - Drinking Water Treatment Chemicals – Health Effects. These requirements are supplemental to those contained in ~~ISO Guide 65~~ ISO/IEC 17065 or ISO/IEC 17020 and do not replace the requirements of either ISO standard. By specifying this Standard, users of product certifications can communicate their expectation that certification activities addressed herein are performed in the particular manner described.

1.2 Scope

This Standard establishes requirements for activities to be performed when certification bodies certify products to NSF/ANSI 60, including documentation reviews, product testing, and facility audits conducted during surveillance.

1.3 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

~~ISO/IEC Guide 65: 1996 *General requirements for bodies operating product certification systems*[1]~~

ISO/IEC ~~Guide~~ 17020: 1998 *General criteria for the operation of various types of bodies performing inspection*[1]

[1] International Standardization Organization, 1 ch. De la Voie-Creuse, Case postale 56, CH 1211 Geneva, 20 Switzerland, <www.iso.org>.

ISO/IEC 17065: *Conformity Assessment – Requirements for Bodies Certifying Products, Processes and Services*[1]

NSF/ANSI 60 - *Drinking Water Treatment Chemicals – Health Effects*

Transparency International *Corruption Perception Index*, 2012[2]

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3 General requirements

~~ISO Guide 65~~ ISO/IEC 17065 and ISO ~~Guide~~ 17020 have no detailed requirements for certification systems, schemes or programs – only for certification bodies. This Standard is setting requirements for certification programs in which products shall be certified to NSF/ANSI 60.

Formal certification documents (~~ISO/IEC Guide 65, section 12.3~~ ISO/IEC 17065, section 7.8, and ISO/IEC ~~Guide~~ 17020) shall indicate that the certification system utilized fulfills this Standard, by noting: "*Products certified via a product certification program in accordance with NSF/ANSI 223."*

4 Product testing (during initial certification and on-going surveillance)

As part of initial certification and on-going surveillance (~~ISO/IEC Guide 65, Section 13~~ ISO/IEC 17065, section 7.9, and ISO/IEC ~~Guide~~ 17020), except as noted below, a product shall be sampled and tested at least once per calendar year for the chemistry-specific analytes contained in Tables 4.1, 5.1, 6.1 & 7.1 of NSF/ANSI 60 and other parameters identified in the product analytical summary from the formulation review. The product with the highest concentration may be tested as the representative of a series of analogous lower concentration products. For a blended, diluted, dissolved, re-packaged or transferred certified product, a minimum of one product sample per facility shall be tested annually. If a certification body has been unable to sample and test a product for 3 years since the last test date, it shall delist the product.

[2] Transparency International, Alt-Moablt 961, 10559 Berlin, Germany, <www.transparency.org>.

BSR/UL 132, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas

1. Moist Ammonia-Air Stress Cracking Test, Revised 6.9 and Section 16

6.9 A part made of drawn brass or machined from brass rod shall be subjected to the ~~10-Day~~ Moist Ammonia Air Stress Cracking Test - Test No. 6A, Section 16.

16 ~~10-Day~~ Moist Ammonia Air Stress Cracking Test - Test No. 6A

16.1 After being subjected to the conditions described in 16.2 - 16.4, a pressure-confining brass part containing more than 15 percent zinc shall: ~~show no evidence of cracking when examined using 25X magnification.~~

a) Show no evidence of cracking, delamination, or degradation; or

b) Perform as intended when tested as described in 16.4.

(CURRENT)

~~16.2 Each sample is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Such stresses are to be applied to the sample prior to and maintained during the test. Samples with threads, intended to be used for installing the product in the field, are to have the threads engaged and tightened as intended in normal use. Teflon tape or pipe compound is not to be used on the threads.~~

(PROPOSED)

16.2 One test sample of each size is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Samples with threads, intended to be used for installing the product in the field, are to have the threads engaged and tightened as intended in normal use. Polytetrafluoroethylene (PTFE) tape or pipe compound are not to be used on any threads.

(CURRENT)

~~16.3 Three samples are to be degreased and then continuously exposed in a set position for ten days to a moist ammonia-air mixture maintained in a 12 by 12 by 12 inch (305 by 305 by 305 mm) glass chamber having a glass cover.~~

(PROPOSED)

16.3 The samples are then to be tested in accordance with Apparatus, Reagents and Materials, Test Media, Test Sample Preparation, (9.3 - 9.4), and Test Procedure (10.1 - 10.4) of the Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, ASTM B858-06, except the pH level of the test solution shall be High 10.5 ±0.1 and the exposure temperature shall be 25 ±1°C.

(CURRENT)

~~16.4 Approximately 600 ml of aqueous ammonia having a specific gravity of 0.94 is to be maintained at the bottom of the glass chamber below the samples. The samples are to be positioned 1-1/2 inches (38.1 mm) above the aqueous ammonia solution and supported by an inert tray. The moist ammonia-air mixture in the chamber is to be maintained at atmospheric pressure and at a temperature of 34 ±2°C (93 ±3.5°F).~~

(PROPOSED)

16.4 After the exposure period, the samples are to be examined for cracks or other signs of stress corrosion using a microscope having a magnification of 25X. Pressure-confining parts exhibiting degradation as indicated in 16.1 as a result of the test exposure described in 16.2 and 16.3 shall withstand, without rupture, a hydrostatic test pressure of five times the rated pressure of the valve, for one minute.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Clarification of the Requirements for Gaskets and Seals Not Subject to Flexing Specified in Section 43

PROPOSAL

43.1 To determine acceptability in accordance with the Exception to 40.3, a material, used for a gasket, a diaphragm, a seal, or the like shall have the physical properties as specified in Table 43.1 before and after the accelerated aging specified in Table 43.2. The material shall not harden, deform, melt, or otherwise deteriorate to a degree that will adversely affect the sealing properties.

Exception No. 1: A material of a component not under compression need not be subjected to the compression set requirements.

Exception No. 2: A material that has been investigated in accordance with 43.5 may have physical properties other than as specified in ~~Table 43.1~~ 43.1.

Exception No. 3: ~~A noncomposite material that has been found to comply with the requirements in Table 4.1 of the Standard for Gaskets and Seals, UL 157, and that complies with the minimum acceptable elongation, tensile strength, set, and compression set after aging as specified in Table 43.1 is considered in compliance with these requirements.~~ Gaskets and seals used only for the environmental rating of the pump may comply with the requirements for gaskets in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E.

Table 43.1

Physical properties for gaskets and seals

Physical properties	Elastomers (neoprene, rubber, ethylene, propylene and the like),		Nonelastomers (polyvinyl chloride, and the like, excluding cork, fiber, and similar materials),	
	Before conditioning	After conditioning	Before conditioning	After conditioning
Minimum acceptable elongation[a]	~~250 percent~~ -	~~65~~ 60 percent of original	~~200 percent~~ -	~~65~~ 60 percent of original
Minimum acceptable tensile strength	~~1500 psi (10.3 MPa)~~ -	~~75~~ 60 percent of original	~~1500 psi (10.3 MPa)~~ -	~~75~~ 60 percent of original

Maximum acceptable set[b]	1/4 inch (6.4 mm)	-	Not specified	-
Maximum acceptable compression set[c]	15 percent	-	Not specified	-

[a] Percent increase in distance between gauge marks at break compared to initial distance of 1 inch (25.4 mm). For example, a distance at break of 3.5 inches (89 mm) is 250 percent elongation.

[b] Difference between 1 inch and final distance when the specimen is stretched so that gauge marks initially 1 inch apart are 2 inches (50.4 mm) apart, held for 2 minutes, and measured 2 minutes after release.

[c] Percent set measured after Type 1 button specimens are compressed by one-fourth of original thickness, unless the construction of the gasket joint effectively limits initial compression to less than one-third of original, in which case actual compression will be used, and heat conditioned for 22 ±½ hours at 70°C (158°F) or 10°C (18°F) higher than normal operating temperature, whichever is higher, following the procedure in Method B of the Standard Test Methods for Rubber Property - Compression Set, ASTM D395.

43.5 To determine acceptability in accordance with Exception No. 2 to 43.1, a gasket, a diaphragm, or a seal is to be subjected to accelerated-aging conditions specified in Table 43.2. The gasket, diaphragm, or seal is then to be installed in the associated pump ~~and subjected to the Submersion Test, Section 39, for 60 days~~. It is not prohibited to subject the entire pump assembly to the accelerated-aging conditions. When an entire pump assembly is subjected to the accelerated-aging test, the gasket, diaphragm, or seal temperature shall be monitored and maintained at the values indicated in Table 43.2. A submersible pump is then to be subjected to the Submersion Test, Section 39, for 60 days. All other pumps shall be subjected to a hydrostatic pressure test. The sample is to be filled with water so as to exclude air and is to be connected to a hydraulic pump. The pressure is to be raised to a value of 1.2 times the maximum pressure the pump can develop on the part and is to be held at that value for 1 minute. The results are in compliance when the part does not burst or leak.

BSR/UL 1769, Standard for Safety for Cylinder Valves

1. Addition of requirements for refrigerant

PROPOSAL

1.6 The type of refrigerant used in the system shall comply with the Standard for Refrigerants, UL 2182.

21A Tests of Gaskets and Seals Used in Refrigerant Systems

21A.1 General

21A.1.1 Gaskets and seals of neoprene, rubber, or polymeric material used to prevent refrigerant leaks shall comply with the requirements in 21A.2.1 - 21A.4.1.

21A.2 Tensile strength and elongation test

21A.2.1 Representative samples of each elastomeric material shall be subjected to this test in accordance with the Standard for Gaskets and Seals, UL 157, in the as-received condition, after the refrigerant exposure and oil immersion tests noted below. No minimum values are established for as-received samples. After exposure in each refrigerant and immersion in oil, the tensile strength and elongation shall not be less than 60 percent of original.

21A.3 Refrigerant exposure test

21A.3.1 Representative samples of each elastomeric material shall be exposed to the liquid phase of each refrigerant intended to be handled for 30 days at 158°F (70°C). The test apparatus shall include a pressure vessel of sufficient strength to adequately handle the test pressure developed and means of transferring the test fluid to the vessel.

21A.4 Oil immersion test

21A.4.1 Representative samples of each elastomeric material shall be immersed for 70 hours in IRM 903 oil. The samples and test fluid shall be at 70 ±3.6°F (21 ±2°C). The volume of the samples initially and at the conclusion of the immersion test shall be determined by the water displacement method and the percentage change and volume calculated. The material shall not show a volume change of more than 25 percent swelling or 1 percent shrinkage.

BSR/UL 2353, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire

1. Addition of glossary terms

3.4.1 INSULATING LAYER - A single, concentric thickness of material ~~insulation~~ that is detectable with an optical or mechanical measuring device. Enamel, bond coats, etc. are not considered insulating layers.~~Coloring dye that distinguishes the layer is acceptable.~~

3.7.1 SEPARABLE LAYERS - A construction that includes layers of ~~Construction of~~ insulation that ~~is intended to~~ may be separated in a non-destructive manner ~~and can be reassembled~~.

2. Addition of clear optical measurement testing procedure to Section 6

6 Thickness of Insulation

6.1 ~~Measurements from which the~~ The average thickness of insulation is to be determined ~~are to be made~~ by means of one of the following methods ~~instruments~~ : See 6.1.2.

a) Use of a machinist's micrometer caliper. The caliper is to have flat surfaces on the anvil and on the end of the spindle and is to be calibrated to read directly to at least 0.0001 inch or 0.001 mm.

b) Use of a dead-weight dial micrometer. The micrometer is to be capable of exerting the forces indicated in 6.3 (a) and (b) onto a sample through a flat, rectangular presser foot 0.078 by 0.375 inch or 1.98 by 9.52 mm. The anvil of the instrument is to be of the same dimensions as the presser foot.

c) A microscope or other optical instrument calibrated to read directly to at least 0.0001 inch or 0.001 mm is to be used to measure the maximum thickness of each insulation layer, conductor diameter and overall wire diameter.

6.1.2 Samples of the smallest and largest wire size are to be selected to represent the entire size range~~, provided the insulation thickness is the same for all sizes within the range~~ See 6.10. The layers are to be concentric and must be well defined. The use of

different color pigments for each layer has been found to aide in providing the necessary distinction between layers.

6.8 One thickness measurement is to be made in each of the 4 quadrants of the circular sample, for each layer as shown in Figure 6.1. The measurements shall be made at thickest point for each layer in a given quadrant. For example, a reinforced insulation wire consisting of 3 layers should have three measurements made in each quadrant, one for the inner most layer, one for the middle layer and one for the outer layer. The diameter of the conductor and the overall conductor diameter (conductor and all layers of insulation) shall also be measured in the same fashion as the individual layers. The same logic applies for basic and supplementary insulation. The thickness of an enameled, bond coat or other non-insulating layer is not required to be measured.

3. Addition of ramp rate and testing procedure for separable samples to Section 8

8.2 Additionally, for any wire evaluated for compliance with 5.1, five samples of each layer are to be subjected to an electric strength test in accordance with the requirements for electric strength, as specified in the following standards:

a) Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1; or the

b) Standard for Medical Electrical Equipment, Part 1: General Requirements for Safety, UL 60601-1.

The test voltage is to be in accordance with test voltages for electric strength tests, in UL 60950-1 or from UL 60601-1. ~~For extruded constructions, the~~ The voltage is to be applied between the conductor and foil wrapped in direct contact with the center 150 mm (6 inches) of the sample. For tape-wrapped constructions, the voltage is to be applied through each layer of tape for one- and two-layer constructions, and through all combinations of any two layers for three-layer constructions, by the means of flat-surfaced electrodes. The test voltage shall be applied at a rate of 500v/sec. to the specified test voltage and held for 60 seconds.

BSR/UL 2580, *Standard for Batteries for Use In Electric Vehicles*

1. Correction of IEC standard number.

5 Reference Publications

5.2 The following standards are referenced in this standard, and portions of these referenced standards as identified in this standard may be essential for compliance.

IEC Standards

IEC 62660-2 ~~60662-2~~
Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing

B1.2 The test conditions of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~, Section 4 are to be applied for the test program outlined in Section B2 below.

B1.3 The capacity of the cells shall be determined as outlined in 5.2 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.1.1 The cell shall be subjected to the vibration test as outlined in 6.1.1 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.2.1 The cell shall be subjected to the mechanical shock test as outlined in 6.1.2 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.3.1 The cell shall be charged in accordance with the manufacturer's specifications as outlined in 5.1 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~, and then subjected to a drop test as outlined in B2.3.2.

B2.4.1 The cell shall be subjected to the crush test as outlined in 6.1.3 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.5.1 The cell shall be subjected to the high temperature endurance test as outlined in 6.2.1 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.6.1 The cell shall be subjected to the temperature cycling test as outlined in 6.2.2.1.1 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.7.1 The cell shall be subjected to the external short circuit test as outlined in 6.3.1 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

B2.8.1 The cell shall be subjected to the overcharge test as outlined in 6.3.2 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

Exception: This test is not required if it can be determined that overcharge is reliably prevented by a control system meeting the requirements of 13.4 and cell state of charge is monitored at the cell level in the end use vehicle system.

B2.9.1 The cell shall be subjected to the forced discharge test as outlined in 6.3.3 of the Standard for Secondary lithium-Ion Cells for the Propulsion of Electric Road Vehicles - Part 2: Reliability and Abuse Testing, IEC 62660-2 ~~60662-2~~.

Exception: This test is not required if it can be determined that overdischarge is reliably prevented by a control system meeting the requirements of 13.4 that prevents overdischarge of cells and that monitors at the cell level in the end use vehicle system.

2. Clarification of the Overcharge Test and revision of the Isolation Test and External Fire Exposure Test.

5 Reference Publications

5.2 The following standards are referenced in this standard, and portions of these referenced standards as identified in this standard may be essential for compliance.

ISO Standards

ISO 12405-3
Electrically Propelled Road Vehicles - Test Specification for Lithium-Ion Traction Battery Packs and Systems - Part 3: Safety Performance Requirements

25 Overcharge Test

25.3 The test is to continue until ultimate results occur. Ultimate results are considered to have occurred when one of the following occurs:

a) The sample charging is terminated by the protective circuitry whether it is due to voltage or temperature controls. The DUT is monitored per 18.5 and 20.2; or

b) Where an automatic interrupt function fails to operate, or no such function for the charging is provided and the DUT is charged to 110% of its rated charge capacity or a manufacturer-specified limit. (reaching 110% of the rated charge capacity or ~~other~~ the manufacturer-specified charging limit would be considered as a failure of the overcharge evaluation); or

c) EESA failure occurs as evidenced by explosion, fire.

31 Isolation Resistance Test

31.2.1 As an exception to the method outlined in the Standard for Electrically Propelled Road Vehicles - Safety Specifications - Part 1: On-Board Rechargeable Energy Storage System (RESS), ISO 6469-1, an insulation resistance test using a dc voltage applied to the circuit under test may be conducted. For this method, the insulation resistance is to be measured using a megohmmeter after application of a dc voltage for 1 min that is higher than the circuit under test. (i.e. at least have the working voltage of the high voltage dc bus or circuit under test if higher).

31.5 For both (a) and (b) of 31.2 and 31.2.1, the isolation resistance divided by the maximum working voltage of the circuit under test, shall be at least 100 W/V for dc and 500 W/V for ac or for circuits containing both ac and dc parts.

42 External Fire Exposure Test

42.1 The purpose of this test is to determine an electrical energy storage assembly's ability to prevent an

explosion as a result of exposure to a simulated fuel or vehicle fire external to the electrical energy storage assembly.

Exception No. 1: If the cells employed in the assembly comply with the Standard for Lithium Batteries, UL 1642 or the Standard for Household and Commercial Batteries, UL 2054 projectile test, the assembly is exempted from this test.

Exception No. 2: Testing may be conducted at the module level that is representative of the energy storage assembly.

Exception No. 3: The test method outlined in the Exposure to Fire clause of the Standard for Electrically Propelled Road Vehicles - Test Specification for Lithium-Ion Traction Battery Packs and Systems - Part 3: Safety Performance Requirements, ISO 12405-3 may be performed instead. (This method has choice of either exposing the DUT to a 70-s direct flame exposure followed by a 60-s indirect flame exposure or exposing the DUT to 120 s of direct flame exposure.)

42.4 Within 5 min of ignition, at least one thermocouple shall indicate a minimum temperature of 590°C (1094°F). The test is concluded when this minimum temperature indication of 590°C (1094°F) has been maintained for ~~20~~ 10 min.

3. Revision of samples numbers for cell testing in 16.2 and 16.3.

16 Cells (Battery and Electrochemical Capacitor)

16.2 Lithium ion cells shall comply with the requirements for secondary lithium cells in the Standard for Lithium Batteries, UL 1642 with modifications as outlined in Exception No. 1 - 4 below.

Exception No. 1: The overall dimensions of the projectile test aluminum test screen may be increased from those outlined in the Standard for Lithium Batteries, UL 1642 to accommodate large cells intended for EV applications but the flat panels of the test screen shall not exceed a distance of 305 mm (12 in) from the cell in any direction.

Exception No. 2: The overall external resistance for the short circuit test shall be less than or equal to 20 mW.

Exception No. 3: The crush test shall be a bar crush test rather than a flat plate crush using a bar with a 15-cm (5.9-in) diameter. The force is to be to be applied until one of the following occurs first:

a) A voltage (OCV) drop of one-third of the original cell voltage occurs; or

b) A deformation of 15% or more of initial cell dimension occurs; or

c) A force of 1000 times the weight of cell is reached.

Exception No. 4: For cells whose weight is greater than 500 g, the maximum temperature of the heating test shall be held for 30 min rather than 10 min.

Exception No. 5: The requirements outlined in Annex B may be used instead of the Standard for Lithium Batteries, UL 1642 for lithium ion cells and Exception No. 1 - 3 above.

Exception No. 6: The sample numbers for cell testing are to be reduced from 5 samples per test to 2 samples per test.

16.3 Nickel based cells shall comply with the cell requirements in the Standard for Household and Commercial Batteries, UL 2054.

Exception No. 1: The overall dimensions of the projectile test aluminum test screen may be increased from those outlined in the Standard for Household and Commercial Batteries, UL 2054 to accommodate large cells intended for EV applications but the flat panels of the test screen shall not exceed a distance of 305 mm (12 in) from the cell in any direction.

Exception No. 2: The overall external resistance for the short circuit test shall be less than or equal to 20 mW.

Exception No. 3: The crush test shall be a bar crush test rather than a flat plate crush using a bar with a 15-cm (5.9-in) diameter. The force is to be to be applied until one of the following occurs first:

a) A voltage (OCV) drop of one-third of the original cell voltage occurs; or

b) A deformation of 15% or more of initial cell dimension occurs; or

c) A force of 1000 times the weight of cell is reached.

Exception No. 4: The sample numbers for cell testing are to be reduced from 5 samples per test to 2 samples per test.

Exception No. 5 ~~4~~: Nickel based cells that are sealed and formed as part of a monobloc battery, need only comply with the test requirements of this standard as part of the assembled battery/module.