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: March 12, 2017

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

New Standard

BSR/ASHRAE Standard 214P-201x, Standard for Determining and Expressing Building Energy Performance in a Rating Program (new standard)

There is no standard that provides guidance for the design of a building rating system. There are many commercial entities that are rating buildings utilizing a number of different systems yielding varying results. ASHRAE's Executive Committee spoke with several government and regulatory agencies as to the need and viability for this standard. The feedback received was an overwhelming need for a standard that provides uniformity in the building energy labeling and disclosure process. Std. 214 fulfills this need and is intended to provide a consensus standard that can be used in international, national and regional legislation, policy making, and regulation activities.

Click here to view these changes in full

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

IAPMO (International Association of Plumbing & Mechanical Officials)

Revision

BSR/IAPMO Z1002-201x, Rainwater Harvesting Tanks (revision of ANSI/IAPMO Z1002-2014)

This Standard covers rainwater harvesting tanks and specifies requirements for design, materials, manufacture, performance, testing, and markings. Rainwater harvesting tanks covered by this Standard are (a) made of concrete, fiber-reinforced polyester, steel, thermoplastics, wood, or vinyl-coated polyester or steel reinforced polyethylene; (b) prefabricated or assembled at the site of final installation; (c) intended for aboveground or buried installations; (d) intended for stationary (i.e., fixed) installations only; (e) intended for indoor and outdoor applications; and (f) intended for atmospheric pressure (i.e., non-pressurized) applications only.

Click here to view these changes in full

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

NFSI (National Floor Safety Institute)

New Standard

BSR/NFSI B101.8-201x, Standard Guide for Floor Safety Management Program for Slip, Trip and Fall Prevention (new standard)

This standard sets forth criteria to assist organizations in their efforts to establish a floor safety management program including the roles and the responsibilities of management, supervisory, and operational levels using accepted best practices to prevent and mitigate the risks of slips, trips, and falls on walkways (S/T/F's).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Laura Cooper, laurac@nfsi.org

NSF (NSF International)

Revision

BSR/NSF 46-201x (i29r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)

This Standard is intended for use with components and devices not covered by other NSF wastewater standards. Components and devices covered by this Standard are intended for use with greywater or blackwater or both. Management methods for the end-products of these components and devices are not addressed in this Standard. This Standard shall in no way restrict new system designs, provided that such designs meet the minimum specifications described in this standard.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (Proposals dated 2/10/17) (revision of ANSI/UL 758-2016)

Norm conformity with the Standard for Conductors of Insulated Cables, IEC 60228.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 962-201x, Standard for Household and Commercial Furnishings (revision of ANSI/UL 962-2016)

1. Addition of production line tests.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Ritu Madan, (847) 664-3297, ritu.madan@ul.com

Comment Deadline: March 27, 2017

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 5366-201x, Anaesthetic and respiratory equipment - Tracheostomy tubes and connectors (identical national adoption of ISO 5366:2016 and revision of ANSI/AAMI/ISO 5366-1-2003 (R2014); ANSI/ISO 5366-3-2009 (R2014))

Specifies requirements for adult and pediatric tracheostomy tubes and connectors. Such tubes are primarily designed for patients who require anesthesia, artificial ventilation, or other respiratory support.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/documents?view=

Order from: https://standards.aami.org/kws/public/documents?view=

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 11137-3-201x, Sterilization of health care products - Radiation - Part 3: Guidance on dosimetric aspects of development, validation and routine control (identical national adoption of ISO 11137 -3:2006 and revision of ANSI/AAMI/ISO 11137-3-2006 (R2010))

Gives guidance on meeting the requirements in ISO 11137-1 and ISO 11137 -2 and in ISO/TS 13004 relating to dosimetry and its use in development, validation and routine control of a radiation sterilization process.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/documents?view=

Order from: https://standards.aami.org/kws/public/documents?view=

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME NQA-1-201x, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2015)

This Standard provides requirements and guidelines for the establishment and execution of quality assurance programs during siting, design, construction, operation, and decommissioning of nuclear facilities. This Standard reflects industry experience and current understanding of the quality assurance requirements necessary to achieve safe, reliable, and efficient utilization of nuclear energy, and management and processing of radioactive materials. The Standard focuses on the achievement of results, emphasizes the role of the individual and line management in the achievement of quality, and fosters the application of these requirements in a manner consistent with the relative importance of the item or activity.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Oliver Martinez, (212) 591 -7005, martinezo@asme.org

ASTM (ASTM International)

New Standard

BSR/ASTM F645-201x, Guide for Selection, Design, and Installation of Thermoplastic Water-Pressure Piping Systems (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM F1282-201x, Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

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

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM F2135-201x, Specification for Molded Drain, Waste, and Vent (DWV) Short-Pattern Plastic Fittings (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM F2176-201x, Specification for Mechanical Couplings Used on Polyethylene Conduit, Duct and Innerduct (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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ASTM (ASTM International)

New Standard

BSR/ASTM F2929-201x, Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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ASTM (ASTM International)

Revision

BSR/ASTM D4068-201x, Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane (revision of ANSI/ASTM D4068-2015)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM D5677-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type, for Aviation Jet Turbine Fuel Lines (revision of ANSI/ASTM D5677-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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ASTM (ASTM International)

Revision

BSR/ASTM E2169-201x, Practice for Selecting Antimicrobial Pesticides for Use in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2169-2012)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Revision

BSR/ASTM F2389-201x, Specification for Pressure-Rated Polypropylene (PP) Piping Systems (revision of ANSI/ASTM F2389-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1384-2007 (R2013), Practice for Content and Structure of the Electronic Health Record (EHR) (withdrawal of ANSI/ASTM E1384-2007 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1633-2008 (R2013), Specification for Coded Values Used in the Electronic Health Record (withdrawal of ANSI/ASTM E1633-2008 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1714-2007 (R2013), Guide for Properties of a Universal Healthcare Identifier (UHID) (withdrawal of ANSI/ASTM E1714-2007 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1715-2001 (R2013), Practice for an Object-Oriented Model for Registration, Admitting, Discharge, and Transfer (RADT) Functions in Computer-Based Patient Record Systems (withdrawal of ANSI/ASTM E1715-2001 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1762-1997 (R2013), Guide for Electronic Authentication of Health Care Information (withdrawal of ANSI/ASTM E1762-1997 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1869-2014, Guide for Confidentiality, Privacy, Access, and Data Security Principles for Health Information Including Electronic Health Records (withdrawal of ANSI/ASTM E1869-2014)

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1972-2004 (R2011), Practice for Minimizing Effects of Aerosols in the Wet Metal Removal Environment (withdrawal of ANSI/ASTM E1972-2004 (R2011))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1985-1998 (R2013), Guide for User Authentication and Authorization (withdrawal of ANSI/ASTM E1985-1998 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E1986-2009 (R2013), Guide for Information Access Privileges to Health Information (withdrawal of ANSI/ASTM E1986-2009 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E2145-2007 (R2013), Practice for Information Modeling (withdrawal of ANSI/ASTM E2145-2007 (R2013))

http://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E2147-2009 (R2013), Specification for Audit and Disclosure Logs for Use in Health Information Systems (withdrawal of ANSI/ASTM E2147-2009 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E2171-2002 (R2013), Practice for Rating-Scale Measures Relevant to the Electronic Health Record (withdrawal of ANSI/ASTM E2171 -2002 (R2013))

http://www.astm.org/ANSI_SA

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ASTM (ASTM International)

Withdrawal

ANSI/ASTM E2595-2007 (R2013), Guide for Privilege Management Infrastructure (withdrawal of ANSI/ASTM E2595-2007 (R2013))

http://www.astm.org/ANSI_SA

Single copy price: Free

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HL7 (Health Level Seven)

Reaffirmation

BSR/HL7 EHRRXPROVFP, R1-2012 (R201x), HL7 EHR-System Pharmacist/Pharmacy Provider Functional Profile, Release 1- US Realm (reaffirmation of ANSI/HL7 EHRRXPROVFP, R1-2012)

The Pharmacist/Pharmacy Provider Functional Profile facilitates EHR systems' capture of medication and clinical-related data at the point of contact or point of care by specifying the functional requirements needed to support messaging among prescribers, pharmacist and pharmacy providers, and other health care entities needing medication-related information.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

HL7 (Health Level Seven)

Reaffirmation

BSR/HL7 V3 ME DKBQ, R1-2012 (R201x), HL7 Version 3 Standard: Medication; Knowledge-Base Query, Release 1 (reaffirmation of ANSI/HL7 V3 ME DKBQ, R1-2012)

This standards covers the issuing of queries to medication knowledge-base applications for such information as medication composition, characteristics, and dosage instructions.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

NEMA (ASC C137) (National Electrical Manufacturers Association)

New Standard

BSR/C137.3-201x, Standard for Lighting Systems - Minimum Requirements for installation of Energy Efficient Power over Ethernet (PoE) Lighting Systems (new standard)

This standard specifies the requirements for limiting energy losses due to cable selection when installing PoE lighting systems. This standard is not meant to replace existing PoE standards, but to build on them by addressing this specific area in installation of PoE lighting systems.

Single copy price: $50.00

Obtain an electronic copy from: karen.willis@nema.org

Order from: Karen Willis, (703) 841-3277, Karen.willis@nema.org

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

NPES (ASC CGATS) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Revision

BSR IT8.6-201x, Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (revision of ANSI IT8.6-2002 (R2013))

This standard establishes a data exchange format to enable transfer of numerical control information between diecutting systems and between diecutting systems and electronic prepress systems. The information will typically consist of numerical control information used in the manufacture of dies.

Single copy price: $22.00

Obtain an electronic copy from: dorf@npes.org

Order from: Debra Orf, (703) 264-7200, dorf@npes.org

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

SPRI (Single Ply Roofing Institute)

Revision

BSR/SPRI VR-1-201x, Procedure for Investigating Resistance Root Penetration on Vegetative Roofs (revision and redesignation of ANSI/GRHC/SPRI VR-1-2011)

This test standard examines the ability of a root protection barrier to prevent root penetration through the waterproofing layer on low-slope single-ply membrane and coated roofs. This procedure includes testing of penetration barriers including all seams edges and methods of attachment. This test standard excludes any lamination, i.e., a separate layer installed over the penetration barrier. The penetration barrier may be, but is not limited to, the waterproofing layer itself. The findings for any membrane or coating which has been tested shall not apply to plants with strong rhizome growth (e.g., bamboo or Chinese reeds varieties).

Single copy price: $5.00

Obtain an electronic copy from: info@spri.org

Order from: info@spri.org / Linda King

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 470.120-D-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Speakerphones (revision and redesignation of ANSI/TIA 470.120-C-2011)

Revise the current test methods and specifications. Update document structure and bring the format up-to-date.

Single copy price: $112.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1715-2003 (R201x), Standard for Safety for Fire Test of Interior Finish Material (reaffirmation of ANSI/UL 1715-2003 (R2013))

UL proposes a reaffirmation for ANSI approval of UL 1715.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Mary Huras, (613) 368 -4425, Mary.Huras@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 514A-201x, Standard for Safety for Metallic Outlet Boxes (revision of ANSI/UL 514A-2015)

(1) Addition of requirement for solid or stranded copper equipment grounding conductor lead; (2) Correction in explanatory or approximate value in clause 12.8.2.1(c).

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549 -1053, Joshua.Johnson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 567-201x, Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Petroleum Products and LP-Gas (revision of ANSI/UL 567-2014)

The following is being proposed for revision: Revision to the hydrostatic-strength test with respect to single-break emergency breakaway fittings.

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

Comment Deadline: April 11, 2017

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

Revision

BSR/ASHRAE Standard 72-201x, Method of Testing Open and Closed Commercial Refrigerators and Freezers (revision of ANSI/ASHRAE Standard 72-2014)

ASHRAE Standard 72-2014R prescribes a uniform method of testing open and closed refrigerators and freezers for rating so that comparative evaluations can be made of energy consumption, product temperature performance, refrigeration load, the suction pressures required, and other performance factors.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60730-2-12-201X, Standard for Automatic Electrical Controls - Part 2-12: Particular Requirements for Electrically Operated Door Locks (national adoption of IEC 60730-2-12 with modifications and revision of ANSI/UL 60730-2-12-2014)

The IEC published the third edition of IEC 60730-2-12 in April 2015. Therefore, UL is proposing the third edition of UL 60730-2-12.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1 -888-853-3503

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

Technical Reports Registered with ANSI

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

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

ARMA (ARMA International)

ARMA International TR 29-2017, Vital Records (Technical Report) (technical report)

Within the context of information governance, this publication addresses the elements associated with the establishment of a vital records program within an organization. It is an educational guide with state-of-the-art information on: (1) the main components of a vital records program and (2) the role of risk management in a vital records program.

Single copy price: $TBD

Order from: ARMA International, www.arma.org/go/prod/V5029

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

B11 (B11 Standards, Inc.)

B11.TR5-2006 (R2017), Noise Level Measurement Guidelines: A guide for measuring, evaluating, documenting and reporting noise levels emitted by machinery (Technical Report) (technical report)

Reaffirmation of B11.TR5-2006. This Technical Report specifies methods for measuring, evaluating and documenting sound pressure levels emitted by a machine or machine production system(s) during normal operation and when running at idle. This technical report provides guidance for measuring and recording machine sound pressure levels that are the most compatible with the actual conditions encountered in industry, and allows the user to select equipment using “buy-quiet purchase specifications” or to estimate the effect particular machinery will have on existing sound pressure levels once it is installed in the user’s facility.

Sound pressure levels emitted by machines or machine production systems is frequently referred to as “noise.” This Technical Report considers the terms “Noise” and “Sound” as synonymous.

Single copy price: $50.00

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org; DFelinski@plasticsindustry.org

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

B11 (B11 Standards, Inc.)

B11.TR7-2007 (R2017), Designing for Safety and Lean Manufacturing: A guide on Integrating Safety and Lean Manufacturing Principles in the Use of Machinery (TECHNICAL REPORT) (technical report)

This ANSI Technical Report provides guidance on the practical application of safety and lean manufacturing principles to machines and manufacturing systems for improving performance, safety and quality by reducing injury and waste. The guidance in this technical report assists machine tool suppliers and users in minimizing waste and risk associated with machines and manufacturing systems, including individual and integrated machine tools and auxiliary components.

NOTE: This document does not provide detailed guidance on lean methodologies, the risk assessment process or how to reduce risk. Readers seeking detailed guidance on these topics should consult the references listed in clause 2, the B11 series of American National Standards or other sources.

Single copy price: $50.00

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org; DFelinski@plasticsindustry.org

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

Projects Withdrawn from Consideration

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

ASME (American Society of Mechanical Engineers)

BSR/ASME A112.6.8-201x, Trench Drains (revision and partition of ANSI/ASME A112.6.3-2001 (R2007))

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

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE 50-201x, Test Procedure for Measuring Regularity of Impedance of Coaxial Cable (revision of ANSI/SCTE 50-2007)

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE 76-201x, Antenna Selector Switches (revision of ANSI/SCTE 76 -2012)

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE 169-1-201x, IPCablecom SMA - Part 1: Security, Monitoring, and Automation Architecture Framework - Technical Report (revision of ANSI/SCTE 169-1-2010)

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE 169-2-201x, IPCablecom SMA - Part 2: Security, Monitoring, and Automation Specification (revision of ANSI/SCTE 169-2-2010)

SCTE (Society of Cable Telecommunications Engineers)

BSR/SCTE 169-3-201x, IPCablecom SMA - Part 3: Security, Monitoring, and Automation Provisioning Specification (revision of ANSI/SCTE 169-3-2010)

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ASTM (ASTM International)

ANSI/ASTM D7796-2012, Test Method for Analysis of Ethyl Tertiary-Butyl Ether by Gas Chromatography

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ASTM (ASTM International)

ANSI/ASTM F412-2015, Terminology Relating to Plastic Piping Systems

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ASTM (ASTM International)

ANSI/ASTM F1437-2006, Practice for Inclined Cargo Tank Ladders

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ASTM (ASTM International)

ANSI/ASTM F2720-2016, Specification for Glass Fiber Reinforced Polyethylene (PE-GF) Spiral Wound Large Diameter Pipe

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 22-1-2012, Data-Over-Cable Service Interface Specification DOCSIS 1.0 Radio Frequency Interface (RFI)

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 22-2-2012, Data-Over-Cable Service Interface Specification DOCSIS 1.0 Baseline Privacy Interface (BPI)

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 22-3-2012, Data-Over-Cable Service Interface Specification DOCSIS 1.0 Operations Support System Interface (OSSI)

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 50-2007, Procedure for Measuring Regularity of Impendance of Coaxial Cable

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 76-2012, Antenna Selector Switches

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 169-1-2010, IPCablecom SMA - Part 1: Architecture Framework - Technical Report

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 169-2-2010, IPCablecom SMA - Part 2: Security, Monitoring, and Automation Specification

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

SCTE (Society of Cable Telecommunications Engineers)

ANSI/SCTE 169-3-2010, IPCablecom SMA - Part 3: Provisioning Specification

Questions may be directed to: Kim Cooney, (800) 542-5040, kcooney@scte.org

Call for Members (ANS Consensus Bodies)

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

ASA (ASC S3) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747
Contact: *Neil Stremmel*
Phone: (631) 390-0215
Fax: (631) 923-2875
E-mail: asastds@acousticalsociety.org

BSR ASA S3.71-201x, Methods for Measuring Free-Field Directional Sound Localization in the Horizontal Plane (new standard)

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068
Contact: *Ovidiu Munteanu*
Phone: (847) 232-2012
Fax: (847) 699-2929
E-mail: OMunteanu@ASSE.org

BSR/ASSE A1264.2-201X, Provision of Slip Resistance on Walking/Working Surfaces (revision of ANSI/ASSE A1264.2-2012)

BSR/ASSE Z9.5-201X, Laboratory Ventilation (revision and redesignation of ANSI/AIHA Z9.5-2010)

CEMA (Conveyer Equipment Manufacturers Association)

Office: 5672 Strand Court
Suite 2
Naples, FL 34110
Contact: *Philip Hannigan*
Phone: (239) 514-3441
Fax: (239) 514-3470
E-mail: phil@cemanet.org

BSR/CEMA 102-201x, Conveyor Terms and Definitions (revision of ANSI/CEMA 102-2012)

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 259-201x, Rigid Coaxial Transmission Lines and Connectors, 75 Ohms (new standard)

IIAR (International Institute of Ammonia Refrigeration)

Office: 1001 N. Fairfax Street
Suite 503
Alexandria, VA 22314-1797
Contact: *Eric Smith*
Phone: (703) 312-4200
Fax: (703) 312-0065
E-mail: eric.smith@iiar.org

BSR/IIAR 2-2014, Addendum A-201x, Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems (supplement to ANSI/IIAR 2-2014)

NEMA (ASC C137) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street, Suite 900
Rosslyn, VA 22209
Contact: *Karen Willis*
Phone: (703) 841-3277
E-mail: Karen.willis@nema.org

BSR/C137.3-201x, Standard for Lighting Systems-Minimum Requirements for installation of Energy Efficient Power over Ethernet (PoE) Lighting Systems (new standard)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Contact: *Lauren Panoff*
Phone: (734) 769-5197
E-mail: lpanoff@nsf.org

BSR/NSF 46-201x (i29r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 470.120-D-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Speakerphones (revision and redesignation of ANSI/TIA 470.120-C-2011)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Suite 400
Research Triangle Park, NC 27709-3995

Contact: *Mary Huras*

Phone: (613) 368-4425

E-mail: Mary.Huras@ul.com

BSR/UL 1715-2003 (R201x), Standard for Safety for Fire Test of Interior Finish Material (reaffirmation of ANSI/UL 1715-2003 (R2013))

BSR/UL 60730-2-12-201X, Standard for Automatic Electrical Controls - Part 2-12: Particular Requirements for Electrically Operated Door Locks (national adoption of IEC 60730-2-12 with modifications and revision of ANSI/UL 60730-2-12-2014)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

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

AGA (ASC B109) (American Gas Association)

Revision

* ANSI B109.4-2017, Self-Operated Diaphragm Type Natural Gas Service Regulators (revision of ANSI B109.4-1998 (R2008)): 2/3/2017

AGMA (American Gear Manufacturers Association)

Reaffirmation

ANSI/AGMA 2116-A05 (R2017), Evaluation of Double Flank Testers for Radial Composite Measurement of Gears (reaffirmation of ANSI/AGMA 2116-A05 (R2011)): 2/2/2017

ALI (Automotive Lift Institute)

Revision

* ANSI/ALI ALCTV-2017, Standard for Automotive Lifts - Safety Requirements for Construction, Testing and Validation (revision of ANSI/ALI ALCTV-2011): 1/24/2017

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 19.3-2011 (R2017), Steady-State Neutronics Methods for Power Reactor Analysis (reaffirmation of ANSI/ANS 19.3-2011): 1/24/2017

APA (APA - The Engineered Wood Association)

Revision

* ANSI A190.1-2017, Standard for Wood Products - Structural Glued Laminated Timber (revision of ANSI A190.1-2012): 1/24/2017
* ANSI/APA PRR 410-2016, Standard for Performance Rated Engineered Wood Rim Boards (revision of ANSI/APA PRR-410 -2011): 1/24/2017

API (American Petroleum Institute)

New Standard

ANSI/API MPMS Chapter 9.4, 1st edition-2017, Continuous Density Measurement Under Dynamic (Flowing) Conditions (new standard): 1/25/2017

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASABE AD4254-11-JAN2012 (R2017), Agricultural machinery - Safety - Part 11: Pick-up balers (reaffirmation of ANSI/ASABE AD4254-11-2012): 1/30/2017

ANSI/ASABE/ISO 4252-MAY2012 (R2017), Agricultural tractors - Operator's workplace, access and exit - Dimensions (reaffirmation of ANSI/ASABE/ISO 4252-2012): 1/30/2017

ANSI/ASAE S424.1-SEP92 (R2017), Method of Determining and Expressing Particle Size of Chopped Forage Materials by Screening (reaffirmation of ANSI/ASAE S424.1-SEP92 (R2012)): 1/30/2017

ANSI/ASAE S472-MAR 88 (R2017), Terminology for Forage Harvesters and Forage Harvesting (reaffirmation of ANSI/ASAE S472-MAR 88 (R2012)): 1/30/2017

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

ANSI X9.44-2007 (R2017), Key Establishment Using Integer Factorization Cryptography (reaffirmation of ANSI X9.44-2007): 2/2/2017

ANSI X9.63-2011 (R2017), Key Agreement and Key Management Using Elliptic Curve-Based Cryptography (reaffirmation of ANSI X9.63-2001): 2/2/2017

ANSI X9.82-4-2011 (R2017), Random Number Generation - Part 4: Random Bit Generator Constructions (reaffirmation of ANSI X9.82-4 -2011): 2/2/2017

ANSI X9.92-1-2009 (R2017), Public Key Cryptography for the Financial Services Industry - Digital Signature Algorithms Giving Partial Message Recovery - Part 1: Elliptic Curve Pintsov-Vanstone Signatures (ECPVS) (reaffirmation of ANSI X9.92 Part 1-2009): 2/2/2017

ANSI X9.97-1-2009 (R2017), Secure Cryptographic Devices (Retail) - Part 1: Concepts, Requirements and Evaluation Methods (reaffirmation of ANSI X9.97-1-2009): 2/2/2017

ANSI X9.97-2-2009 (R2017), Secure Cryptographic Devices (Retail) - Part 2: Security Compliance Checklists for Devices Used in Financial Transactions (reaffirmation of ANSI X9.97-2-2009): 2/2/2017

ANSI X9.98-2010 (R2017), Lattice-Based Polynomial Public Key Encryption Algorithm - Part 1: Key Establishment; Part 2: Data Encryption (reaffirmation of ANSI X9.98-2010): 2/2/2017

ANSI X9.102-2008 (R2017), Symmetric Key Cryptography for the Financial Services Industry - Wrapping of Keys and Associated Data (reaffirmation of ANSI X9.102-2008): 2/2/2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B29.15M-1997 (R2017), Steel Roller Type Conveyor Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.15M-1997 (R2009)): 1/30/2017

ANSI/ASME B29.200-2001 (R2017), Welded-Steel-Type Mill Chains, Welded-Steel-Type Drag Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.200-2001 (R2009)): 1/30/2017

ANSI/ASME PTC 31-2011 (R2017), High-Purity Water Treatment System (reaffirmation of ANSI/ASME PTC 31-2011): 1/24/2017

ASSE (Safety) (American Society of Safety Engineers)

Reaffirmation

ANSI/ASSE Z10-2012 (R2017), Occupational Health and Safety Management Systems (reaffirmation and redesignation of ANSI/AIHA Z10-2012): 2/2/2017

Revision

ANSI ASSE Z359.3-2017, Safety Requirements for Lanyards and Positioning Lanyards (revision of ANSI ASSE Z359.3-2007): 2/2/2017

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0600010.01-2017, Temperature, Humidity, Altitude, and Salt Fog Requirements for Network Telecommunications Equipment Utilized in Outside Plant Environments (revision of ANSI/ATIS 0600010.01-2014): 1/30/2017

AWS (American Welding Society)

Revision

ANSI/AWS D16.3M/D16.3-2017, Risk Assessment Guide for Robotic Arc Welding (revision of ANSI/AWS D16.3M/D16.3-2008): 1/24/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA B200-2017, Sodium Chloride (revision of ANSI/AWWA B200-2012): 1/24/2017

ANSI/AWWA B602-2017, Copper Sulfate (revision of ANSI/AWWA B602-2008): 1/30/2017

ANSI/AWWA C510-2017, Double-Check Valve Backflow Prevention Assembly (revision of ANSI/AWWA C510-2007): 1/24/2017

ANSI/AWWA C511-2017, Reduced-Pressure Principle Backflow Prevention Assembly (revision of ANSI/AWWA C511-2007): 1/24/2017

ANSI/AWWA C602-2017, Cement-Mortar Lining of Water Pipelines in Place - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C602 -2011): 1/24/2017

ANSI/AWWA G440-2017, Emergency Preparedness Practices (revision of ANSI/AWWA G440-2011): 1/24/2017

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revision

ANSI/BIFMA X5.1-2017, General-Purpose Office Chairs - Tests (revision of ANSI/BIFMA X5.1-2011): 2/2/2017

CTA (Consumer Technology Association)

New Standard

* ANSI/CTA 2051-2017, Personal Sound Amplification Performance Criteria (new standard): 1/30/2017

Reaffirmation

* ANSI/CTA 2015-2007 (R2017), Mobile Electronics Cabling Standard (reaffirmation of ANSI/CTA 2015-2007): 1/30/2017

ECIA (Electronic Components Industry Association)

Reaffirmation

ANSI/EIA 364-13E-2011 (R2017), Mating and Unmating Force Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-13E-2011): 2/2/2017

ANSI/EIA 364-17C-2011 (R2017), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011): 2/2/2017

ANSI/EIA 364-27C-2011 (R2017), Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-27C-2011): 2/2/2017

ANSI/EIA 364-28F-2011 (R2017), Vibration Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364 -28F-2011): 2/2/2017

ANSI/EIA 364-56E-2011 (R2017), Resistance to Soldering Heat Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-56E-2011): 2/2/2017

ANSI/EIA 364-1005-2011 (R2017), Environmental Test Methodology for Determining the Susceptibility of Contacts to Fretting Corrosion (reaffirmation of ANSI/EIA 364-1005-2011): 2/2/2017

ANSI/EIA 948-2004 (R2017), Component Tray for Automated Handling (reaffirmation of ANSI/EIA 948-2004 (R2011)): 2/3/2017

FM (FM Approvals)

New Standard

ANSI/FM 3265-2017, Spark Detection and Extinguishing Systems (new standard): 1/30/2017

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

New Standard

ANSI C63.5-2017, Draft Standard for Electromagnetic 3 Compatibility - Radiated Emission 4 Measurements in Electromagnetic 5 Interference (EMI) Control - Calibration 6 and Qualification of Antennas (9 kHz to 7 40 GHz) (new standard): 1/31/2017

IESNA (Illuminating Engineering Society of North America)

Revision

ANSI/IES LM-80-15 Errata-2017, IES Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules (revision of ANSI/IES LM-80-2015): 2/2/2017

ANSI/IESNA RP-30-2016, Recommended Practice for Museum Lighting (revision of ANSI/IESNA RP-30-1996 (R2008)): 1/30/2017

NCPDP (National Council for Prescription Drug Programs)

Revision

ANSI/NCPDP Benefit Integration Standard v11-2017, NCPDP Benefit Integration Implementation Guide Standard v11 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v10 -2015): 1/31/2017

ANSI/NCPDP FIR v1.3-2017, NCPDP Financial Information Reporting Standard v1.3 (revision and redesignation of ANSI/NCPDP FIR V1.2 -2009): 1/31/2017

ANSI/NCPDP Product Identifier v1.3-2017, NCPDP Product Identifier Standard v1.3 (revision and redesignation of ANSI/NCPDP Product Identifier v1.2-2016): 1/31/2017

ANSI/NCPDP SC Standard 2017011-2017, NCPDP SCRIPT Standard 2017011 (revision and redesignation of ANSI/NCPDP SC Standard 2014071-2014): 1/31/2017

ANSI/NCPDP Specialized Standard 2017011-2017, NCPDP Specialized Standard 2017011 (revision and redesignation of ANSI/NCPDP Specialized Standard 2014041-2014): 1/31/2017

NEMA (ASC C12) (National Electrical Manufacturers Association)

Revision

ANSI C12.20-2017, Standard for Electricity Meters - 0.1, 0.2 and 0.5 Accuracy Classes (revision of ANSI C12.20-2010): 1/24/2017

NEMA (ASC C78) (National Electrical Manufacturers Association)

New Standard

* ANSI C78.52-2017, Electric Lamps, Light Emitting Diode (LED) Direct Replacement Lamps - Method of Designation (new standard): 2/2/2017

NEMA (ASC C81) (National Electrical Manufacturers Association)

Revision

* ANSI C81.61-2017, Standard for Electrical Lamp Bases (Caps) Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2016): 1/24/2017

* ANSI C81.62-2017, Electric Lampholders (revision of ANSI C81.62 -2009 (R2014)): 1/24/2017

NETA (InterNational Electrical Testing Association)

Revision

ANSI/NETA ATS-2017, ANSI/NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2013): 2/2/2017

NISO (National Information Standards Organization)

Revision

ANSI/NISO Z39.99-2017, ResourceSync Framework Specification (revision of ANSI/NISO Z39.99-2014): 2/2/2017

NSF (NSF International)

Reaffirmation

* ANSI/NSF 240-2011 (R2017) (i2r1), Drainfield Trench Product Sizing for Gravity Dispersal Onsite Wastewater Treatment and Dispersal Systems (reaffirmation of ANSI/NSF 240-2011): 1/25/2017

Revision

* ANSI/NSF 14-2017 (i82r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2007 (i17)): 1/26/2017

* ANSI/NSF 350-2017 (i9r1), Onsite Residential and Commercial Reuse Treatment Systems (revision of ANSI/NSF 350-2014): 1/31/2017

OPEI (Outdoor Power Equipment Institute)

Revision

* ANSI/OPEI B71.1-2017, Consumer Turf Care Equipment - Pedestrian-Controlled Mowers and Ride-On Mowers - Safety Specifications (revision of ANSI/OPEI B71.1-2012): 1/24/2017

ANSI/OPEI B71.4-2017, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-2012): 1/24/2017

RIC (Remanufacturing Industries Council)

New Standard

ANSI/RIC 001.1-2016, Specifications for the Process of Remanufacturing (new standard): 2/2/2017

SAIA (ASC A92) (Scaffold & Access Industry Association)

Reaffirmation

* ANSI/SAIA A92.9-2011 (R2017), Standard for Mast-Climbing Work Platforms (reaffirmation of ANSI/SIA A92.9-2011): 1/24/2017

SPRI (Single Ply Roofing Institute)

Revision

ANSI/SPRI/FM 4435 ES-1-2017, Test Standard for Edge Systems Used with Low Slope Roofing Systems (revision and partition of ANSI/SPRI/FM 4435/ES-1-2011): 1/24/2017

TIA (Telecommunications Industry Association)

New Standard

ANSI/TIA 920.120-B-2017, Telecommunications - Communications Products - Transmission Requirements for Digital Interface Communications Devices with Speakerphone (new standard): 2/2/2017

Reaffirmation

ANSI/TIA 631-B-2011 (R2017), Telecommunications - Telephone Terminal Equipment - Radio Frequency Immunity Requirements (reaffirmation of ANSI/TIA 631-B-2011): 2/2/2017

ANSI/TIA 1194-R1-2011 (R2017), Telecommunications - User Premises Equipment - Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines (reaffirmation of ANSI/TIA 1194-R1-2011): 2/2/2017

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 61010-031-2017, Standard for Safety for Safety Requirements for Measurement, Control, and Laboratory Use - Part 031: Safety Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test (Proposal dated 09-30-16) (national adoption with modifications of IEC 61010-031): 1/27/2017

ANSI/UL 61010-2-011-2017, Standard for Safety for Safety Requirements for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment (identical national adoption of IEC 61010-2-011): 1/31/2017

New Standard

* ANSI/UL 7004-2017, Standard for Sustainability for Household Cooking Appliances (new standard): 1/31/2017

Reaffirmation

ANSI/UL 1666-2012 (R2017), Standard for Safety for Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts (Proposal Dated 11/4/16) (reaffirmation of ANSI/UL 1666-2012): 1/31/2017

Revision

* ANSI/UL 507-2017, Standard for Safety for Electric Fans (Proposal dated 11/11/16) (revision of ANSI/UL 507-2016): 1/25/2017

ANSI/UL 1310-2017, Standard for Safety for Class 2 Power Units (Proposal dated 10-21-16) (revision of ANSI/UL 1310-2014): 1/30/2017

ANSI/UL 1993-2017, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993-2012a): 1/27/2017

ANSI/UL 1993-2017a, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993-2012): 1/27/2017

ANSI/UL 2182-2017, Standard for Refrigerants (revision of ANSI/UL 2182-2006): 1/24/2017

ANSI/UL 60947-7-1-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors (revision of ANSI/UL 60947 -7-1-2011): 1/27/2017

ANSI/UL 60947-7-2-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors (revision of ANSI/UL 60947-7-2-2011): 1/27/2017

ANSI/UL 60947-7-3-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks (revision of ANSI/UL 60947 -7-3-2011): 1/27/2017

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.

AAFS (American Academy of Forensic Sciences)

Office: 4200 Wisconsin Ave, NW Suite 106-310
Washington, DC 20016

Contact: *Teresa Ambrosius*

E-mail: tambrosius@aafs.org

BSR/ASB BPR 021-201x, Guideline for the Preparation of Test Impression from Footwear and Tires (new standard)

Stakeholders: Footwear and tire examination/comparison method professionals.

Project Need: Providing a guideline for footwear and tire examiners when recording test impressions for use in casework.

This Guideline was developed to provide forensic footwear and tire impression examiners guidance in the preparation of two- and three-dimensional test impressions from footwear and tires. The methods included in this guideline are not all inclusive and may not cover all aspects of unusual or uncommon conditions.

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Will Vargas*

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ANSI/AAMI/ISO 15225-2016, Medical devices - Quality management - Medical device nomenclature data structure (withdrawal of ANSI/AAMI/ISO 15225-2016)

Stakeholders: Manufacturers, users, regulators.

Project Need: This standard is being withdrawn in ISO 210 due to administrative reasons

This International Standard provides rules and guidelines for a medical device nomenclature data structure, in order to facilitate cooperation and exchange of data used by regulatory bodies on an international level between interested parties, e.g., regulatory authorities, manufacturers, suppliers, health care providers, and end users.

ANS (American Nuclear Society)

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BSR/ANS 6.4.2-201x, Specification for Radiation Shielding Materials (revision of ANSI/ANS 6.4.2-2006 (R2016))

Stakeholders: Owners and operators of nuclear power plants and suppliers of radiation shielding materials.

Project Need: The standard is needed to assist manufacturers and suppliers of radiation shielding materials in providing standardized information to users.

The standard sets forth physical and nuclear properties that shall be reported by the supplier as appropriate for a particular application in order to form the basis for the selection of radiation shielding materials.

ASA (ASC S3) (Acoustical Society of America)

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BSR ASA S3.71-201x, Methods for Measuring Free-Field Directional Sound Localization in the Horizontal Plane (new standard)

Stakeholders: Hearing protector/communication headset, and/or helmet manufacturers, hunters, fire/ambulance services, police, government/military, academia.

Project Need: New technologies are being developed/marketed that claim to provide users with the ability to monitor ambient acoustic environment and maintain sound localization cues while protecting the user from noise. No standards address the impact such devices have on localization performance. Ability to localize sounds is critical in many occupations including fire/law/emergency response, military operations and others where hearing protection and/or communication devices are worn.

Will provide data for the assessment of localization performance of listeners with and without devices donned. Describes three measurement methods: (1) a low-complexity measure of specific types of localization error; (2) a more complex, more rigorous, measure of localization error; and (3) a measure of the functional impact of localization. The standard will specify subject criteria, test space requirements, details of the three methods, and reporting requirements.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Annapolis, MD 21401

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BSR X9.69-201x, Framework for Key Management Extensions (revision of ANSI X9.69-2007)

Stakeholders: Developers, service providers, financial institutions, regulators, and auditors.

Project Need: Updates may be needed to address changes in technology and the financial services industry.

This standard defines methods for the generation and control of keys used in symmetric cryptographic algorithms. The standard defines a constructive method for the creation of symmetric keys by combining two or more secret key components. The standard also defines a method for attaching a key usage vector to each generated key that prevents abuses and attacks against the key. The two defined methods can be used separately or in combination.

BSR X9.117-201x, Secure Remote Access Mutual Authentication (revision of ANSI X9.117-2012)

Stakeholders: Developers, service providers, financial institutions, regulators, and auditors.

Project Need: The purpose of this standard is to create an authentication framework that can be adopted by both financial institutions and their customers that allows them to achieve a higher level of confidence they are communicating and transacting with the appropriate party. The overall intent of this standard and the framework is to enable a reduction of risk and exposure of both the financial institutions and their customers.

The financial services industry relies on several time-honored methods of electronically identifying, authorizing, and authenticating entities and protecting financial transactions. These methods include, but are not limited to: Personal Identification Numbers (PINs) and Message Authentication Codes (MACs) for retail and wholesale financial transactions, user IDs and passwords for network and computer access, and key management for network connectivity. Over the last forty years, banks, investment, and insurance companies have developed risk management processes and policies to support the use of these technologies in financial applications.

ASSE (Safety) (American Society of Safety Engineers)

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Park Ridge, IL 60068

Contact: *Ovidiu Munteanu*

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BSR/ASSE A1264.2-201X, Provision of Slip Resistance on Walking/Working Surfaces (revision of ANSI/ASSE A1264.2-2012)

Stakeholders: Occupational safety and health professionals or those stakeholders working and walking in environments where there is potential for slips and falls as a result of surface characteristics or conditions.

Project Need: Based upon the consensus of the A1264 ASC, occupational safety and health professionals, and the ASSE leadership.

This standard sets forth provisions for protecting persons where there is potential for slips and falls as a result of surface characteristics or conditions.

BSR/ASSE Z9.5-201X, Laboratory Ventilation (revision and redesignation of ANSI/AIHA Z9.5-2010)

Stakeholders: Occupational safety and health professionals or those stakeholders working, managing or addressing laboratory ventilation systems.

Project Need: Based upon the consensus of the Z9 ASC, occupational safety and health professionals, and the ASSE leadership.

This standard applies to the ventilation in most laboratories and is written for all laboratory ventilation stakeholders. An emphasis is placed on those with legal responsibilities and liability for providing a safe laboratory. However, users/operators, industrial hygienists, and other safety and environmental professionals will also find the standard written for their needs.

ASTM (ASTM International)

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ANSI/ASTM E1239-2005 (R2010), Standard Practice for Description of Reservation/Registration-Admission, Discharge, Transfer (R-ADT) Systems for Electronic Health Record (EHR) Systems (withdrawal of ANSI/ASTM E1239-2005 (R2010))

Stakeholders: Healthcare Informatics industry.

Project Need: This practice identifies the minimum information capabilities needed by an ambulatory care system or a resident facility R-ADT system.

https://compass.astm.org/EDIT/html_annot.cgi?E1239+04(2010)

ANSI/ASTM E1340-2005 (R2010), Guide for Rapid Prototyping of Information Systems (withdrawal of ANSI/ASTM E1340-2005 (R2010))

Stakeholders: Healthcare Informatics industry.

Project Need: This guide covers a rapid prototyping method for developing information systems that is particularly relevant to systems for the healthcare sector.

https://compass.astm.org/EDIT/html_annot.cgi?E1340+05(2010)

ANSI/ASTM E1744-2005 (R2010), Practice for View of Emergency Medical Care in the Electronic Health Record (withdrawal of ANSI/ASTM E1744-2005 (R2010))

Stakeholders: Healthcare Informatics industry.

Project Need: This practice covers the identification of the information that is necessary to document emergency medical care in an electronic, paperless patient record system that is designed to improve efficiency and cost-effectiveness.

https://compass.astm.org/EDIT/html_annot.cgi?E1744+04(2010)

ANSI/ASTM E2017-1999 (R2010), Guide for Amendments to Health Information (withdrawal of ANSI/ASTM E2017-1999 (R2010))

Stakeholders: Healthcare Informatics industry.

Project Need: This guide addresses the criteria for amending individually identifiable health information. Certain criteria for amending health information is found in federal and state laws, rules and regulations, and in ethical statements of professional conduct.

https://compass.astm.org/EDIT/html_annot.cgi?E2017+99(2010)

ANSI/ASTM E2212-2002 (R2010), Practice for Healthcare Certificate Policy (withdrawal of ANSI/ASTM E2212-2002 (R2010))

Stakeholders: Healthcare Informatics industry.

Project Need: This practice covers a policy ("the policy") for digital certificates that support the authentication, authorization, confidentiality, integrity, and nonrepudiation requirements of persons and organizations that electronically create, disclose, receive, or otherwise transact health information.

https://compass.astm.org/EDIT/html_annot.cgi?E2212+02a(2010)

ANSI/ASTM E2436-2010, Specification for the Representation of Human Characteristics Data in Healthcare Information Systems (withdrawal of ANSI/ASTM E2436-2010)

Stakeholders: Healthcare Informatics industry.

Project Need: This document presents a standardized representation for the content and structure of human characteristics data for use in healthcare information systems.

https://compass.astm.org/EDIT/html_annot.cgi?E2436+05(2010)

CEMA (Conveyer Equipment Manufacturers Association)

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BSR/CEMA 102-201x, Conveyor Terms and Definitions (revision of ANSI/CEMA 102-2012)

Stakeholders: Producers, designers, purchasers, and users of conveyors, conveyor accessories, and conveyor components.

Project Need: Many of the illustrations in the current American National Standard are dated and will be updated. The conveyor industry continues to introduce new equipment for which standard terms and definitions are desirable. We will attempt to capture new terms or update current terms.

In the late 1930s, CEMA pioneered in developing standard definitions of conveyor terms for the industry. CEMA seeks to keep this document current as new conveyors and conveyor accessories are deployed in the industry.

ECIA (Electronic Components Industry Association)

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BSR/EIA 259-201x, Rigid Coaxial Transmission Lines and Connectors, 75 Ohms (new standard)

Stakeholders: Electronics, electrical and telecommunications industries.

Project Need: Revise a lapsed American National Standard.

This standard pertains exclusively to gas-filled rigid coaxial transmission lines and their connectors containing electrically transparent supporting structures. This standard does not apply to any semi-flexible transmission lines or connectors.

IACET (International Association for Continuing Education and Training)

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Reston, VA 20190

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BSR/IACET 1-201x, IACET Standard for Continuing Education and Training (revision of ANSI/IACET 1-2013)

Stakeholders: Continuing education and training providers.

Project Need: IACET is making its scheduled update to the Standard.

The Standard provides criteria for quality instructional design and delivery of continuing education and training programs. The Standard evaluates the following: the continuing education and training organization, responsibility and control, learning environment and support systems, learning event planning, learning outcomes, planning and instructional personnel, content and instructional methods, assessment of learning outcomes, process for awarding CEUs and maintaining learner records, and program evaluation

IIAR (International Institute of Ammonia Refrigeration)

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BSR/IIAR 2-2014, Addendum A-201x, Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems (supplement to ANSI/IIAR 2-2014)

Stakeholders: End-users, designers, contractors and manufacturers of closed-circuit refrigeration systems.

Project Need: To correct errors in the last version of the standard and to add absorption refrigeration to the scope.

To provide the minimum requirements for the design of safe anhydrous ammonia refrigeration systems. This addendum will correct mistakes in IIAR 2-2014 and add absorption refrigeration to the scope.

NEMA (ASC C81) (National Electrical Manufacturers Association)

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* BSR C81.61-201X, Standard for Electrical Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017)

Stakeholders: Manufacturers, users, test labs, lighting specifiers.

Project Need: This project is needed to add a new “G6.6X” modifier to the G6.6 fit system, which is a non-grounded two-pin base and holder configuration for T-LED Snap-Fit designs that utilize branch circuit non-grounded lamps. This project will also add a new G6.6LV Base and holder designation, which is a Low-Voltage non-grounded two-pin base for T-LED Snap-Fit designs. The project will add clarification notes for the use of G6.6 fit designation with regards to intended lamp technology, maximum mass, and voltage.

This standard sets forth the specifications for bases (caps) used on electric lamps.

* BSR C81.62-201X, Electric Lampholders (revision of ANSI C81.62 -2017)

Stakeholders: Manufacturers, users, test labs, lighting specifiers.

Project Need: This project is needed to add a new “G6.6X”modifier to the G6.6 fit system, which is a non-grounded two-pin base and holder configuration for T-LED Snap-Fit designs that utilize branch circuit non-grounded lamps. This project will also add a new G6.6LV Base and holder designation, which is a Low-Voltage non-grounded two-pin base for T-LED Snap-Fit designs. The project will add clarification notes for the use of G6.6 fit designation with regards to intended lamp technology, maximum mass and voltage.

This standard sets forth the specifications for lampholders for electric lamps.

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BSR/UL 61215-1-2-201x, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-2)

Stakeholders: Photovoltaic industry, producers, installers, and certification bodies.

Project Need: ANSI approval of a new UL IEC-based design qualification and type approval for all thin-film CdTe-based terrestrial flat plate modules.

This part of 61215 lays down requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open-air climates, as defined in IEC 60721-2 -1. This document is intended to apply to all thin-film CdTe-based terrestrial flat plate modules. As such, it addresses special requirements for testing of this technology supplementing IEC 61215 -1:2016 and IEC 61215-2:2016 requirements for testing.

BSR/UL 61215-1-3-201x, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon-based photovoltaic (PV) modules (identical national adoption of IEC 61215 -1-3)

Stakeholders: Photovoltaic industry, producers, installers, and certification bodies.

Project Need: ANSI approval of a new UL IEC-based design qualification and type approval for all thin-film amorphous silicon (a-Si; a-Si/c-Si)-based terrestrial flat plate modules.

This part of 61215 lays down requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open-air climates, as defined in IEC 60721-2 -1. This document is intended to apply to all thin-film amorphous silicon (a-Si; a-Si/c-Si) based terrestrial flat plate modules. As such, it addresses special requirements for testing of this technology supplementing IEC 61215-1:2016 and IEC 61215-2:2016 requirements for testing.

BSR/UL 61215-1-4-201x, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2-based photovoltaic (PV) modules (identical national adoption of IEC 61215 -1-4)

Stakeholders: Photovoltaic industry, producers, installers, and certification bodies.

Project Need: ANSI approval of a new UL IEC-based design qualification and type approval for all thin-film Cu(In,Ga)(S,Se)2-based terrestrial flat-plate modules.

This part of 61215 lays down requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open-air climates, as defined in IEC 60721-2 -1. This document is intended to apply to all thin-film Cu(In,Ga)(S,Se)2-based terrestrial flat plate modules. As such, it addresses special requirements for testing of this technology supplementing IEC 61215 -1:2016 and IEC 61215- 2:2016 requirements for testing.

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.

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AGA (ASC B109)
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API
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B11
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FM
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IAPMO
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IEEE (ASC C63)
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IESNA
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NEMA (ASC C78)
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NETA
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Web: www.ul.com

Newly Published ISO & IEC Standards

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 663:2017, Animal and vegetable fats and oils - Determination of insoluble impurities content, $45.00

ISO 3960:2017, Animal and vegetable fats and oils - Determination of peroxide value - Iodometric (visual) endpoint determination, $68.00

ISO 6883:2017, Animal and vegetable fats and oils - Determination of conventional mass per volume (litre weight in air), $68.00

ISO 8534:2017, Animal and vegetable fats and oils - Determination of water content - Karl Fischer method (pyridine free), $68.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 1101:2017, Geometrical product specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out, $232.00

ISO 1660:2017, Geometrical product specifications (GPS) - Geometrical tolerancing - Profile tolerancing, $185.00

EARTH-MOVING MACHINERY (TC 127)

ISO 8643:2017, Earth-moving machinery - Hydraulic excavator and backhoe loader lowering control device - Requirements and tests, $68.00

ISO 6405-1:2017, Earth-moving machinery - Symbols for operator controls and other displays - Part 1: Common symbols, $232.00

ISO 6405-2:2017, Earth-moving machinery - Symbols for operator controls and other displays - Part 2: Symbols for specific machines, equipment and accessories, $209.00

ESSENTIAL OILS (TC 54)

ISO 3054:2017, Essential oil of lavandin Abrial (Lavandula angustifolia Mill. Lavandula latifolia Medik.), French type, $68.00

ISO 4730:2017, Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil), $68.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 8401:2017, Metallic coatings - Review of methods of measurement of ductility, $185.00

NUCLEAR ENERGY (TC 85)

ISO 21484:2017, Nuclear Energy - Fuel technology - Determination of the O/M ratio in MOX pellets by the gravimetric method, $45.00

OTHER

ISO 2418:2017, Leather - Chemical, physical and mechanical and fastness tests - Sampling location, $68.00

ISO 2420:2017, Leather - Physical and mechanical tests - Determination of apparent density and mass per unit area, $45.00

ISO 17232:2017, Leather - Physical and mechanical tests - Determination of heat resistance of patent leather, $68.00

ISO 17233:2017, Leather - Physical and mechanical tests - Determination of cold crack temperature of surface coatings, $68.00

ISO 5402-1:2017, Leather - Determination of flex resistance - Part 1: Flexometer method, $68.00

ISO 17075-1:2017, Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method, $68.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 9013:2017, Thermal cutting - Classification of thermal cuts - Geometrical product specification and quality tolerances, $162.00

ISO Technical Reports

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/TR 21275:2017, Rubber - Comprehensive review of the composition and nature of process fumes in the rubber industry, $209.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/TR 15608:2017, Welding - Guidelines for a metallic materials grouping system, $68.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-5/Amd24/Cor3:2017, Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 24: Reference software for AAC-ELD - Corrigendum 3, FREE

ISO/IEC 14776-323:2017, Information technology - Small computer system interface (SCSI) - Part 323: SCSI Block commands - 3 (SBC -3), $232.00

IEC Standards

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 60838-1 Ed. 5.1 b:2017, Miscellaneous lampholders - Part 1: General requirements and tests, $322.00

IEC 60838-1 Amd.1 Ed. 5.0 b:2017, Amendment 1 - Miscellaneous lampholders - Part 1: General requirements and tests, $23.00

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

Call for Members

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 oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

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, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

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.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 147/SC 5 – Biological methods

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 147, wishes to drop their membership in ISO/TC 147/SC 5.

ISO/TC 147/SC 5 operates under the following scope:

Development of standards in the field of Biological methods within the scope of ISO/TC 147:

Standardization in the field of water quality, including definition of terms, sampling of waters, measurement and reporting of water characteristics.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO New Work Item Proposal

Guidelines on Integrating a Business Excellence Framework with ISO Management System Standards

Comment Deadline: March 3, 2017

SCC, the ISO member body for Canada, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines on Integrating a Business Excellence Framework with ISO management system standards, with the following scope statement:

Organizations implementing single or multiple management systems and simultaneously the Business Excellence framework are faced with the major challenge of lack of alignment. This can be attributed to multiple factors, including but not limited to, organizational design/structure, responsibilities matrix, contextual understanding of the linkages/inter-dependencies, silo mentality and turf protection.

"Guidelines on Integrating a Business Excellence Framework with ISO management system standards" will provide the roadmap on integrating the national/international business excellence frameworks with management system standards, for enhancing organizational efficiency, facilitating effective decision-making, and promoting transparency, innovation and continuous improvement.

Scope will exclude the development of an ISO Business Excellence standard and/or development of ISO Management System standard/s. Instead it will focus on the integration aspects, available best practices, and provision of useful practical tips for better organizational management.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, March 3, 2017.

International Electrotechnical Commission (IEC)

IEC Approves New Systems Committee (SyC) on LVDC and LVDC for Electricity Access

Draft Scope:

- Standardization in the field of Low Voltage Direct Current (hereinafter referred to as LVDC) in order to provide systems level standardization, coordination and guidance in the areas of LVDC and LVDC for Electricity Access.
- To widely consult within the IEC community and the broader stakeholder community to provide overall systems level value, support and guidance to the TCs and other standards development groups, both inside and outside the IEC.
- To bring urgency to development of standards for Electricity Access enabling inclusive development of all communities.

The U.S. National Committee agrees with the scope proposed for this new IEC SyC and wishes to register as a Participating Member and would like to actively participate. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established and a TAG Administrator will have to be assigned. If any organizations are interested in the position of TAG Administrator or if any individuals would like to join this TAG, they are invited to contact Tony Zertuche, USNC General Secretary, as soon as possible using the contact information provided below.

Tony Zertuche
Phone: 212-642-4892
Fax: 212-730-1346
E-mail: tzertuche@ansi.org

UVIG Advises Intent to Relinquish USNC TAG Administratorship for USNC TAG for IEC/SC 8A

Response Deadline: February 24, 2017

The Utility Variable-Generation Integration Group (UVIG) has announced to the USNC Office its intent to relinquish its assignment as TAG Administrator for the USNC Technical Advisory Group for IEC/SC 8A – Grid Integration of Renewable Energy Generation.

Scope of IEC SC 8A:

To prepare and coordinate, in co-operation with other TC/SCs, he development of international standards and other deliverables for grid integration of variable power generation from renewables for grid integration of variable power generation from renewables such as PV and wind energy with emphasis on overall system aspects of electricity supply systems (grids) as defined in TC 8 scope, but not covering issues usually covered by regulation such as renewable policies. SC 8A focuses on the impact of a high percentage of renewables connected to the grid, considering that their variability and predictability impact the functioning of the whole electricity grid. It covers grid integration standards for renewable energy, aggregating contributions of all grid users and prescribing interaction modes between the grid and power plants. This includes requirements for interconnection and related grid compliance tests, as well as standards or best practice documents for planning, modeling, forecasting, assessment, control and protection, scheduling and dispatching of renewables with grid level perspective.

Note 1: SC 8A deals with the grid level requirements enabling secure, non-discriminatory and cost-effective operation of electricity supply systems with a significant share of renewable generation and cooperates with TC 82, TC 88, TC 95, TC 114, TC 115, TC 117, TC 120, and other product committees to ensure technical feasibility and verification of the implementation of the grid level requirements.

Note 2: SC 8A coordinates with TC 8 which covers standards related to Distributed Energy Resources (e.g., interconnection with the grid, design and operation of micro grids).

The American Renewable Energy Standard and Certification Association (ARESCA) has expressed interest in becoming the TAG Administrator for this TAG. If any other entities are interested in being considered for assignment as TAG Administrator for this TAG. If any other entities are interested in being considered for assignment as TAG Administrator for the USNC TAG for IEC/SC8A, they are invited to contact the USNC General Secretary, Tony Zertuche, tzertuche@ansi.org; 212-642-4892, by Friday, February 24, 2017. The USNC Technical Management Committee (TMC) will consider any expressions of interest received and will allocate the assignment as appropriate. If no entities express interest in this assignment, the TMC will consider registering the USNC as a Non-Member of this TC.

BSR/ASHRAE Standard 214P

Public Review Draft

Standard for Determining and Expressing Building Energy Performance in a Rating Program

Second Public Review (January 2017)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

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

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

FOREWORD

There is no standard that provides guidance for the design of a building rating system. There are many commercial entities that are rating buildings utilizing a number of different building rating systems yielding varying results. ASHRAE's Executive Committee spoke with several government and regulatory agencies as to the need and viability for this standard. The feedback received was an over whelming need for a standard that provides uniformity in the building energy labeling and disclosure process. Std. 214 fulfills this need and is intended to provide a non-commercial consensus ANSI/ASHRAE standard that can be used in international, national and regional legislation, policy making, and regulation activities.

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

Add the following definition to Section 3. The remainder of Section 3 is unchanged.

3. DEFINITIONS

authority having jurisdiction (AHJ): the agency or agent responsible for enforcing this standard.

Revise Section 4.2 as shown below.

4.2 Type and Boundaries of Building

The standard shall indicate which building use types are covered. The rating program shall provide documentation ~~clear and unambiguous guidance~~ regarding how to determine the limits or boundary of the rated building.

Add a new Section 6.2.8 as shown below.

6.2.8 If a measurement and verification system is required by the rating program, it shall be documented and disclosed.

Revise Section 6.3.5 as shown below.

6.3.5 The modeling software used to create the single or multiple models shall be a readily available and cataloged standard product ~~with at least one year of documented performance and delivery of the essential output metrics~~.

IAPMO Z1002-20yy
Rainwater Harvesting Tanks

1 Scope

1.1
This Standard covers rainwater harvesting tanks and specifies requirements for design, materials, manufacture, performance, testing, and markings.

1.2
Rainwater harvesting tanks covered by this Standard are
(a) made of concrete, fiber-reinforced polyester, steel, thermoplastics, wood, ~~or~~ vinyl-coated polyester or steel reinforced polyethylene;
(b) prefabricated or assembled at the site of final installation;
(c) intended for above-ground or buried installations;
(d) intended for stationary (i.e., fixed) installations only;
(e) intended for indoor and outdoor applications; and
(f) intended for atmospheric pressure (i.e., non-pressurized) applications only.

1.3
The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction, provided such alternatives meet the intent and requirements of this Standard.

1.4
In this Standard,
(a) "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy to comply with the standard;
(b) "should" is used to express a recommendation but not a requirement;
(c) "may" is used to express an option or something permissible within the scope of the standard; and
(d) "can" is used to express either a possibility or a capability.

Notes accompanying sections of the Standard do not specify requirements or alternative requirements; their purpose is to separate explanatory or informative material from the text. Notes to tables and figures are considered part of the table or figure and can be written as requirements.

1.5
SI units are the primary units of record in global commerce. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application but each unit system is to be used independently. Combining values from the two measurement systems can result in non-conformance with this Standard. All references to gallons are to U.S. gallons.

2 Reference Publications

This Standard refers to the following publications, and where such reference is made, it shall be to the current edition of those publications, including all amendments published thereto.

ARCSA/ASPE (American Rainwater Catchment System Association/American Society of Plumbing Engineers)
ARCSA/ASPE/ANSI 63
Rainwater Catchment Systems

ASCE (American Society of Civil Engineers)
ASCE 7
Minimum Design Loads for Buildings and Other Structures

ASTM International (American Society for Testing and Materials)
ASTM A36
Standard Specification for Carbon Structural Steel

ASTM A592/A592M
Standard Specification for High-Strength Quenched and Tempered Low-Alloy Steel Forged Parts for Pressure Vessels

ASTM A653/A653M
Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

ASTM A675/A675M
Standard Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties

ASTM C890
Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete, Water and Wastewater Structures

ASTM D413
Standard Test Methods for Rubber Property—Adhesion to Flexible Substrate

ASTM D618
Standard Specification for Conditioning Plastics and Electrical Insulting Materials for Testing

ASTM D638
Standard Specification for Tensile Properties of Plastics

ASTM D751
Standard Test Methods for Coated Fabrics

ASTM D790
Standard Specification for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulting Materials

4.5 Structural Strength

4.5.1 Buried Tanks

4.5.1.1 General

4.5.1.1.1
Rainwater harvesting tanks intended for below-grade (i.e., buried) installations shall be capable of withstanding
(a) the loads specified in Sections 4.5.1.2 to 4.5.1.5 when full and when empty; and
(b) stresses and loads encountered during shipping, handling, installation, operation, and maintenance.

4.5.1.1.2
Structural performance shall be verified by design calculations conducted by a licensed professional engineer in accordance with Sections 4.5.1.2 and 4.5.1.3.

4.5.1.2 Exterior Tank Walls
~~Exterior tank walls~~ Buried tanks and associated tank access and fittings shall be capable of withstanding an
(a) internal hydrostatic pressure ~~exerted by a column of water of a height equivalent to the height of the outlet invert~~of a 3.0 m (10 ft) column of water; and
(b) external earth load equivalent to the pressure exerted by a fluid with a density of 480 kg/m^3 (30 lb/ft^3).

4.5.1.3 Vertical Earth Loads
Tanks and covers shall be designed to carry a vertical earth load of at least 24 kPa (500 lb/ft^2) [i.e., designed for a minimum burial depth of 0.9 m (3 ft)].

4.5.1.4 Vehicular Traffic
Rainwater harvesting tanks intended for installation in vehicular traffic areas shall be designed to meet the A-16 vehicle loads specified in ASTM C890 (i.e., AASHTO HS20-44).

4.5.1.5 Unexpected Load Conditions
Where the expected earth loads or installation conditions differ from the conditions in Sections 4.5.1.1 to 4.5.1.4, tank walls and covers shall be designed to withstand all anticipated earth and other loads.

4.5.2 Above-Ground Tanks
Rainwater harvesting tanks intended for above-ground installations shall be designed in accordance with ASCE 7 and capable of
(a) withstanding design loads;
(b) maintaining their structural integrity when filled, without
  (i) deforming in such a way as the structural integrity is compromised;
  (ii) collapsing; or
  (iii) cracking; and
(c) withstanding stresses and loads during shipping, handling, installation, operation, and maintenance.

4.5.3 Partitions
Partitions shall be capable of withstanding hydrostatic loads expected during the filling and normal operations of the tank.

11 Steel Reinforced Polyethylene Rainwater Harvesting Tanks

11.1 Materials

11.1.1 Steel

The steel material used in the manufacture of SRPE tanks shall have a minimum yield strength of 140 Mpa (20,305 psi) and shall be:

a. Cold- or hot-rolled, formable steel meeting the requirements of ASTM A653/A653M;

b. Galvanized with a minimum G60 coating weight as specified in ASTM A653/A653M.

11.2 Polyethylene

11.2.1 Compound

11.2.1.1 Tanks

Polyethylene for SRPE rainwater harvesting tanks shall have at least a cell classification of 335420C or 335420E as specified in ASTM D3350.

11.2.1.1 Parts, Joints and Fittings

Injection molded parts, joints and fittings used in the assembly of the SRPE tanks shall have a minimum cell classification of 314420C or 314420E as specified in ASTM D3350.

11.2.2 Physical Properties

11.2.2.1 Environmental Stress Crack Resistance

The environmental stress crack resistance of polyethylene for use in the construction of SRPE rainwater harvesting tanks shall be a minimum of 192 h when tested per ASTM D1693, test condition C using a 100% Igepal reagent with a maximum allowable failure criteria of 20%.

11.2.2.2 Tensile Strength

Polyethylene materials used in the manufacture of SRPE tanks shall have a minimum tensile strength of 20.7 MPa (3,000 psi) when measured in accordance with ASTM D638.

11.2.2.3 Flexural Modulus of Elasticity

Polyethylene materials used in the manufacture of SRPE tanks shall have a minimum flexural modulus of 758.4 MPa (1120,000 psi) when measured in accordance with ASTM D790.

11.2.2.4 Wall Thickness

The minimum average wall thickness of SRPE tank shall be

(a) 2.0 mm (0.077 in) for tanks up to a diameter of 1067 mm (42 in);

(b) 3.1 mm (0.124 in) for tanks up to a diameter of 1524 mm (60 in);

(c) 5.6 mm (0.220 in) for tanks up to a diameter of 3048 mm (120 in).

~~11~~12 Testing Requirements and Performance Criteria

~~11.1~~12.1 Watertightness Tests

~~11.1.1~~12.1.1 General

12.1.1.1 Testing Location

The watertightness tests can be performed either at a manufacturing location or in the field after the product is installed.

12.1.1.2 Testing Specimen

Rainwater harvesting tanks shall be installed or constructed in accordance with the manufacturers' installation instructions. In addition, the specimen may be braced or supported as necessary to simulate buried installation and minimize distortion of the tank during testing.

12.1.1.3 Vacuum Test, Water Test, or Air Test

Rainwater harvesting tanks shall comply with one of the watertightness tests specified in Sections ~~11.1.2~~12.1.2 to ~~11.1.4~~12.1.4, the Vacuum Test, Water Test or Air Test.

~~11.1.2~~12.1.2 Vacuum Test

~~11.1.2.1~~12.1.2.1 Test Procedure

The vacuum test shall be conducted as follows:

(a) Assemble the test specimen (i.e., the rainwater harvesting tank) and seal all openings (i.e., inlet, outlet, drain, and access openings).
(b) Attach a device capable of drawing a vacuum pressure of at least 24 kPa (3.4 psi) [175 mm (7 in) of mercury] to the test specimen.
(c) Apply a vacuum pressure of 13.5 kPa (2 psi) [100 mm (4 in) of mercury] to the test specimen and allow it to stabilize for 5 min.
(d) If there is loss of vacuum pressure, bring it back to 13.5 kPa (2 psi) [100 mm (4 in) of mercury] and allow the pressure to stabilize for an additional 5 min.
(e) Hold the vacuum pressure for 5 min.
(f) If there is leakage, the test specimen may be repaired in accordance with the manufacturer's written instructions and retested.

~~11.1.2.2~~12.1.2.2 Performance Requirement

There shall be no loss of vacuum pressure during the 5 min test period.

~~11.1.3~~12.1.3 Water Test

~~11.1.3.1~~12.1.3.1 Test Procedure

The water test shall be conducted as follows:

(a) Assemble the test specimen (i.e., the rainwater harvesting tank) and seal all openings located below the outlet invert (i.e., inlet, outlet, drain, and access openings).
(b) Fill the test specimen with water to its maximum operating liquid level (i.e., the outlet invert).
(c) For test specimens made of materials that absorb water, let them stand for 24 h and refill with water to the outlet invert.
(d) Let the test specimen stand for at least 1 h.
(e) If there is visible leakage, the test specimen may be repaired in accordance with the manufacturer's written instructions and retested.

4.3.2 Operational staff should be always alert and vigilant to find, report, and correct potential S/T/F hazards.

Recommendation: Frequent and concurrent inspections of walkways by operational staff is recommended over scheduled~~/timed~~ inspections.

-
-
-

10.9 Final report

A final report shall be prepared that presents all data collected and observations made in accordance with the performance testing and evaluation specified in 10.

The final report shall include the area of cross-section orifice (open pore space) of the filter above the normal liquid level.

BSR/UL 758, Standard for Safety for Appliance Wiring Material

PROPOSALS

PROPOSAL

Note: For brevity, only the affected portions of Tables 5.5, 5.6, 5.7, and 5.8 are shown.

Table 5.5

Maximum direct-current resistance of metric-sized solid conductors of aluminum, copper-clad aluminum, and uncoated copper[a]

Nominal size of conductor, mm^2	20°C			
	Aluminum and copper-clad aluminum		Uncoated copper	
	Ohms per 1000 ft	Ohms per 1000 m	Ohms per 1000 ft	Ohms per 1000 m
0.01	-	-	538	1765

Table 5.6

Maximum direct-current resistance of metric-sized solid conductors of tin coated copper[a]

Nominal size of conductor, mm^2	20°C	
	Ohms per 1000 ft	Ohms per 1000 m
0.01	559	1834

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Table 5.7

Maximum direct-current resistance of metric-sized stranded conductors of uncoated copper[a]

Nominal size of conductor, mm^2	Uncoated copper	
	Ohms per 1000 ft	Ohms per 1000 m
0.01	547	1796

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Table 5.8

Maximum direct-current resistance of metric-sized stranded copper conductors, with each strand coated with tin[a]

Nominal size of conductor, mm^2	20°C	
	Ohms per 1000 ft	Ohms per 1000 m
0.01	559	1835

[a] ©IEC This material is reproduced from IEC 60228 with permission of the American National Standards Institute (ANSI) on behalf of the International Electrotechnical Commission. All rights reserved.

BSR/UL 962, Standard for Household and Commercial Furnishings

65A Grounding-Continuity Test

65A.1 Each cord-connected furnishing shall be tested, as a routine production-line test, to determine that grounding continuity exists between the grounding pin of the attachment plug and the electrical enclosure or other dead metal parts. When the electrical enclosure is complete, the electrical enclosure is not required to be attached to a furnishing.

65A.2 Any appropriate indicating device - an ohmmeter, battery- and buzzer-combination, or similar equipment - is able to be used to determine compliance with 65A.1.

65B Polarity

65B.1 Each furnishing shall be checked as a routine production-line test to verify that there is electrical continuity between the grounded supply-circuit conductor of the attachment plug - wide blade of a 2-wire type - and the part of the product that is intended to be connected to the grounded supply-circuit conductor of the attachment plug (for example, screw shell of an incandescent lampholder). The continuity shall be determined either visually or through the use of an electrical test. Equivalently, continuity is able to be verified between the ungrounded supply-circuit conductor of the attachment plug and the part of the product that is intended to be connected to the ungrounded conductor (for example, the center contact of an incandescent lampholder).

65C Dielectric Voltage-Withstand Test

65C.1 Each furnishing shall withstand without electrical breakdown, as a routine production-line test, the application of a 40 - 70 hertz potential as described in Table 65C.1 between:

a) The supply wiring and dead metal parts that become energized;

b) Supply wiring of opposite polarity when separate grounded supply conductors are employed; and

c) The ungrounded supply conductors of opposite polarity when the same grounded supply conductor is employed for both circuits.

Table 65C.1

Dielectric Voltage-Withstand Test Levels

Insulation Type	One Minute (Vac)	One Minute (Vdc)	1 Second (Vac)	1 Second (Vdc)
Single	1000 + (2 x Rated Voltage	1.414 x (1000 + (2 x Rated Voltage)	1200 + (2.4 x Rated Voltage)	1.414 x (1200 + (2.4 x Rated Voltage))
Double	2000 + (4 x Rated Voltage)	2.828 x (2000 + (4 x Rated Voltage))	2400 + (4.8 x Rated Voltage)	2.828 x (2400 + (4.8 x Rated Voltage))

65C.2 The test is to be conducted with the furnishing fully assembled. It is not intended that the product be unwired, modified, or disassembled for the test.

Exception: A furnishing employing solid-state components (such as load connected, across-the-line components or transient voltage surge suppressors) that are able to sustain damage from the dielectric potential are able to be tested before the components are electrically connected or a DC voltage may be used.

65C.3 The test equipment is to include a transformer having a sinusoidal output, a means of indicating the test potential, an audible or visual indicator of electrical breakdown, and either a manually reset device to restore the equipment after electrical breakdown or an automatic feature to reject any product that does not meet the requirement.

65C.4 When the output of the test-equipment transformer is less than 500 volt-amperes, the equipment is to include the voltmeter in the output circuit to directly indicate the test potential.

65C.5 When the output of the test-equipment transformer is 500 volt-amperes or more, the test potential is able to be indicated by a voltmeter in the primary circuit or in a tertiary-winding circuit, a selector switch marked to indicate the test potential, or in the case of equipment having a single test-potential output, a marking shall be visible while the equipment is in use to indicate the test potential. When marking is used without an indicating voltmeter, the equipment shall include a positive means, such as an indicator lamp, to indicate that the manually reset switch has been reset following a dielectric breakdown.

65C.6 Test equipment other than that specified in 65C.3 - 65C.5 is able to be used when it is determined to accomplish the intended factory control.