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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: July 16, 2017

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

Addenda

BSR/ASHRAE/ASHE Addendum 170q-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum makes changes to the purpose and scope of the standard. It adds "resident" to differentiate from "patient" in residential health applications; removes the word "comfort"; and relocates temperature, humidity, odor and asepsis from Purpose to Scope to coordinate and acknowledge that SSPC 55 has a specific definition of "comfort" that is different from that in Standard 170. This addendum also clarifies that Standard 170 addresses more than outside air quantities, to better differentiate from Standard 62.1.

[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>

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

New Standard

BSR/SAIA A92.20-201x, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) (new standard)

This Standard is intended to be used in conjunction BSR/SAIA A92.22, Safe Use of MEWPs and BSR/SAIA A92.24, Training Requirements for Operators of MEWPs. This American National Standard specifies safety requirements and preventive measures, and the means for their verification, for certain types and sizes of mobile elevating work platforms (MEWPs) intended to position personnel, along with their necessary tools and materials, at work locations. It contains the structural design calculations and stability criteria, construction, safety examinations and tests that shall be applied before a MEWP is first put into service.

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

Send comments (with copy to psa@ansi.org) to: DeAnna Martin, (816) 595-4860, deanna@saiaonline.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60335-2-89-201X, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (national adoption with modifications of IEC 60335-2-89)

The IEC issued the second edition of IEC 60335-2-89 in 2010. It issued Amendment No.1 to this standard in 2012. Therefore, UL is proposing UL 60335-2-89, which incorporates these two documents along with the USA national differences.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 162-201x, Standard for Safety for Standard for Foam Equipment and Liquid Concentrates (revision of ANSI/UL 162-2015)

(1) Water-powered oscillating monitors; and (2) Update commercial-grade heptane specifications.

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

Send comments (with copy to psa@ansi.org) to: Mark Ramlochan, (613) 368-4422, Mark.Ramlochan@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2017)

This proposal covers the revision of Figure 109.1. The original version of this proposal was published on February 17, 2017.

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

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 583-201x, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 06/16/17) (revision of ANSI/UL 583-2016)

The following changes in requirements to UL 583 are: (1) Addition of requirements for automated guide vehicles; (2) Clarification of requirements for self-propelled floor cleaners.

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

Send comments (with copy to psa@ansi.org) to: Wilbert Fletcher; wilbert.fletcher@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 698A-201X, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (Proposal dated 06-16-17) (revision of ANSI/UL 698A-2012 (R2016))

This proposal includes revisions to 6.1, 7.1, and 7.3 to update referenced standards.

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

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1446-201x, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2016)

(1) Additional clarification in 1.5 for other types of electrical insulation systems that operate above 1000 V; (2) Correction of cross references in SA5.2.1; (3) Revision of 5.1.1 to include reference to IEC 60505 to clarify the electrical insulation systems thermal evaluation.

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

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

Comment Deadline: July 31, 2017

ABMA (ASC B3) (American Bearing Manufacturers Association)

New National Adoption

BSR/ABMA/ISO 15243-201x, Rolling bearings - Damage and failures - Terms, characteristics and causes (identical national adoption of ISO 15243 -2017)

This international standard defines, describes, and classifies the characteristics, changes in appearance and possible causes of failure of rolling bearings, occurring in service. It will assist in the understanding of the various forms of change in appearance and the failure that has occurred. Consideration is restricted to characteristic forms of change in appearance and failure, which have a well-defined appearance and which can be attributed to particular causes with a high degree of certainty. The features of particular interest for explaining changes and failures are described.

Single copy price: \$55.00

Obtain an electronic copy from: info@americanbearings.org

Order from: info@americanbearings.org

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

jconverse@americanbearings.org

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

BSR/ASABE AD5673-1-201x, Agricultural tractors and machinery - Power take-off drive shafts and power-input connection - Part 1: General manufacturing and safety requirements (national adoption of ISO 5673 -1:2005 with modifications and revision of ANSI/ASABE AD5673-1-201x)

Specifies the PTO drive shafts of tractor or self-propelled machine used in agriculture and power-input connection of its implement, establishing a method for determining PTO static and dynamic torsional strength while giving manufacturing and safety requirements. Applicable to those PTO drive shafts and guards mechanically linked to shaft by at least 2 bearings. Not applicable to PTO drive shafts guarded by location or to the mechanical characteristics of overrun devices and torque limiters, nor are environmental aspects considered; not applicable to PTO drive shafts and their guards manufactured before the date of its publication.

Single copy price: \$61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME A17.2-20XX, Guide for Inspection of Elevators, Escalators, and Moving Walks (revision of ANSI/ASME A17.2-2014)

This Guide covers recommended inspection and testing procedures for electric and hydraulic elevators, escalators, and moving walks required to conform to the Safety Code for Elevators and Escalators. This guide also includes Canadian references and applicable exceptions for CSA B44-00 and later editions.

NOTE: This Guide may not reflect the latest requirements in the current ASME A17.1/CSA B44 and ASME A17.3 Codes.

Single copy price: Free

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

Order from: <http://cstools.asme.org/publicreview>

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

B11 (B11 Standards, Inc.)

Revision

BSR B11.20-201x, Safety Requirements for Integrated Manufacturing Systems (revision of ANSI B11.20-2004 (R2015))

This standard specifies the safety requirements for the design, construction, installation, set-up, operation, maintenance, modification and decommissioning of integrated manufacturing systems. An integrated manufacturing system (IMS): (a) incorporates two or more industrial machines which: (1) can operate independently of each other, and (2) are intended for the purpose of manufacturing, treatment, movement or packaging of discrete parts or assemblies; (b) is linked by a material handling system; and (c) is interconnected by a control system(s) for coordinated operation. An IMS shall meet the requirements of this standard.

Single copy price: \$79.00

Obtain an electronic copy from: dfelinski@b11standards.org

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

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

CPLSO

New Standard

BSR/CPLSO 17-201x, Electrical Characteristics of ECDs and CEWs (new standard)

This standard is applicable for high voltage Electronic Control Devices, (ECD), or Conductive Electrical Weapons, (CEW). This standard specifies the characteristic electrical requirements for effective and safe performance.

Single copy price: \$1000.00

Obtain an electronic copy from: www.cplso.org

Order from: CPLSO

Send comments (with copy to psa@ansi.org) to: pratt.hugh@cplso.org

CSA (CSA Group)

Revision

BSR Z21.5.1-201x, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers (same as CSA 7.1-201x) (revision of ANSI Z21.5.1-2016)

Details test and examination criteria for Type 1 clothes dryers for use with natural, manufactured, or mixed gases; propane gas; or LP gas-air mixtures.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

CSA (CSA Group)

Revision

BSR Z21.58-201x, Outdoor Cooking Gas Appliances (same as CSA 1.6 -201x) (revision of ANSI Z21.58-2015)

Details test and examination criteria for portable or post-mounted outdoor cooking gas appliances having top or surface units or broilers units or combinations thereof which are (1) for use with natural gas, manufactured gas, mixed gas, liquefied petroleum gases, or LP gas-air mixtures on a fixed fuel piping systems, or (2) for connection to a self-contained liquefied petroleum gas supply system.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

CSA (CSA Group)**Revision**

BSR Z21.89-201x, Outdoor Cooking Specialty Gas Appliances (same as CSA 1.18-201x) (revision of ANSI Z21.89-2013)

Details test and examination criteria for portable outdoor specialty gas appliances, (fryer/boiler, smoker, tabletop grill or any combination). Appliance may be connected to a fixed fuel piping system or self-contained liquefied petroleum gas or propane gas supply system of a single cylinder with a maximum size of 20 pounds (9.1 kg) of fuel.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

CSA (CSA Group)**Revision**

BSR Z83.21-201x, Standard for Commercial Dishwashers (same as UL 921) (revision and redesignation of ANSI Z83.21/CSA C22.2 No. 263/UL 921 -2016)

Details for test and examination of commercial gas-fired and electric dishwashers for use with natural, manufactured and mixed, and liquefied petroleum gases, and LP gas-air mixtures.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

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

BSR/ISA 95.00.07-201x, Enterprise-Control System Integration - Part 7: Alias Service Model (new standard)

The ISA 95 series of standards defines enterprise-control system integration. This Part 7 standard defines an alias service model that includes a set of services and exchange information used to map identifiers from one identifier repository with a metadata registry to another identifier repository using a different metadata registry.

Single copy price: \$99.00 usd

Obtain an electronic copy from: crobinson@isa.org

Order from: crobinson@isa.org

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

NASBLA (National Association of State Boating Law Administrators)**New Standard**

BSR/NASBLA 101-201X, Basic Boating Knowledge - Human-Propelled (new standard)

This is the minimum standard that applies to all human-propelled courses in the U.S. States and territories and District of Columbia. The purpose is to establish the national standard for use by course providers to meet the needs of recreational boaters for human-propelled boating knowledge in order to identify and reduce primary risk factors and mitigate their effects on recreational boating.

Single copy price: Free

Obtain an electronic copy from: pam@nasbla.org

Order from: Pamela Dillon, (859) 225-9487, pam@nasbla.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)**Revision**

BSR C136.10-201x, Standard for Roadway and Area Lighting Equipment - Locking-Type Photocontrol Devices and Mating Receptacles - Physical and Electrical Interchangeability and Testing (revision of ANSI C136.10-2010)

This standard covers the following roadway and area lighting equipment, which may be physically and electrically interchanged to operate within established values: (a) Locking-type photocontrol, referred to in this standard as "photocontrol," (b) Locking-type mating receptacle, referred to in this standard as "receptacle," and (c) Shorting and open caps.

Single copy price: \$60.00

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

NEMA (ASC C136) (National Electrical Manufacturers Association)**Revision**

BSR C136.31-201x, Standard for Roadway and Area Lighting Equipment - Luminaire Vibration (revision of ANSI C136.31-2010)

This project is to update the standard with current test procedures, set-up and operation, and to further define and update pass/fail criteria.

Single copy price: \$39.00

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

NEMA (ASC C37) (National Electrical Manufacturers Association)**Revision**

BSR C37.50-201x, Low-Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2012)

Covers the test procedures for enclosed low-voltage ac power circuit breakers as follows: stationary or drawout circuit breakers of two- or three-pole construction; unfused or fused circuit breakers; and manually operated or power-operated circuit breakers with or without electromechanical or solid state trip devices.

Single copy price: \$76.00

Order from: Gary MacFadden, (703) 841-3253, Gary.MacFadden@Nema.org

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

NEMA (ASC C37) (National Electrical Manufacturers Association)

Revision

BSR C37.51-201x, Metal-Enclosed Low-Voltage AC Power Circuit Breaker Switchgear Assemblies - Conformance Test Procedures (revision of ANSI C37.51-2003 (R2010))

This standard is a conformance testing standard optionally applicable to all metal-enclosed low-voltage ac power circuit breaker switchgear assemblies designed, tested, and manufactured in accordance with ANSI/IEEE C37.20.1, Metal-Enclosed Low-Voltage AC Power Circuit Breaker Switchgear. This standard covers selected tests to demonstrate conformance of the basic switchgear section (which includes the structure, circuit breaker compartments, instrument compartments, buses, and internal connections) with the "Tests" clause of ANSI/IEEE C37.20.

Single copy price: \$76.00

Order from: Gary MacFadden, (703) 841-3253, Gary.MacFadden@Nema.org

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

NSF (NSF International)

Revision

BSR/BIFMA e3-201x, Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014 (i21r1))

This sustainability standard is applicable to all business and institutional furniture.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/38042/JC%20memo%20and%20Ballot%20Document.pdf

Order from: Kianda Franklin, (734) 827-3813, kfranklin@nsf.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 60335-2-1000-201x, Standard for Safety for Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts (new standard)

This Standard deals with the safety of electrically powered pool lifts intended for persons requiring assistance for safe entry into and out of a pool, their rated voltage being not more than 150 V between supply phases or one phase and neutral or ground, and intended for installation in accordance with the US National Electrical Code (NFPA 70), Article 680, Part VIII.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1478A-2013 (R201x), Standard for Safety for Pressure Relief Valves for Sprinkler Systems (reaffirmation of ANSI/UL 1478A-2013)

UL proposes a reaffirmation for UL 1478A.

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: Griff Edwards, 919 549-0956, griff.edwards@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1564-2013 (R201x), Standard for Safety for Industrial Battery Chargers (reaffirmation of ANSI/UL 1564-2013)

UL proposes the reaffirmation of ANSI Approval for UL 1564.

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: Jonette Herman, (919) 549-1479, Jonette.A.Herman@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60730-2-3-2013 (R201x), Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (reaffirmation of ANSI/UL 60730-2-3-2013)

Administratively update the ANSI approval of the Standard and no technical changes are being proposed, nor have any been made since the date of the last approval.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

VC (ASC Z80) (The Vision Council)

Revision

BSR Z80.31-201x, Ophthalmic Optics - Specifications for Ready-to-Wear Near-Vision Spectacles (revision of ANSI Z80.31-2012)

This Standard specifies minimum requirements for complete ready-to-wear near-vision spectacles with positive power available directly to the public without the prescription of a licensed professional. The revision expands applicability to readers with segments and power-variation readers, as well as readers with tints and plano power portions.

Single copy price: \$50.00

Obtain an electronic copy from: ascz80@thevisioncouncil.org

Order from: Michele Stolberg, 585-387-9913, ascz80@thevisioncouncil.org

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

Comment Deadline: August 15, 2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B89.1.17-2001 (R20xx), Measurement of Thread Measuring Wires (reaffirmation of ANSI/ASME B89.1.17-2001 (R2007))

This standard establishes uniform practices for the measurement of thread measuring wires.

Single copy price: \$36.00

Obtain an electronic copy from: <https://www.asme.org/shop/standards>

Order from: <https://www.asme.org/shop/standards>

Send comments (with copy to psa@ansi.org) to: Remington Richmond, (212) 591-8404, richmond@asme.org

Projects Withdrawn from Consideration

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

CTA (Consumer Technology Association)

BSR/CTA 2055-201x, Ad-hoc Personal Area Connectivity (new standard)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

Correction

Correction to Project Intent

BSR Z21.89-201x

A CSA Group Call-for-Comment notice for BSR Z21.89-201x in the June 9, 2017 issue of Standards Action had incorrect Project Intent information. The correct information is: (revision of ANSI Z21.89-2013).

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.

CPLSO

Office: The Marchioness Building, Commercial Road
Bristol BS16TG, UK BS1 6TG

Contact: *Hugh Pratt*

Phone: (078) 796-2989

E-mail: pratt.hugh@cplso.org

BSR/CPLSO-17-201x, Electrical Characteristics of ECDs and CEWs.
(new standard)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Charles Robinson*

Phone: (919) 990-9213

Fax: (919) 549-8288

E-mail: crobinson@isa.org

BSR/ISA 95.00.07-201x, Enterprise-Control System Integration - Part 7:
Alias Service Model (new standard)

BSR/ISA 95.00.09-201x, Enterprise-Control System Integration - Part 9:
Common Operations Management Events (new standard)

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: *Pamela Dillon*

Phone: (859) 225-9487

E-mail: pam@nasbla.org

BSR/NASBLA 101-201X, Basic Boating Knowledge - Human-Propelled
(new standard)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: *Karen Willis*

Phone: (703) 841-3277

Fax: (703) 841-3378

E-mail: Karen.Willis@nema.org

BSR C136.10-201x, Standard for Roadway and Area Lighting
Equipment - Locking-Type Photocontrol Devices and Mating
Receptacles - Physical and Electrical Interchangeability and Testing
(revision of ANSI C136.10-2010)

BSR C136.31-201x, Standard for Roadway and Area Lighting
Equipment - Luminaire Vibration (revision of ANSI C136.31-2010)

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: *Khaled Masri*

Phone: (703) 841-3278

Fax: (703) 841-3378

E-mail: Khaled.Masri@nema.org

BSR NEMA ICEA S-93-639/WC 74-201x, 5-46 kV Shielded Power
Cable for Use in the Transmission and Distribution of Electric Energy
(revision of ANSI NEMA ICEA S-93-639/WC 74-2012)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Kianda Franklin*

Phone: (734) 827-3813

E-mail: kfranklin@nsf.org

BSR/BIFMA e3-201x, Furniture Sustainability Standard (revision of
ANSI/BIFMA e3-2014 (i21r1))

BSR/IEEE 1680.4/NSF 426-201x (i2r3), Standard for Environmental
Leadership and Corporate Social Responsibility Assessment of
Servers (new standard)

PCI (Precast/Prestressed Concrete Institute)

Office: 200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Contact: *Jim Lewis*

Phone: +1-(312)-786-0300

E-mail: jlewis@pci.org

BSR/PCI MNL-128-201X, Standard for Glass Fiber Reinforced Concrete
Panels and Decorative Units, Fifth Edition (new standard)

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.

ASA (ASC S2) (Acoustical Society of America)

New Standard

ANSI/ASA S2.75-2017/Part 1, Shaft Alignment Methodology, Part 1: General Principles, Methods, Practices, and Tolerances (new standard): 6/6/2017

ANSI/ASA S2.75-2017/Part 2, Shaft Alignment Methodology, Part 2: Vocabulary (new standard): 6/6/2017

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASABE AD26322-2-JUN2017, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (revision of ANSI/ASABE AD26322-2-2012): 6/8/2017

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.24 Part 1-2017, Retail Financial Services Symmetric Key Management - Part 1: Using Symmetric Techniques (revision of ANSI X9.24 Part 1-2009): 6/8/2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B89.7.3.3-2002 (R2017), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2012)): 6/8/2017

ASSE (Safety) (American Society of Safety Engineers)

New Standard

ANSI/ASSE Z359.18-2017, Safety Requirements for Anchorage Connectors for Active Fall Protection Systems (new standard): 6/2/2017

ASTM (ASTM International)

New Standard

ANSI/ASTM D2239-2017, Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter (new standard): 5/30/2017

ANSI/ASTM D2464-2017, Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (new standard): 5/30/2017

ANSI/ASTM D2466-2017, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 (new standard): 5/31/2017

ANSI/ASTM D2467-2017, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (new standard): 5/31/2017

ANSI/ASTM D2564-2017, Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems (new standard): 5/31/2017

ANSI/ASTM D2609-2017, Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe (new standard): 5/31/2017

ANSI/ASTM D2657-2017, Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM D2672-2017, Specification for Joints for IPS PVC Pipe Using Solvent Cement (new standard): 5/31/2017

ANSI/ASTM D2683-2017, Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing (new standard): 5/31/2017

ANSI/ASTM D2737-2017, Specification for Polyethylene (PE) Plastic Tubing (new standard): 5/30/2017

ANSI/ASTM D2749-2017, Symbols for Dimensions of Plastic Pipe Fittings (new standard): 5/31/2017

ANSI/ASTM D2774-2017, Practice for Underground Installation of Thermoplastic Pressure Piping (new standard): 5/30/2017

ANSI/ASTM D2855-2017, Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly(Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets (new standard): 5/31/2017

ANSI/ASTM D3035-2017, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter (new standard): 5/30/2017

ANSI/ASTM D3122-2017, Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM D3212-2017, Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (new standard): 5/31/2017

ANSI/ASTM D3311-2017, Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns (new standard): 5/30/2017

ANSI/ASTM D3485-2017, Specification for Coilable High Density Polyethylene (HDPE) Cable in Conduit (CIC) (new standard): 5/30/2017

ANSI/ASTM F402-2017, Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM F437-2017, Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (new standard): 5/31/2017

ANSI/ASTM F438-2017, Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 (new standard): 5/31/2017

ANSI/ASTM F439-2017, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (new standard): 5/31/2017

ANSI/ASTM F477-2017, Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe (new standard): 5/31/2017

ANSI/ASTM F480-2017, Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80 (new standard): 5/30/2017

ANSI/ASTM F493-2017, Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM F656-2017, Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM F876-2017, Specification for Crosslinked Polyethylene (PEX) Tubing (new standard): 5/30/2017

ANSI/ASTM F877-2017, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (new standard): 5/30/2017

- ANSI/ASTM F894-2017, Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe (new standard): 5/30/2017
- ANSI/ASTM F905-2017, Practice for Qualification of Polyethylene Saddle-Fused Joints (new standard): 5/30/2017
- ANSI/ASTM F913-2017, Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe (new standard): 5/31/2017
- ANSI/ASTM F1025-2017, Guide for Selection and Use of Full-Encirclement-Type Band Clamps for Reinforcement or Repair of Punctures or Holes in Polyethylene Gas Pressure Pipe (new standard): 5/30/2017
- ANSI/ASTM F1041-2017, Guide for Squeeze-Off of Polyolefin Gas Pressure Pipe and Tubing (new standard): 5/30/2017
- ANSI/ASTM F1056-2017, Specification for Socket Fusion Tools for Use in Socket Fusion Joining Polyethylene Pipe or Tubing and Fittings (new standard): 5/31/2017
- ANSI/ASTM F1290-2017, Practice for Electrofusion Joining Polyolefin Pipe and Fittings (new standard): 5/31/2017
- ANSI/ASTM F1412-2017, Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems (new standard): 5/30/2017
- ANSI/ASTM F1488-2017, Specification for Coextruded Composite Pipe (new standard): 5/31/2017
- ANSI/ASTM F1499-2017, Specification for Coextruded Composite Drain, Waste, and Vent Pipe (DWV) (new standard): 5/30/2017
- ANSI/ASTM F1545-2017, Specification for Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges (new standard): 5/31/2017
- ANSI/ASTM F1563-2017, Specification for Tools to Squeeze-Off Polyethylene (PE) Gas Pipe or Tubing (new standard): 5/30/2017
- ANSI/ASTM F1673-2017, Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems (new standard): 5/30/2017
- ANSI/ASTM F1674-2017, Test Method for Joint Restraint Products for Use with PVC Pipe (new standard): 5/31/2017
- ANSI/ASTM F1734-2017, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard): 5/30/2017
- ANSI/ASTM F1759-2017, Practice for Design of High-Density Polyethylene (HDPE) Manholes for Subsurface Applications (new standard): 5/30/2017
- ANSI/ASTM F1865-2017, Specification for Mechanical Cold Expansion Insert Fitting with Compression Sleeve for Cross-linked Polyethylene (PEX) Tubing (new standard): 5/31/2017
- ANSI/ASTM F1866-2017, Specification for Poly(Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings (new standard): 5/30/2017
- ANSI/ASTM F1924-2017, Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing (new standard): 5/30/2017
- ANSI/ASTM F1948-2017, Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing (new standard): 5/30/2017
- ANSI/ASTM F1960-2017, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-Linked Polyethylene (PEX) Tubing (new standard): 5/31/2017
- ANSI/ASTM F1961-2017, Specification for Metal Mechanical Cold Flare Compression Fittings with Disc Spring for Crosslinked Polyethylene (PEX) Tubing (new standard): 5/31/2017
- ANSI/ASTM F1970-2017, Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly(Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Systems (new standard): 5/31/2017
- ANSI/ASTM F1973-2017, Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems (new standard): 5/30/2017
- ANSI/ASTM F1974-2017, Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe (new standard): 5/31/2017
- ANSI/ASTM F1986-2017, Specification for Multilayer Pipe Type 2, Compression Fittings, and Compression Joints for Hot and Cold Drinking-Water Systems (new standard): 5/31/2017
- ANSI/ASTM F1987-2017, Specification for Multilayer Pipe Type 2, Compression Fittings, and Compression Joints for Hydronic Heating Systems (new standard): 5/31/2017
- ANSI/ASTM F2021-2017, Guide for Design and Installation of Plastic Siphonic Roof Drainage Systems (new standard): 5/30/2017
- ANSI/ASTM F2098-2017, Specification for Stainless Steel Clamps for Securing SDR9 Cross-Linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings (new standard): 5/31/2017
- ANSI/ASTM F2138-2017, Specification for Excess Flow Valves for Natural Gas Service (new standard): 5/30/2017
- ANSI/ASTM F2145-2017, Specification for Polyamide 11 (PA 11) and Polyamide 12 (PA12) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 and Polyamide 12 Pipe and Tubing (new standard): 5/30/2017
- ANSI/ASTM F2159-2017, Specification for Plastic 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): 5/31/2017
- ANSI/ASTM F2165-2017, Specification for Flexible Pre-Insulated Piping (new standard): 5/31/2017
- ANSI/ASTM F2206-2017, Specification for Fabricated Fittings of Butt-Fused Polyethylene (PE) (new standard): 5/31/2017
- ANSI/ASTM F2207-2017, Specification for Cured-in-Place Pipe Lining System for Rehabilitation of Metallic Gas Pipe (new standard): 5/30/2017
- ANSI/ASTM F2262-2017, Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Tubing OD Controlled SDR9 (new standard): 5/31/2017
- ANSI/ASTM F2390-2017, Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent (DWV) Pipe and Fittings Having Post-Industrial Recycle Content (new standard): 5/30/2017
- ANSI/ASTM F2434-2017, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Tubing (new standard): 5/31/2017
- ANSI/ASTM F2487-2017, Practice for Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene and Polypropylene Pipelines (new standard): 5/31/2017
- ANSI/ASTM F2509-2017, Specification for Field-Assembled Anodeless Riser Kits for Use on Outside Diameter Controlled Polyethylene and Polyamide-11 (PA11) Gas Distribution Pipe and Tubing (new standard): 5/30/2017
- ANSI/ASTM F2510-2017, Specification for Resilient Connectors between Reinforced Concrete Manhole Structures and Corrugated High Density Polyethylene Drainage Pipes (new standard): 5/31/2017
- ANSI/ASTM F2536-2017, Guide for Installing Plastic DWV Piping Suspended from On-Grade Slabs (new standard): 5/30/2017
- ANSI/ASTM F2562-2017, Specification for Steel Reinforced Thermoplastic Ribbed Pipe and Fittings for Non-Pressure Drainage and Sewerage (new standard): 5/31/2017

ANSI/ASTM F2600-2017, Specification for Electrofusion Type Polyamide-11 Fittings for Outside Diameter Controlled Polyamide -11 Pipe and Tubing (new standard): 5/30/2017

ANSI/ASTM F2618-2017, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems (new standard): 5/30/2017

ANSI/ASTM F2620-2017, Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM F2623-2017, Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing (new standard): 5/30/2017

ANSI/ASTM F2649-2017, Specification for Corrugated High Density Polyethylene (HDPE) Grease Interceptor Tanks (new standard): 5/30/2017

ANSI/ASTM F2735-2017, Specification for Plastic Insert Fittings for SDR9 Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (new standard): 5/31/2017

ANSI/ASTM F2736-2017, Specification for 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall Pipe and Double Wall Pipe (new standard): 5/30/2017

ANSI/ASTM F2737-2017, Specification for Corrugated High Density Polyethylene (HDPE) Water Quality Units (new standard): 5/30/2017

ANSI/ASTM F2767-2017, Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide -12 Pipe and Tubing for Gas Distribution (new standard): 5/30/2017

ANSI/ASTM F2785-2017, Specification for Polyamide 12 Gas Pressure Pipe, Tubing, and Fittings (new standard): 5/30/2017

ANSI/ASTM F2806-2017, Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR) (new standard): 5/30/2017

ANSI/ASTM F2807-2017, Specification for Multilayer Polyethylene-Polyamide (PE-PA) Pipe for Pressure Piping Applications (new standard): 5/31/2017

ANSI/ASTM F2817-2017, Specification for Poly(Vinyl Chloride) (PVC) Gas Pressure Pipe and Fittings for Maintenance or Repair (new standard): 5/30/2017

ANSI/ASTM F2818-2017, Specification for Specification for Crosslinked Polyethylene (PEX) Material Gas Pressure Pipe and Tubing (new standard): 5/30/2017

ANSI/ASTM F2829-2017, Specification for Metric- and Inch-Sized Crosslinked Polyethylene (PEX) Pipe Systems (new standard): 5/30/2017

ANSI/ASTM F2830-2017, Specification for Manufacture and Joining of Polyethylene (PE) Gas Pressure Pipe with a Peelable Polypropylene (PP) Outer Layer (new standard): 5/30/2017

ANSI/ASTM F2855-2017, Specification for Chlorinated Poly(Vinyl Chloride)/Aluminum/Chlorinated Poly(Vinyl Chloride) (CPVC-AL-CPVC) Composite Pressure Tubing (new standard): 5/30/2017

ANSI/ASTM F2880-2017, Specification for Lap-Joint Type Flange Adapters for Polyethylene Pressure Pipe in Nominal Pipe Sizes 34 in. to 65 in. (new standard): 5/31/2017

ANSI/ASTM F2896-2017, Specification for Reinforced Polyethylene Composite Pipe for the Transport of Oil and Gas and Hazardous Liquids (new standard): 5/31/2017

ANSI/ASTM F2897-2017, Specification for Tracking and Traceability Encoding System of Natural Gas Distribution Components (Pipe, Tubing, Fittings, Valves, and Appurtenances) (new standard): 5/30/2017

ANSI/ASTM F2945-2017, Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings (new standard): 5/30/2017

ANSI/ASTM F2946-2017, Specification for PVC Hub and Elastomeric Seal (Gasket) Tee Connection for Joining Plastic Pipe to in situ Pipelines and Manholes (new standard): 5/31/2017

ANSI/ASTM F2969-2017, Specification for Acrylonitrile-Butadiene-Styrene (ABS) IPS Dimensioned Pressure Pipe (new standard): 5/30/2017

ANSI/ASTM F2987-2017, Specification for Corrugated Polyethylene Pipe and Fittings for Mine Heap Leach Aeration Applications (new standard): 5/30/2017

ANSI/ASTM F3034-2017, Specification for Billets Made by Winding Molten Extruded Stress-Rated High Density Polyethylene (HDPE) (new standard): 5/30/2017

ANSI/ASTM F3124-2017, Practice for Data Recording the Procedure used to Produce Heat Butt Fusion Joints in Plastic Piping Systems or Fittings (new standard): 5/31/2017

ANSI/ASTM F3128-2017, Test Method for Treestand Repetitive Loading Capability (new standard): 5/30/2017

ANSI/ASTM F3190-2017, Practice for Heat Fusion Equipment (HFE) Operator Qualification on Polyethylene (PE) and Polyamide (PA) Pipe and Fittings (new standard): 5/31/2017

ANSI/ASTM F3256-2017, Guide for Reporting and Recording of Near Misses for Maritime Industry (new standard): 5/23/2017

ANSI/ASTM F3257-2017, Guide for Design, Construction and Operation of Vessels Providing Accommodation Service to Offshore Installations (new standard): 5/23/2017

Reaffirmation

ANSI/ASTM F670-2017, Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing (reaffirmation of ANSI/ASTM F670-2012): 5/23/2017

ANSI/ASTM F718-2017, Specification for Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet (reaffirmation of ANSI/ASTM F718-2007 (R2012)): 5/23/2017

ANSI/ASTM F765-2017, Specification for Wildcats, Ship Anchor Chain (reaffirmation of ANSI/ASTM F765-1993 (R2012)): 5/23/2017

ANSI/ASTM F885-2017, Specification for Envelope Dimensions for Bronze Globe Valves NPS 1/4 to 2 (reaffirmation of ANSI/ASTM F885-1984 (R2011)): 5/23/2017

ANSI/ASTM F1331-2017, Practice for Installation Procedures of Vinyl Deck Coverings on Portable Plates in Electrical and Electronic Spaces (reaffirmation of ANSI/ASTM F1331-1997 (R2012)): 5/23/2017

ANSI/ASTM F1455-2017, Guide for Selection of Structural Details for Ship Construction (reaffirmation of ANSI/ASTM F1455-1992 (R2011)): 5/23/2017

Revision

ANSI/ASTM C714-2017, Test Method for Thermal Diffusivity of Carbon and Graphite by Thermal Pulse Method (revision of ANSI/ASTM C714-2010 (R2015)): 5/23/2017

ANSI/ASTM D910-2017, Specification for Leaded Aviation Gasolines (revision of ANSI/ASTM D910-2016): 5/23/2017

ANSI/ASTM D3679-2017, Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding (revision of ANSI/ASTM D3679-2011): 6/1/2017

ANSI/ASTM D6227-2017, Specification for Unleaded Aviation Gasoline Containing a Non-Hydrocarbon Component (revision of ANSI/ASTM D6227-2014): 5/23/2017

ANSI/ASTM D6617-2017, Practice for Laboratory Bias Detection Using Single Test Result from Standard Material (revision of ANSI/ASTM D6617-2013): 5/23/2017

ANSI/ASTM D6792-2017, Practice for Quality System in Petroleum Products and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2013): 5/23/2017

ANSI/ASTM D7254-2017, Specification for Polypropylene (PP) Siding (revision of ANSI/ASTM D7254-2015): 6/1/2017

ANSI/ASTM D7547-2017, Specification for Hydrocarbon Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2015): 5/23/2017

ANSI/ASTM D7566-2017, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2016): 5/23/2017

ANSI/ASTM D7793-2017, Specification for Insulated Vinyl Siding (revision of ANSI/ASTM D7793-2016): 6/1/2017

ANSI/ASTM D7797-2017, Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel Using Flow Analysis by Fourier Transform Infrared Spectroscopy Rapid Screening Method (revision of ANSI/ASTM D7797-2016): 5/23/2017

ANSI/ASTM D7826-2017, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2016): 6/1/2017

ANSI/ASTM F963-2017, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2016): 5/23/2017

ANSI/ASTM F992-2017, Specification for Valve Label Plates (revision of ANSI/ASTM F992-1986 (R2011)): 5/23/2017

ANSI/ASTM F993-2017, Specification for Valve Locking Devices (revision of ANSI/ASTM F993-1986 (R2011)): 5/23/2017

AWS (American Welding Society)

Revision

ANSI/AWS C4.3/C4.3M-2017, Recommended Practices for Oxyfuel Gas Heating Torch Operation (revision of ANSI/AWS C4.3/C4.3M -2007): 6/6/2017

NEMA (ASC C136) (National Electrical Manufacturers Association)

Stabilized Maintenance

ANSI C136.17-1995 (S2017), Standard for Roadway and Area Lighting Equipment - Enclosed Side-Mounted Luminaires for Horizontal-Burning High-Intensity Discharge Lamps - Mechanical Interchangeability of Refractors (stabilized maintenance of ANSI C136.17-1995 (R2010)): 6/6/2017

ANSI C136.28-2006 (S2017), Standard for Roadway and Area Lighting Equipment Glass Lenses Used in Luminaires (stabilized maintenance of ANSI C136.28-2006 (R2011)): 6/6/2017

NEMA (ASC C8) (National Electrical Manufacturers Association)

New Standard

ANSI/ICEA P-45-482-2017, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (new standard): 6/6/2017

NFRC (National Fenestration Rating Council)

Reaffirmation

* ANSI/NFRC 400-2014 (R2017), Procedure for Determining Fenestration Product Air Leakage (reaffirmation of ANSI/NFRC 400 -2014): 6/5/2017

Revision

* ANSI/NFRC 100-2017, Procedure for Determining Fenestration Product U-Factors (revision and redesignation of ANSI/NFRC 100 [E0A1]-2015): 6/5/2017

* ANSI/NFRC 200-2017, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision and redesignation of ANSI/NFRC 200 -2014): 6/5/2017

NSF (NSF International)

Revision

* ANSI/NSF 37-2017 (i6r6), Air Curtain for Entrancesways for Food and Food Service Establishments (revision of ANSI/NSF 37-2012): 6/1/2017

* ANSI/NSF 50-2017 (i125r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 6/4/2017

* ANSI/NSF 50-2017 (i125r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 6/4/2017

* ANSI/NSF 350-2017 (i16r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017): 5/31/2017

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60079-2-2017, Standard for Safety for Explosive Atmospheres - Part 2: Equipment Protection by Pressurized Enclosure "p" (Proposal dated 04-07-17) (national adoption of IEC 60079-2 with modifications and revision of ANSI/UL 60079-2-2010 (R2015)): 6/2/2017

ANSI/UL 60079-26-2017, Standard for Safety for Explosive Atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga (national adoption of IEC 60079-26 with modifications and revision of ANSI/ISA 60079-26 (12.00.03)-2011): 4/21/2017

ANSI/UL 60079-26-2017a, Standard for Safety for Explosive Atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga (national adoption with modifications of IEC 60079-26): 4/21/2017

Reaffirmation

ANSI/UL 467-2013 (R2017), Standard for Safety for Grounding and Bonding Equipment (reaffirmation of ANSI/UL 467-2013): 6/7/2017

ANSI/UL 1730-2007 (R2017), Standard for Safety for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730 -2007 (R2012)): 6/9/2017

Revision

ANSI/UL 13-2017, Standard for Safety for Power-Limited Circuit Cables (Proposal dated 12/9/16) (revision of ANSI/UL 13-2015a): 6/7/2017

ANSI/UL 746A-2017, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2017): 6/7/2017

ANSI/UL 758-2017, Standard for Safety for Appliance Wiring Material (Proposals dated 3/24/17) (revision of ANSI/UL 758-2016): 6/2/2017

* ANSI/UL 1123-2017, Standard for Safety for Marine Buoyant Devices (revision of ANSI/UL 1123 -2011a): 6/2/2017

* ANSI/UL 1123-2017a, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2011): 6/2/2017

* ANSI/UL 1123-2017b, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2011a): 6/2/2017

ANSI/UL 62108-2017, Standard for Concentrator Photovoltaic (CPV) Modules and Assemblies - Design Qualification and Type Approval (revision of ANSI/UL 62108-2012 (R2016)): 6/1/2017

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.

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BSR/ASABE S632-1-201x, Precision Agriculture Irrigation Language:
Core Concepts, Processes, and Objects (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers, and software companies.

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-1) part of the standard defines the core concepts, processes, and objects common to, and subsequently used by, X632-2, X632-3, and X632-4.

BSR/ASABE S632-2 MONYEAR-201x, Precision Agriculture Irrigation
Language: Observations and Measurements (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers, and software companies.

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop, and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-2) part of the standard presents an object model and reference XML serialization schema to represent observations and measurements of relevance to agriculture in general, and irrigation in particular; it is an agriculture-specific implementation of the ISO 19156 Standard.

BSR/ASABE S632-2 MONYEAR-201x, Precision Agriculture Irrigation
Language: Observations and Measurements (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers, and software companies

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-2) part of the standard presents an object model and reference XML serialization schema to represent observations and measurements of relevance to agriculture in general, and irrigation in particular; it is an agriculture-specific implementation of the ISO 19156 Standard.

BSR/ASABE S632-3 MONYEAR-201x, Precision Agriculture Irrigation
Language: Irrigation System Operations (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers, and software companies.

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-3) part of the standard presents an object model and reference XML serialization schema to represent the planning, preparation and as-applied recording of irrigation water and chemical / fertilizer product applications with an irrigation system.

BSR/ASABE S632-4 MONYEAR-201x, Precision Agriculture Irrigation
Language: Sprinkler Charts (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers, and software companies.

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop, and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-4) part of the standard presents an object model and reference XML serialization schema to represent the specification and reporting of pivot sprinkler configuration data typically provided with a pivot nozzle package.

BSR/ASABE S632-4 MONYEAR-201x, Precision Agriculture Irrigation
Language: Sprinkler Charts (new standard)

Stakeholders: Irrigation consultants, designers, equipment manufacturers, governmental agencies, water purveyors, agricultural producers and software companies

Project Need: Water providers, irrigation industry leaders, and end-users need to modify irrigation schedules in response to changing plant water demands. Numerous devices and software systems are used to implement precision irrigation. Data exchange among them is necessary for their effective use, but few of these devices use standard data formats or data exchange methods; this limits their interoperability. Irrigation managers need standardized communication between system inputs and control devices.

The Standard enables the exchange of data regarding the planning and execution of irrigation operations. These data, which include weather, crop and soil moisture observations, as well as irrigation system operations data, are currently stored in multiple proprietary formats. This (X632-4) part of the standard presents an object model and reference XML serialization schema to represent the specification and reporting of pivot sprinkler configuration data typically provided with a pivot nozzle package.

ASTM (ASTM International)

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BSR/ASTM WK59245-201x, New Test Method for Determining Impact Attenuation of Playground Surfaces Within the Use Zone of Playground Equipment as Tested in the Field (new standard)

Stakeholders: Playground Surfacing Systems industry.

Project Need: Provide a test procedure for evaluating the impact attenuation of playground surfaces after installation on a playground.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK59245.htm>

ESTA (Entertainment Services and Technology Association)

Office: 630 Ninth Avenue
Suite 609
New York, NY 10036-3748

Contact: Karl Ruling

Fax: (212) 244-1502

E-mail: standards@esta.org

BSR E1.14-201x, Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals (revision of ANSI E1.14-2001 (R2013))

Stakeholders: Fog machine manufacturers, dealers, users.

Project Need: Some manufacturers want to provide some of the information in electronic form. A revision will help identify what really must be in hard-copy with the equipment and what may be on-line.

This standard applies to the instruction manuals for fog machines manufactured for use in the entertainment industry. This standard is designed to establish guidelines to manufacturers for providing to the user by way of an instruction manual the necessary information required for the safe and responsible use of their fog machine.

BSR E1.42-201x, Entertainment Technology - Design, Installation, and Use of Orchestra Pit Lifts (revision of ANSI E1.42-2016)

Stakeholders: Lift manufacturers, theater owners, theater consultants, users of performance stages.

Project Need: The consensus body would like to see what lessons learned over the last year could be used to improve the standard.

E1.42 covers the design, construction, operation, inspection, testing, maintenance, alteration, and repair of permanently installed orchestra pit lifts and their associated parts, rooms, spaces, enclosures, and hoistways, where located in a theater or a similar place of public entertainment.

InfoComm (InfoComm International)

Office: 11242 Waples Mill Rd Suite 200
Fairfax, VA 22030

Contact: Michelle Streffon

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BSR/INFOCOMM S601.01:201x, Audiovisual Systems Energy Management (revision and redesignation of ANSI/INFOCOMM 4M-2012)

Stakeholders: Owners, managers, and users of audiovisual systems.

Project Need: To provide direction for design and use of power-consuming audiovisual technology by helping specifiers and installers provide users with successful AV solutions that incorporate optimum energy efficiency while adhering to stated operational and functional requirements. By conforming to the requirements of the Standard, users should see a reduction in power consumed by the AV system.

This standard defines and prescribes processes and requirements for ongoing power-consumption management of the audiovisual (AV) system. The Standard identifies requirements for the control and continuous monitoring of electrical power for audiovisual systems, whereby power is conserved whenever possible and components operate at the lowest power-consuming state possible without compromise to the system's performance for the needs of the user. Audiovisual systems in conformance with the Standard will meet the defined requirements for automation, measurement, analysis, and training.

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: Charles Robinson

Fax: (919) 549-8288

E-mail: crobinson@isa.org

BSR/ISA 95.00.09-201x, Enterprise-Control System Integration - Part 9: Common Operations Management Events (new standard)

Stakeholders: End users, equipment/system suppliers, and others in the industrial process industries.

Project Need: To advance the application of the ISA-95 series of standards.

This will be Part 9 of a series of standards that define the interfaces between enterprise activities and control activities. The scope of this document is limited to defining the semantics and structure of the common operations management process-centric events for the activity models defined in ANSI/ISA 95.00.03 and the Level 4 functions that generate information exchanges with Level 3.

MHI (Material Handling Industry)

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Charlotte, NC 28217

Contact: Patrick Davison

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E-mail: pdavison@mhi.org

BSR MH24.2-201X, Power-Operated Vertical Carousels and Vertical Lift Modules (revision of ANSI MH24.2-2016)

Stakeholders: Manufacturers, specifiers, and users of power-operated vertical carousels and vertical lift modules.

Project Need: The purpose of this standard is to serve as a guide for designers, manufacturers, sellers, installers, users, and governing bodies associated with power-operated vertical carousels and vertical lift modules. This update reflects proposed revisions identified during the completion of the 2016 standard.

The scope of this standard is to eliminate or minimize the hazards which can arise during installation, start-up, operation, maintenance, testing, and dismantling of power-operated vertical carousels and vertical lift modules.

BSR/MHI ICWM-201x, Vocabulary, Performance and Testing Requirements for Casters and Wheels (revision of ANSI/MHI ICWM-2012)

Stakeholders: Manufacturers, specifiers, and users of casters and wheels.

Project Need: Update static and dynamic testing of institutional and industrial casters and wheels.

This standard provides a common basis for evaluating the safety, durability, structural adequacy, and technical requirements for category-specific casters and wheels (Furniture Chair Casters, Furniture Non-Chair Casters, Industrial Casters, Institutional and Medical Equipment Bed Casters). Defines industry terms, specific tests, equipment/methods that can be used, conditions of tests, and minimum acceptance levels used in evaluation. These acceptance levels are based on field and test experiences.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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Rosslyn, VA 22209

Contact: Khaled Masri

Fax: (703) 841-3378

E-mail: Khaled.Masri@nema.org

BSR NEMA ICEA S-93-639/WC 74-201x, 5-46 kV Shielded Power Cable for Use in the Transmission and Distribution of Electric Energy (revision of ANSI NEMA ICEA S-93-639/WC 74-2012)

Stakeholders: Utility and manufacturers.

Project Need: Revision of current standard needed to be maintained.

This standard applies to materials, constructions, and testing of 5,000-volt to 46,000-volt shielded crosslinked polyethylene, and ethylene propylene rubber insulated wires and cables which are used for the transmission and distribution of electrical energy for normal conditions of installation and service, either indoors, outdoors, aerial, underground, or submarine.

PCI (Precast/Prestressed Concrete Institute)

Office: 200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Contact: Jim Lewis

E-mail: jlewis@pci.org

- * BSR/PCI MNL-128-201X, Standard for Glass Fiber Reinforced Concrete Panels and Decorative Units, Fifth Edition (new standard)

Stakeholders: Precast concrete industry, construction specifiers, design professionals.

Project Need: The PCI publication will be revised as a new American National Standard.

The information in this manual is intended to provide standards relating to the design, manufacture, and installation of Glass Fiber Reinforced Concrete (GFRC) panels and GFRC decorative units. The primary emphasis of this manual is thin-walled architectural cladding panels made of Alkali-Resistant Glass Fiber Reinforced Concrete panels by the spray-up process in controlled factory conditions. These cladding panels are capable of supporting and transferring wind and self-weight as well as their own inertial seismic loads to the building's load-resisting system, but are not considered as vertical load-bearing components or as part of the lateral load-resisting system.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Rd
Exton, PA 19341

Contact: Kim Cooney

Fax: (800) 542-5040

E-mail: kcooney@scte.org

- BSR/SCTE 35-201x, Digital Program Insertion Cueing Message for Cable (revision of ANSI/SCTE 35-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: Update to current technology.

This standard supports delivery of events, frame accurate or non-frame accurate, and associated descriptive data in MPEG-2 transport streams, MPEG-DASH and HLS. This standard supports the splicing of content (MPEG-2 transport streams, MPEG-DASH, etc.) for the purpose of Digital Program Insertion, which includes advertisement insertion and insertion of other content types. An in-stream messaging mechanism is defined to signal splicing and insertion opportunities and it is not intended to ensure seamless insertion (splicing, playlist, etc.).

SDI (Steel Deck Institute)

Office: PO Box 426
Glenshaw, PA 15116

Contact: Robert Paul

E-mail: bob@sdi.org

- * BSR/SDI-C-201x, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI-C-2017)

Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck installers. In the producer category, stakeholders include steel deck manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes, sets requirements and guidelines for all aspects of composite steel floor deck applications from design through installation.

SDI-C-20xx is a revision of the existing ANSI/SDI-C-2017 standard. SDI-C-2017 is a standard for composite steel floor deck to be used by designers, specifiers, manufacturers, and installers of composite steel floor deck-slabs. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of composite steel floor deck. Non-mandatory user notes are included for further clarification and guidance.

- * BSR/SDI-NC-201x, Standard for Non-Composite Steel Floor Deck (revision of ANSI/SDI NC-2017)

Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck installers. In the producer category, stakeholders include steel deck manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes, sets requirements and guidelines for all aspects of non-composite steel floor deck applications from design through installation.

SDI-NC-20xx is a revision of the existing ANSI/SDI-NC-2017 standard. ANSI/SDI-NC-2017 is a standard for non-composite steel floor deck to be used by designers, specifiers, manufacturers, and installers of non-composite steel floor deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of non-composite steel floor deck. Non-mandatory user notes are included for further clarification and guidance.

- * BSR/SDI-RD-201x, Standard for Steel Roof Deck (revision of ANSI/SDI RD-2017)

Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck installers. In the producer category, stakeholders include steel deck manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes, sets requirements and guidelines for all aspects of steel roof deck applications from design through installation.

SDI-RD-20xx is a revision of the existing ANSI/SDI-RD-2017 standard. ANSI/SDI-RD-2017 is a standard for steel roof deck to be used by designers, specifiers, manufacturers, and installers of steel roof deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of steel roof deck. Non-mandatory user notes are included for further clarification and guidance.

* BSR/SDI-T-CD-201x, Test Standard for Composite Steel Deck Slabs
(revision of ANSI/SDI T-CD-2017)

Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck installers. In the producer category, stakeholders include steel deck manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes, sets requirements and guidelines for structural testing of composite steel deck slabs.

SDI-T-CD-20xx is a revision of the existing ANSI/SDI-T-CD-2017 standard. ANSI/SDI-T-CD-2017 is a standard for structural testing of composite steel deck slabs to be used by designers, specifiers, manufacturers, and installers of composite steel deck slabs. The specification sets guidelines and requirements relating to methods for structural testing of composite steel deck slabs. Non-mandatory user notes are included for further clarification and guidance.

* BSR/SDI QA/QC-201x, Standard for Quality Control and Quality Assurance for Installation of Steel Deck (revision of ANSI/SDI QA/QC-2017)

Stakeholders: In the general interest category, stakeholders include educators, researchers, representatives of regulatory agencies, technical or professional societies, and manufacturers of related products. In the user category, stakeholders are specifiers, users, and installers of steel deck, including design engineers, architects, agencies that purchase or specify steel deck, installers, or distributors. In the producer category, stakeholders include steel deck and accessory manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes and commentary, sets requirements and guidelines for quality control and quality assurance for installation of steel deck.

SDI-QA/QC-20xx is a revision of the existing ANSI/SDI-QA/QC-2017 standard. ANSI/SDI-QA/QC-2017 is a standard for quality control and quality assurance for installation of steel deck to be used by designers, specifiers, manufacturers, and installers of steel deck used in floors and roofs. The specification sets guidelines and requirements for quality control and quality assurance for installation of steel deck. Non-mandatory user notes and commentary are included for further clarification and guidance.

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)
- AARST (The AARST Consortium on National Radon Standards)
- AGA (American Gas Association)
- AGSC-AGRSS (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.

ABMA (ASC B3)

American Bearing Manufacturers Association

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Fax: (919) 827-4587
Web: www.americanbearings.org

ASA (ASC S2)

Acoustical Society of America
1305 Walt Whitman Road Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 923-2875
Web: www.acousticalsociety.org

ASABE

American Society of Agricultural and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7027
Fax: (269) 429-3852
Web: www.asabe.org

ASC X9

Accredited Standards Committee X9, Incorporated
275 West Street
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Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1214
Fax: (678) 539-2214
Web: www.ashrae.org

ASME

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

ASSE (Safety)

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

ASTM

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Fax: (610) 834-3683
Web: www.astm.org

AWS

American Welding Society
8669 NW 36th Street
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Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

B11

B11 Standards, Inc.
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CPLSO

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CSA

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ESTA

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InfoComm

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ISA (Organization)

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MHI

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NASBLA

National Association of State Boating Law Administrators
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NEMA (ASC C136)

National Electrical Manufacturers Association
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NEMA (ASC C37)

National Electrical Manufacturers Association
1300 North 17th Street
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Web: www.nema.org

NEMA (ASC C8)

National Electrical Manufacturers Association
1300 N 17th St
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Fax: (703) 841-3378
Web: www.nema.org

NFRC

National Fenestration Rating Council
6305 Ivy Lane
Suite 140
Greenbelt, MD 20770
Phone: (240) 821-9513
Fax: (301) 589-3884
Web: www.nfrc.org

NSF

NSF International
789 N. Dixboro Road
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Web: www.nsf.org

PCI

Precast/Prestressed Concrete Institute
200 West Adams Street, Suite 2100
Chicago, IL 60606-5230
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Web: www.pci.org

SAIA (ASC A92)

Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
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SCTE

Society of Cable Telecommunications Engineers
140 Philips Rd
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SDI (Canvass)

Steel Deck Institute
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UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
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Fax: (847) 664-3038
Web: www.ul.com

VC (ASC Z80)

The Vision Council of North America
225 Reinekers Lane
Alexandria, VA 22314
Phone: 585-387-9913
Web: www.z80asc.com



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ISO Standards

AIR QUALITY (TC 146)

ISO/DIS 20435-1, Workplace Atmospheres - Part 1: Gas detectors - Performance requirements of detectors for toxic gases - 6/30/2017, \$119.00

ISO/DIS 16000-36, Indoor air - Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber - 9/2/2017, \$82.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 9206, Aerospace - Fixed displacement hydraulic motors - General specifications - 9/2/2017, \$112.00

ISO/DIS 8153-2, Aerospace fluid systems and components - Vocabulary - Part 2: Fittings and couplings - 6/29/2017, \$58.00

ISO/DIS 14620-1, Space systems - Safety requirements - Part 1: System safety - 8/26/2017, \$102.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 17256, Anaesthetic and respiratory equipment - Respiratory therapy tubing and connectors - 11/5/2025, \$58.00

ISO/DIS 19211, Anaesthetic and respiratory equipment - Fire-activated oxygen shut-off devices for use during oxygen therapy - 8/31/2017, \$67.00

ISO/DIS 80601-2-79, Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment - 6/28/2017, \$155.00

ISO/DIS 80601-2-80, Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency - 6/28/2017, \$155.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/DIS 21083-1, Test method to measure the efficiency of air filtration media against spherical nanomaterials - Part 1: Particle size range from 20 to 500 nm - 8/27/2017, \$112.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 14405-2/DAmD1, Geometrical product specifications (GPS) - Dimensional tolerancing - Part 2: Dimensions other than linear sizes - Amendment 1 - 6/30/2017, \$46.00

EARTH-MOVING MACHINERY (TC 127)

ISO 7132/DAmD1, Earth-moving machinery - Dumpers - Terminology and commercial specifications - Amendment 1 - 6/30/2017, \$33.00

ERGONOMICS (TC 159)

ISO/DIS 9241-306, Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays - 7/2/2017, \$125.00

FIRE SAFETY (TC 92)

ISO/DIS 23932-1, Fire safety engineering - General principles - Part 1: General - 6/30/2017, \$93.00

FLUID POWER SYSTEMS (TC 131)

ISO 16589-1/DAmD1, Rotary shaft lip-type seals incorporating thermoplastic sealing elements - Part 1: Nominal dimensions and tolerances - Amendment 1 - 8/27/2017, \$29.00

ISO/DIS 8139, Pneumatic fluid power - Cylinders, 1 000 kPa (10 bar) series - Mounting dimensions of rod-end spherical eyes - 6/30/2017, \$33.00

ISO/DIS 8140, Pneumatic fluid power - Cylinders, 1 000 kPa (10 bar) series - Mounting dimensions of rod-end clevises - 6/30/2017, \$33.00

GUIDELINES FOR AUDITING MANAGEMENT SYSTEMS (TC 302)

ISO/DIS 19011, Guidelines for auditing management systems - 8/26/2017, \$119.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO/DIS 16111, Transportable gas storage devices - Hydrogen absorbed in reversible metal hydride - 6/29/2017, \$107.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 1070, Hydrometry - Slope - Area Method - 9/1/2017, \$93.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 13019, Tissue-engineered medical products - Quantification of sulfated glycosaminoglycans (sGAG) for evaluation of chondrogenesis - 8/26/2017, \$71.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 2631-5, Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 5: Method for evaluation of vibration containing multiple shocks - 8/31/2017, \$119.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 19740, Optics and photonics - Optical materials and components - Test method for homogeneity of infrared optical materials - 8/20/2017, \$77.00

ISO/DIS 19742, Optics and photonics - Optical materials and components - Test method for bubbles and inclusions in infrared optical materials - 8/25/2017, \$40.00

ISO/DIS 17123-9, Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 9: Terrestrial laser scanners - 7/1/2017, \$107.00

OTHER

ISO/DIS 22517, Leather - Chemical tests - Determination of pesticide residues content in leather - 6/29/2017, \$62.00

ISO/DIS 5398-1, Leather - Chemical determination of chromic oxide content - Part 1: Quantification by titration - 8/25/2017, \$46.00

ISO/DIS 5398-4, Leather - Chemical determination of chromic oxide content - Part 4: Quantification by inductively coupled plasma (ICP) - 8/25/2017, \$46.00

ISO/DIS 17072-1, Leather - Chemical determination of metal content - Part 1: Extractable metals - 8/31/2017, \$46.00

ISO/DIS 17072-2, Leather - Chemical determination of metal content - Part 2: Total metal content - 8/31/2017, \$40.00

ISO/DIS 17075-3, Leather - Chemical determination of chromium(VI) content in leather - Part 3: Thermal pre-ageing of leather and determination of hexavalent chromium - 6/29/2017, \$40.00

ISO/DIS 23702-1, Leather - Organic fluorine - Part 1: Determination of the non-volatile compound content by extraction method using liquid chromatography - 6/29/2017, \$67.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 2812-2, Paints and varnishes - Determination of resistance to liquids - Part 2: Water immersion method - 8/25/2017, \$46.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 3924, Petroleum products - Determination of boiling range distribution - Gas chromatography method - 7/2/2017, \$88.00

PLASTICS (TC 61)

ISO/DIS 17422, Plastics - Environmental aspects - General guidelines for their inclusion in standards - 8/26/2017, \$58.00

ROAD VEHICLES (TC 22)

ISO/DIS 19825, Road vehicles - Liquefied petroleum gas (LPG) refuelling connector - 6/29/2017, \$82.00

ISO/DIS 20766-1, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 1: General requirements and definitions - 6/28/2017, \$46.00

ISO/DIS 20766-2, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 2: Performance and general test methods - 6/28/2017, \$58.00

ISO/DIS 20766-3, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 3: 80% stop valve - 6/28/2017, \$40.00

ISO/DIS 20766-4, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 4: Level indicator - 6/28/2017, \$40.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 3858, Rubber compounding ingredients - Carbon black - Determination of light transmittance of toluene extract - 12/9/2025, \$46.00

ISO/DIS 7781, Styrene-butadiene rubber, raw - Determination of soap and organic-acid content - 6/30/2017, \$58.00

SMALL CRAFT (TC 188)

ISO/DIS 12215-5, Small craft - Hull construction and scantlings - Part 5: Design pressures, design stresses, scantling determination - 11/13/2015, \$165.00

STEEL (TC 17)

ISO/DIS 4986, Steel castings - Magnetic particle inspection - 8/26/2017, \$98.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 11135/DAmD1, Sterilization of health-care products - Ethylene oxide - Requirements for the development, validation and routine control of a sterilization process for medical devices - Amendment 1 - 8/31/2017, \$33.00

TEXTILES (TC 38)

ISO/DIS 3175-4, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning - 6/30/2017, \$53.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 7714, Agricultural irrigation equipment - Volumetric valves - General requirements and test methods - 6/30/2017, \$67.00

ISO/DIS 10517, Powered hand-held hedge trimmers - Safety - 8/26/2017, \$102.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 17264/DAmD1, Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces - Amendment 1 - 9/2/2017, \$46.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 28580, Tyre rolling resistance measurement method - Single point test and measurement result correlation - Designed to facilitate international cooperation and, possibly, regulation building - 7/2/2017, \$93.00

WOOD-BASED PANELS (TC 89)

ISO/DIS 2426-4, Plywood - Classification by surface appearance - Part 4: Palm-plywood - 6/28/2017, \$33.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21000-19/DAmD1, Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology - Amendment 1: Extensions on time-segments and multi-track audio - 6/8/2017, \$77.00

IEC Standards

14/913/CD, IEC 60214-2 ED2: Tap-changers - Part 2: Application Guide, 017/9/1/

22/279/CDV, IEC 62477-2 ED1: Safety requirements for power electronic converter systems and equipment - Part 2: Power electronic converters from 1000 V a.c. or 1500 V d.c. up to 36 kV a.c. or 54 kV d.c., 017/9/1/

- 31/1323/FDIS, IEC 60079-18/AMD1 ED4: Amendment 1: Explosive atmospheres - Part 18: Equipment protection by encapsulation "m", 2017/7/21
- 34C/1345/NP, PNW 34C-1345: Digital Addressable Lighting Interface - Part 223: Particular requirements for control gear - Lightoutput compensation over Lifetime (device type 22), 017/9/1/
- 34C/1335A/CDV, IEC 62442-1/AMD1 ED1: Amendment 1 - Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear, 2017/8/25
- 34C/1336A/CDV, IEC 62442-2/AMD1 ED1: Amendment 1 - Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of the controlgear, 2017/8/25
- 45/831/CD, IEC 63047 ED1: Nuclear instrumentation - Data format for list-mode digital data acquisition used in radiation detection and measurement, 017/9/1/
- 47/2397/CDV, IEC 62951-3 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 3: Evaluation of thin film transistor characteristics on flexible substrates under bulging, 017/9/1/
- 47/2395/CDV, IEC 62435-4 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 4: Storage, 017/9/1/
- 47/2398/CDV, IEC 62951-2 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 2: Acceleration test for electron mobility, sub-threshold swing, and threshold voltage of flexible devices, 017/9/1/
- 47A/1021/CD, IEC 63011-2 ED1: Integrated circuits - Three dimensional integrated circuits - Part 2: Alignment of stacked dies having fine pitch interconnect, 017/9/1/
- 47A/1023/CD, IEC 62228-3 ED1: Integrated circuits - EMC evaluation of transceivers - Part 3: CAN transceivers, 017/9/1/
- 47A/1022/CD, IEC 61967-1 ED2: Integrated circuits - Measurement of electromagnetic emissions - Part 1: General conditions and definitions, 017/9/1/
- 49/1220/CDV, IEC 63041-1 ED1: Piezoelectric Sensors - Part 1: Generic Specifications, 017/9/1/
- 49/1221/CDV, IEC 63041-2 ED1: Piezoelectric Sensors - Part 2: Chemical and Biochemical Sensors, 017/9/1/
- 55/1617A/NP, PNW 55-1617: Specifications for particular types of winding wires - Part 80: Polyvinyl acetal enamelled rectangular copper wire, class 120, with a bonding layer, 2017/7/28
- 56/1742/Q, Revision of IEC 61025: 2006 Fault tree analysis (FTA), 2017/7/21
- 59F/324/CD, IEC 62885-2 ED2: Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance, 017/8/4/
- 62D/1478/CDV, ISO 80601-2-79 ED1: Medical Electrical Equipment - Part 2-79: Particular requirements for basic safety and essential performance of home healthcare environment ventilatory support equipment for respiratory impairment, 017/9/1/
- 62D/1480/CDV, ISO 80601-2-80 ED1: Medical Electrical Equipment - Part 2-80: Particular requirements for basic safety and essential performance of home healthcare environment ventilatory support equipment for respiratory insufficiency, 017/9/1/
- 77/530/DC, Corrigendum to publication IEC 61000-6-5 Ed. 1 - Electromagnetic compatibility (EMC) - Part 6-5: Generic standards - Immunity for equipment used in power station and substation environment, 017/8/4/
- 78/1187/Q, Revision of IEC 60903 - Electrical Insulating Gloves / IEC 60984 -Electrical Insulating Sleeves, 2017/7/21
- 86C/1467/CD, IEC 62149-10 ED1: Fibre optic active components and devices - Performance standards - Part 10: RoF (radio over fiber) transceivers for mobile fronthaul, 017/9/1/
- 100/2921/CDV, IEC 62448 ED4: Multimedia systems and equipment - Multimedia e-publishing and e-books - Generic format for e-publishing, 017/9/1/
- 110/879/CD, IEC 62679-2 ED1: Electronic paper display - Part 2: Essential ratings and characteristics, 017/8/4/
- 119/175/NP, PNW 119-175: Printed electronics - Part 202-7: Materials - Conductive ink - Measurement of peel strength for printed conductive layer on flexible substrate, 017/9/1/
- 119/177/NP, PNW 119-177: Future IEC 62899-502-2: Printed Electronics - Part 502-2: Mechanical and environmental combined stress test methods for flexible OLED elements, 017/9/1/
- 121A/154/CD, IEC 60947-2/AMD1 ED5: Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, 017/9/1/
- CIS/A/1215A/CD, CISPR 16-1-1 ED4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus, 2017/8/25
- CIS/B/682/CD, Amendment 2 Fragment 1 to CISPR 11 Ed. 6: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT), 017/9/1/
- CIS/F/710/CD, CISPR 14-1/AMD1/FRAG1 ED6: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission, 017/9/1/



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

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

[ISO 19720-1:2017](#), Building construction machinery and equipment - Plants for the preparation of concrete and mortar - Part 1: Terminology and commercial specifications, \$138.00

COPPER, LEAD AND ZINC ORES AND CONCENTRATES (TC 183)

[ISO 11790:2017](#), Copper, lead, zinc and nickel concentrates - Guidelines for the inspection of mechanical sampling systems, \$103.00

[ISO 11794:2017](#), Copper, lead, zinc and nickel concentrates - Sampling of slurries, \$185.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 11491:2017](#), Implants for surgery - Determination of impact resistance of ceramic femoral heads for hip joint prostheses, \$68.00

MECHANICAL TESTING OF METALS (TC 164)

[ISO 24213:2017](#), Metallic materials - Sheet and strip - Method for springback evaluation in stretch bending, \$68.00

NICKEL AND NICKEL ALLOYS (TC 155)

[ISO 9725:2017](#), Nickel and nickel alloy forgings, \$103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 8255-1:2017](#), Microscopes - Cover glasses - Part 1: Dimensional tolerances, thickness and optical properties, \$45.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 13141/Amd1:2017](#), Electronic fee collection - Localisation augmentation communication for autonomous systems - Amendment 1, \$19.00

[ISO 17361:2017](#), Intelligent transport systems - Lane departure warning systems - Performance requirements and test procedures, \$68.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 20000-6:2017](#), Information technology - Service management - Part 6: Requirements for bodies providing audit and certification of service management systems, \$103.00

IEC Standards

ELECTRIC CABLES (TC 20)

[IEC 60287-3-1 Ed. 2.0 b:2017](#), Electric cables - Calculation of the current rating - Part 3-1: Operating conditions - Site reference conditions, \$164.00

[S+ IEC 60287-3-1 Ed. 2.0 en:2017 \(Redline version\)](#), Electric cables - Calculation of the current rating - Part 3-1: Operating conditions - Site reference conditions, \$213.00

FIRE HAZARD TESTING (TC 89)

[IEC 60695-11-2 Ed. 3.0 b:2017](#), Fire hazard testing - Part 11-2: Test flames - 1 kW pre-mixed flame - Apparatus, confirmatory test arrangement and guidance, \$117.00

[S+ IEC 60695-11-2 Ed. 3.0 en:2017 \(Redline version\)](#), Fire hazard testing - Part 11-2: Test flames - 1 kW pre-mixed flame - Apparatus, confirmatory test arrangement and guidance, \$152.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 62908-12-10 Ed. 1.0 en:2017](#), Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, \$235.00

OTHER

[IEC GUIDE 112 Ed. 4.0 en:2017](#), Guide on the safety of multimedia equipment, \$23.00

PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)

[IEC 62884-1 Ed. 1.0 en:2017](#), Measurement techniques of piezoelectric, dielectric and electrostatic oscillators - Part 1: Basic methods for the measurement, \$352.00

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 notified 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 notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit:

<https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

Contact the USA TBT Inquiry Point at: (301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@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.

ANSI Accredited Standards Developers

Approval of Reaccreditation

American Iron and Steel Institute (AISI)

ANSI's Executive Standards Council has approved the reaccreditation of the American Iron and Steel Institute (AISI), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on AISI-sponsored American National Standards, effective June 13, 2017. For additional information, please contact: Mr. Jay W. Larson, P.E., F. ASCE, Managing Director, Construction Technical, American Iron and Steel Institute, 3425 Drighon Court, Bethlehem, PA 18020-1335; phone: 610.691.6334; e-mail: jl Larson@steel.org.

ATCC – American Type Culture Collection

The reaccreditation of ATCC – American Type Culture Collection, an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on ATCC-sponsored American National Standards, effective June 14, 2017. For additional information, please contact: Ms. Christine Alston-Roberts, Standards & Certification Specialist, ATCC, 10801 University Boulevard, Manassas, VA 20110-2209; phone: 703.365.2700, ext. 2802; e-mail: calston-roberts@atcc.org.

International Society of Automation (ISA)

ANSI's Executive Standards Council has approved the reaccreditation of the International Society of Automation (ISA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ISA-sponsored American National Standards, effective June 13, 2017. For additional information, please contact: Mr. Charley Robinson, Director, Standards & Technology, International Society of Automation, P.O. Box 12277, 67 T.W. Alexander Drive, Research Triangle Park, NC 27709; phone: 919.990.9213; e-mail: crobinson@ISA.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 17/SC 7 – Methods of Testing (Other than Mechanical Tests and Chemical Analysis)

Reply Deadline: June 22, 2017

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17, wishes to relinquish their membership in ISO/TC 17/SC 7.

ISO/TC 17/SC 7 operates under the following scope:

Standardization of methods of testing steel other than:

- mechanical tests
- chemical analysis
- non-destructive tests covered by other ISO/TC 17/SCs and ISO/TC 135.

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/TC 17/SC 20 – General Technical Delivery Conditions, Sampling and Mechanical Testing Methods

Reply Deadline: June 22, 2017

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17, wishes to relinquish their membership in ISO/TC 17/SC 20.

ISO/TC 17/SC 20 operates under the following scope:

Standardization of general technical delivery conditions, inspection documents and general rules for selection and preparation of samples and test pieces for mechanical testing of wrought steels.

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).

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 118/SC 1 – *Process Compressors*

Reply Deadline: June 23, 2017

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Netherlands (NEN), the ISO delegated Secretariat of ISO/TC 118/SC 1, wishes to relinquish the role of the Secretariat.

ISO/TC 118/SC 1 operates under the following scope:

Standardization in the field of compressors for the process, petroleum, chemical and gas industry services.

Note: Expander-compressor units are included.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 118/SC 1. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

Information concerning the United States acquiring the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).



**BSR/ASHRAE/ASHE Addendum q
to ANSI/ASHRAE/ASHE Standard 170-2013**

Public Review Draft

**Proposed Addendum q to
Standard 170-2013, Ventilation of
Health Care Facilities**

**First Public Review (May 2016)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts 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).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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

BSR/ASHRAE/ASHE Addendum q to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*

First Public Review Draft

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

FOREWORD

This proposed addendum makes changes to the purpose and scope of the standard. The following changes are being proposed:

- a. Add “resident” to differentiate from “patient” in residential health applications (Section 2.3).
- b. Remove the word “comfort” and relocate temperature, humidity, odor and asepsis from Purpose to Scope to coordinate and acknowledge that SSPC 55 has a specific definition of “comfort” that is different from that in Standard 170 (Sections 2.4 and 2.5).
- c. Clarify that Standard 170 addresses more than outside air quantities, to better differentiate from Standard 62.1 (Section 2.6)

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

Addendum q to 170-2013

Revise the Purpose and Scope (Sections 1 and 2) of Standard 170-2013 as shown below.

1. PURPOSE

The purpose of this standard is to define ventilation system design requirements that provide environmental control ~~for comfort, asepsis, and odor~~ in health care facilities.

2. SCOPE

2.1 The requirements in this standard apply to patient and resident care areas and related support areas within health care facilities, ~~including hospitals, nursing facilities, and outpatient facilities.~~

2.2 This standard applies to new buildings, additions to existing buildings, and those alterations to existing buildings that are identified within this standard.

2.3 This standard considers chemical, physical, and biological contaminants that can affect the delivery of medical care to patients and residents; the convalescence of patients and residents; and the safety of patients, residents, health care workers, and visitors.

2.4 This standard establishes design requirements for temperature and humidity.

2.5 This standard establishes design requirements for odor control and asepsis.

BSR/ASHRAE/ASHE Addendum q to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*

First Public Review Draft

2.6 This standard establishes design requirements for the volumetric flow rate of air including, but not limited to, outdoor air to serve health care spaces.

BSR/SAIA A92.20-201X**Establishing DESIGN, CALCULATIONS, SAFETY REQUIREMENTS and TEST METHODS for MOBILE ELEVATING WORK PLATFORMS (MEWPs)****4.2.4 Structural Calculations****4.2.4.1 General**

~~4.2.4.1.3 For MEWPs that follow the enhanced methods to avoid exceeding permissible stresses defined in 4.4.1, the rated load shall be multiplied by a factor of 1.2 with the increased mass applied to the mass of tools and materials.~~

4.2.4.2.1.4 Stresses imposed by the load and force combinations defined in 4.2.4.1 shall not exceed 66.7% of either the minimum yield strength, or the column strength of the ductile materials.

When using the criteria for enhanced overload methods in 4.4.1.6, stresses imposed by the load and force combinations defined in 4.2.4.1 shall not exceed 50% of either the minimum yield strength or the column strength of the ductile materials.

4.4.1.5 Criteria for Enhanced Stability for Limited Work Platform Dimensions

- b) For the static test specified in 5.1.4.23.1, the test loads shall be calculated using 150% of the rated load as identified in 4.2.1. The other load and force combinations specified in 4.2.2 shall remain as specified.

4.4.1.6 Criteria for Enhanced Overload for Limited Work Platform Dimensions

- b) For the overload test specified in 5.1.4.34, the test load shall be 150% of the rated load.

BSR/UL 60335-2-89-201X, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor

2 Normative references

2DV.1 DR Modification of Clause 2 to add the following normative references:

Any reference to International Standards that have been adopted as National Standards of Canada and/or the USA or are adopted subsequent to the publication of this standard, shall be replaced by the relevant National Standard of Canada and/or the USA.

Where reference is made to CSA Group or UL publications, such reference shall be considered to refer to the latest edition and all amendments published to that edition. This Standard refers to the following publications, and the years shown indicate the latest editions available at the time of printing:

7 Marking and instructions

This clause of Part 1 is applicable except as follows.

7.1ADV DR Add Clauses 7.1ADV.1 to 7.1ADV.6 to Clause 7 of the Part 2

7.1ADV.2 For a self-contained refrigerator or freezer ~~refrigerator freezer~~ with an incorporated refrigerant unit, the following markings shall be located near the machine compartment. For a remote refrigerator or freezer, the following markings shall be located by the inter-connecting refrigerant tubing connections and by the nameplate:

- a) "DANGER - Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing".
- b) "CAUTION - Risk Of Fire Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed".

101.DVG.9.1 For partial units, all internal wiring must be sized in accordance with the NEC and CEC ampacity tables based on the maximum load of the component(s) being serviced, and the wire shall be rated at no less than 75°C.

BSR/UL 162, Standard for Safety for Standard for Foam Equipment and Liquid Concentrates

1. Water Powered Oscillating Monitors, New 3.17A, New 3.17B, New 7A

(NEW)

3.17A MONITOR, MANUALLY OPERATED - A monitor that includes manual controls for adjusting elevation and sweep and may include manual controls for adjusting rotation.

(NEW)

3.17B MONITOR, WATER POWERED OSCILLATING - A monitor that includes an integral hydraulic circuit that automatically controls the sweeping motion of the monitor over a specified angle; includes manual override controls for adjusting the sweeping motion; manual controls for adjusting elevation; and may include manual controls for adjusting rotation, sweep angle, and sweep speed.

7A Water Powered Oscillating Monitor Cycling Test

(NEW)

7A.1 A water powered oscillating monitor shall withstand the effects of cycling for two hours without visible damage or a reduction in performance.

7A.2 Water is to be discharged for two hours through representative water oscillating monitor and nozzle configurations resulting in automatic sweeping motion of the monitor. When the monitor includes adjustable sweep angles and/or sweep speeds, the two hour duration shall be equally divided amongst the combination of sweep angles and sweep speeds.

2. Update Commercial Grade Heptane Specifications, Revised 3.27

3.27 TEST FUELS –

a) HEPTANE - Commercial grade hydrocarbon having the following characteristics:

Distillation -	
<u>Minimum initial</u> Initial boiling point	190°F (88.9°C)
<u>50 percent</u>	201°F (94°C)
<u>Maximum dry</u> Dry point	212-208°F (100-98°C)
Specific Gravity (60°F/60°F) (15.6°C/15.6°C)	0.67 - 0.73 0.702 (not critical)
Gravity°API	70.2 (not critical)

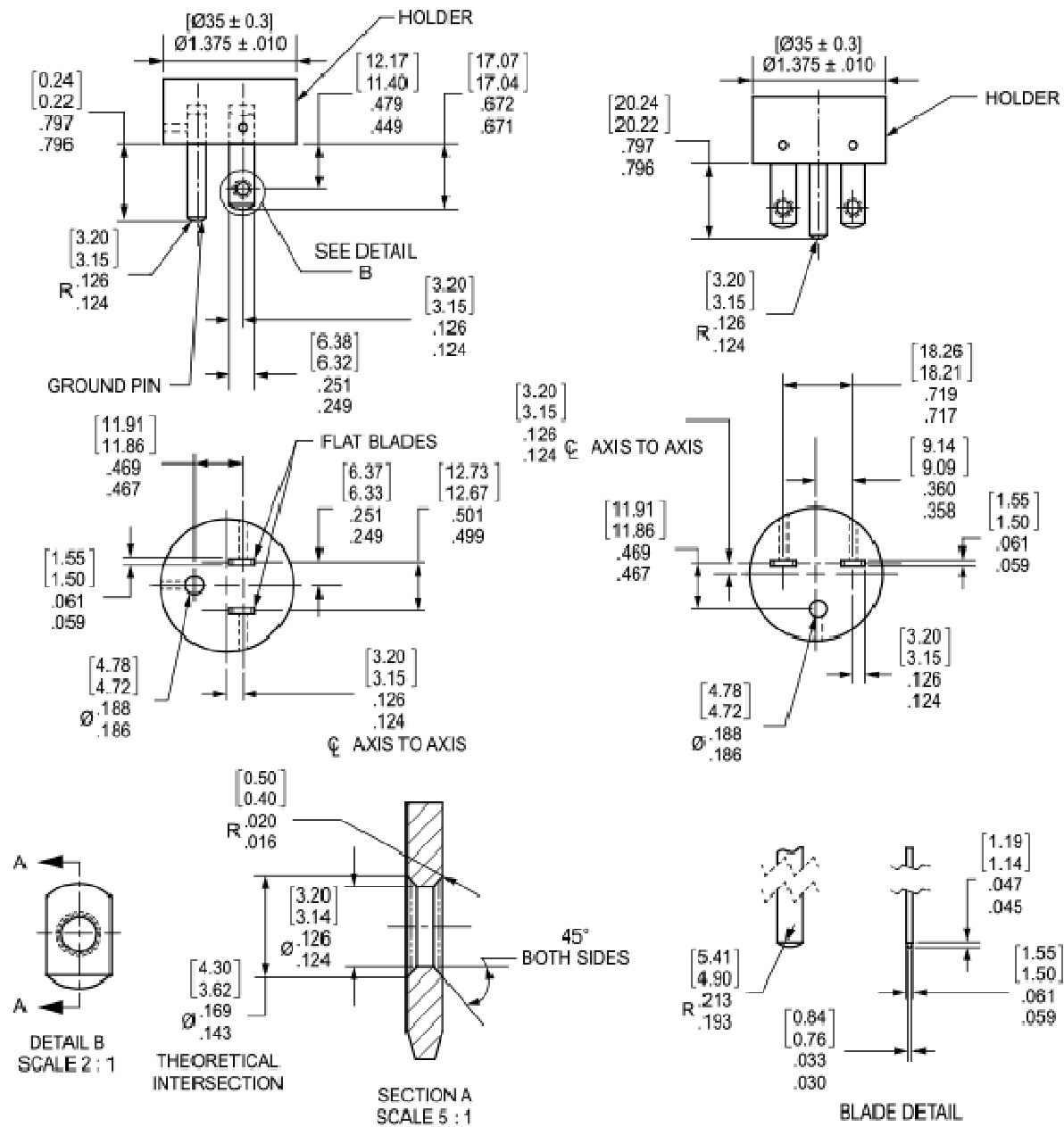
BSR/UL 498, Standard for Attachment Plugs and Receptacles

PROPOSAL

1. Revision of Figure 109.1

Figure 109.1

Test gauge



su2739

NOTES

- 1) Pin and blades shall be made of tool steel, Rockwell Hardness C58 to C60.
- 2) Sharp edges of the blades shall be removed to radius of ~~0.40 mm to 0.50 mm~~ 0.016 to 0.020" 0.016 to 0.020" 0.40 mm to 0.50 mm. Ends of all flat blades bevelled as shown in the end of blade detail.
- 3) Blade surfaces shall have a maximum of ~~813 nm~~ 32 microinch 32 microinch 813 nm surface finish in a direction 90° to major axis. Finish is to be determined visually using a comparative method and 10X optical magnification.
- 4) "R" designates radius.
- 5) Grounding pin and flat blades ~~may~~ shall be removable and ~~snug~~ fit in hole/slot with ~~0.05 mm~~ 0.002" maximum clearance of 0.002" 0.05 mm
- 6) All dimensions are in ~~mm~~ inches. Dimensions in bracket are in ~~inches~~ mm.
- 7) ~~General tolerance not otherwise specified is ± 0.3 mm [± 0.012 "]~~ Flat blade position in relation to main axis shall be used to suit configurations 1-15R, 5-20R, 5-20RA, 6-20R, 6-20RA
- 8) General tolerance not otherwise specified is ± 0.012 " [± 0.3 mm]

BSR/UL 583, Standard for Safety For Electric-Battery-Powered Industrial Trucks

Subject 583

PROPOSAL

5.5.1.1 Automated or Autonomous Vehicle or AGV - A robotic vehicle system that includes: the robot (hardware and software); a manipulator whether mobile or not; power supply and control system; the end-effector(s); any equipment, devices, or sensors required for the robot to perform its tasks; and any communication interface that is operating and monitoring the robot, equipment, or sensors, as far as these peripheral devices are supervised by the robot control system.

8.12 In addition to the requirements within this standard, the robotic system of an automated guided vehicle shall comply with the requirements in the Standard for Robots and Robotic Equipment, UL 1740.

21 Abnormal Operation

21.1 As a test of the ability of a truck to withstand abuse, the truck is to be tested as described in 21.2 and 21.3. There shall be no indication of damage to any parts of the truck that causes a risk of fire, electric shock, or explosion as a result of this test. A thermostat or an overcurrent-protective device that causes interruption of power to the traction or pump motor shall not operate during the first 5 cycles of the test described in 21.2. If such interruption does occur during the remainder of the test, a thermostat is to be permitted to reclose and an overcurrent-protective device is to be replaced or reclosed. The test is then to be continued until all of the prescribed operations have been concluded.

Exception No. 1: When the truck has a cut-back function (activated by temperature, current, etc.) which reduces the truck's performance, but allows it to continue operation, and this happens after the first five cycles, the test shall continue at the reduced performance level.

Exception No. 2: This test does not apply to automated guided vehicles that have control systems that comply with UL 1740 and will not allow for the truck to lift or carry a load that exceeds the marked rating of the truck.

22 Temperature

22.1 General

22.1.1 The materials employed in the construction of a truck, when tested as specified

for the type of truck, shall not exceed the temperatures in both 22.1.4 and for each component, if specified for that component during operation under conditions of rated load.

22.1.2 For constructions that incorporate current limiting devices, temperature limiting devices, cooling fans, or a combination, the test shall be conducted as follows:

a) Constructions with cooling fans only:

With the cooling fans disconnected, the temperature limits specified in 22.1.4 shall apply.

b) Constructions with cooling fans, and current limiting/and or temperature limiting devices:

With the current and temperature limiting devices disabled or not functional, the temperature limits specified in 22.1.4 shall apply. If a cooling fan operates during the test, the test shall then be repeated with the cooling fan(s) disconnected and with current and temperature limiting devices connected. During the repeated test, a current or temperature limiting device is permitted to terminate the test by interruption of power to the traction or pump motor. If an interruption only reduces performance, the test shall be continued and the temperature limits specified in 22.1.4 shall apply.

c) Constructions without cooling fans, and with current limiting and/or temperature limiting devices:

If a current and/or temperature limiting device interrupts the power to the traction or pump motor by means of power reduction, the test shall continue and the temperature limits specified in 22.1.4. If the power is terminated, the test shall be repeated 5 times. Between each test, the current and temperature limiting devices shall be allowed to reset. The temperature limits specified in 22.1.4 shall apply.

d) Constructions with control systems that comply with UL 1740, that include but not limited to, cooling fans, current limiting and/or temperature limiting devices shall be allowed to operate, however the temperature limits specified in 22.1.4 shall apply. If the power is terminated due to the control system, the test shall be considered successful if the temperature limits specified in 22.1.4 are not exceeded.

22.1.3 Prior to the temperature test, a truck is to be equipped with a fully charged storage battery of the maximum voltage and ampere-hour capacity or a fully charged fuel cell of the maximum operating pressure and continuous output power intended to be used with that specific truck. The tests described in 22.2.1 - 22.4.1 are to be conducted at such a rate of power consumption that the battery is discharged in 8 hours. A greater rate of power consumption to enable normal operation of the truck is to be used when necessary. The rate of power consumption is to be determined by one of the following:

a) Fully charged battery

$$\text{Battery depletion time} = \left[\frac{(480 \text{ min}) (\text{Amp Hours Consumed})}{(\text{Amp Hour Rating}) (\# \text{ of Cycles})} \right] - \left[\frac{\text{Cycle Time}}{\# \text{ of Cycles}} \right]$$

Where:

- 480 min = 8 hours x 60 min/hour
- Amp Hours Consumed = The amount of amps consumed during the battery depletion qualification cycles
- Amp Hour Rating = Maximum ampere-hour rating for the specific truck
- # of Cycles = Number of cycles used during battery depletion qualification (typical number of cycles is 5)
- Cycle Time = Time needed to complete the # of cycles during the battery depletion qualification

Exception: If the maximum ampere-hour battery is not available, a smaller ampere-hour capacity battery may be used, however the difference of battery weight shall be compensated on the truck.

b) Fully charged fuel cell

i) For truck designs that incorporate interchangeability between a battery and fuel cell, the tests described in 22.2.1 - 22.4.1 are to be conducted at the same rate of battery discharge as was calculated in 22.1.3(a). If the fuel cell does not have the capacity to run for 8 hours, an allowance of ten minutes is permitted to refuel the fuel cell during the test as required upon low state of fuel / energy notification by the fuel cell.

or

ii) For truck designs that do not incorporate interchangeability between a battery and fuel cell, the tests described in 22.2.1 - 22.4.1 are to be conducted. If the fuel cell does not have the capacity to run for 8 hours, an allowance of ten minutes is permitted to refuel the fuel cell during the test as required upon low state of fuel / energy notification by the fuel cell. The truck shall operate with the fuel cell at maximum charge sustain load until temperature stabilization of truck components or 8 hours of run time.

22.1.4 During the test described in 22.2.1 - 22.4.1, the enclosure surface temperature of a component shall not exceed the maximum temperature rating for the component or a maximum limit of 175°C (347°F), whichever is less. The test may be conducted at any ambient temperature with the range of 10 - 40°C (50 - 104°F) when it is corrected by addition [if the ambient temperature is lower than 25°C (77°F)] or subtraction [if the ambient temperature is higher than 25°C (77°F)]. The test is to be continued until constant temperatures have been reached. A temperature is considered to be constant

when readings taken during any continuous 1 hour period of the test indicate an increase of no more than 3°C (5°F). The maximum duration is eight hours.

SUPPLEMENT SB - ELECTRIC-BATTERY-POWERED INDUSTRIAL/COMMERCIAL FLOOR CLEANING MACHINES

GENERAL

SB1 Scope

SB1.4 These requirements do not cover the robotic system of an automated guided vehicle

SB3 Temperature Test

SB3.2.1 The test course for self-propelled floor cleaners does not contain a ramp.

BSR/UL 698A, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations

1. Revisions to 6.1, 7.1 and 7.3 to Update Referenced Standards

PROPOSAL

6.1 Barriers shall comply with the following requirements based on the intended area:

- a) For Division 1 hazardous (classified) locations: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.
- b) For Zone 0 and Zone 1 hazardous (classified) locations: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.
- c) For Zone 20 and Zone 21 hazardous (classified) locations: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006 or the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.

7.1 Intrinsically safe equipment, located in a Division 1, Zone 0, Zone 1, Zone 20 or Zone 21 area, that is intended to be connected to a barrier in the panel, shall be limited to simple apparatus.

Exception: Connection to intrinsically safe equipment, other than simple apparatus, is not prohibited when the connection complies with the following requirements based on the intended area:

- a) For Division 1 hazardous (classified) locations: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.
- b) For Zone 0 and Zone 1 hazardous (classified) locations: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.
- c) For Zone 20 and Zone 21 hazardous (classified) locations: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006 or the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.

7.3 For simple apparatus other than switches, the maximum power (P_o) delivered from the barrier to the simple apparatus shall not exceed 1.3 W for temperature considerations. The maximum power shall be determined by either a marked value on the barrier or by the following calculation:

$$P_o = (V_{oc} \cdot I_{sc}) \div 4$$

in which V_{oc} and I_{sc} are per the marked values on the barrier.

Exception: The maximum power (P_o) shall not exceed 1.3 W unless the apparatus complies with the following requirements based on the intended areas:

- a) For Division 1 hazardous (classified) locations: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.
- b) For Zone 0 and Zone 1 hazardous (classified) locations: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.
- c) For Zone 20 and Zone 21 hazardous (classified) locations: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006 or the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.

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BSR/UL 1446, Standard for Safety for Systems of Insulating Materials – General

1. Additional clarification in 1.5 for other types of electrical insulation systems that operate above 1000 V.

1.5 These requirements do not cover electrical insulation systems where transient overvoltages or partial discharge are present. Such electrical insulation systems shall be evaluated to the appropriate standard for the application. Such standards include, but are not limited to the following: Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers, Including Open-Wound, Solid-Cast, and Resin-Encapsulated Transformers, IEEE C57.12.60.

- a) The Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers, Including Open-Wound, Solid-Cast, and Resin-Encapsulated Transformers, IEEE C57.12.60;
- b) The Standard for Rotating Electrical Machines - Part 18-31: Functional Evaluation of Insulation Systems - Test Procedures for Form-Wound Windings - Thermal Evaluation and Classification of Insulation Systems Used in Rotating Machines, IEC 60034-18-31; or
- c) The Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils for Machines Rated 15 000 V and Below, IEEE 1776.

2. Correction of cross references in SA5.2.1.

SA5.2 Addition of varnishes to systems originally evaluated without a varnish

SA5.2.1 The addition of a varnish to an insulation system which was originally evaluated without a varnish is ~~not permitted~~ permitted when all of the following criteria are met:

- a) The varnish/enamelled magnet wire combination must have been investigated per ~~SC2.1-6-4~~ with the resulting twisted pair temperature class of the combination not more than one temperature class below the temperature class of the unvarnished magnet wire as tested in accordance with ~~SB3.3-5-2-3~~; and
- b) Chemical compatibility of the varnish with the entire system shall be determined by one of the following:
 - 1) Section SA7, Insulation Systems - One Temperature Thermal Aging;
 - 2) Section SA8, Insulation Systems - Two Temperature Thermal Aging; or
 - 3) Section SA9, Sealed Tube Chemical Compatibility Testing.

3. Revision of 5.1.1 to include reference to IEC 60505 to clarify the electrical insulation systems thermal evaluation.

3 References

Table 3.1
Test methods

ASTM Standards
ASTM D1676, Standard Test Methods for Film-Insulated Magnet Wire
ASTM D2307, Standard Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire
ASTM D2519, Standard Test Method for Bond Strength of Electrical Insulating Varnishes by the Helical Coil Test
ASTM D3145, Standard Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method
ASTM D3251, Standard Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire
ASTM D5642, Standard Test Method for Sealed Tube Chemical Compatibility Test
ASTM E178, Standard Practice for Dealing with Outlying Observations
IEC Standards
IEC 60172, Test Procedure for the Determination of the Temperature Index of Enamelled and Tape Wrapped Winding Wires [ASTM D2307, Standard Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire]
IEC 60317, Specifications for Particular Types of Winding Wires (all parts) [ASTM D1676, Standard Test Methods for Film-Insulated Magnet Wire]
IEC 60455-2, Resin Based Reactive Compounds Used for Electrical Insulation - Part 2: Methods of Test
IEC 60455-3, Resin Based Reactive Compounds Used for Electrical Insulation Part 3: Specifications for Individual Materials (all sheets for individual resins) [ASTM D3251, Standard Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire]
IEC 60493-1, Guide for the Statistical Analysis of Ageing Test Data - Part 1: Methods Based on Mean Values of Normally Distributed Test Results
IEC TR 60493-2, Guide for the Statistical Analysis of Ageing Test Data - Part 2: Validation of Procedures for Statistical Analysis of Censored Normally Distributed Data [ASTM E178, Standard Practice for Dealing with Outlying Observations]
<u>IEC 60505, Evaluation and Qualification of Electrical Insulation Systems</u>
IEC 60851, Winding Wires – Test Method (all parts)
IEC 61033, Test Methods for the Determination of Bond Strength of Impregnating Agents to an Enamelled Wire Substrate [ASTM D2519, Standard Test Method for Bond Strength of Electrical Insulating Varnishes by the Helical Coil Test]
IEC 61857, Electrical Insulation Systems - Procedures for Thermal Evaluation (all parts)
IEC 61858-1, Electrical Insulation Systems - Thermal Evaluation of Modifications to an Established Electrical Insulation System (EIS) - Part 1: Wire-Wound Winding EIS [ASTM D5642, Standard Test Method for Sealed Tube Chemical Compatibility Test]
IEEE Standards
IEEE 1, Recommended Practice - General Principles for Temperature Limits in the Rating of Electrical Equipment and for the Evaluation of Electrical Insulation
IEEE 99, Recommended Practice for the Preparation of Test Procedures for the Thermal Evaluation of Insulation Systems for Electric Equipment
IEEE 101, Guide for the Statistical Analysis of Thermal Life Test Data
NEMA Standards
NEMA MW 1000, Magnet Wire

PERFORMANCE CRITERIA

5 Insulation Systems

5.1 General

5.1.1 Electrical insulation systems shall be ~~subjected to~~ evaluated following the guidelines as set forth in the Standard for Evaluation and Qualification of Electrical Insulation Systems, IEC 60505. ~~A~~ a full thermal aging program, in conjunction with a qualified reference insulation system, ~~test~~ test protocol and sample requirements, ~~are~~ is specified in Section 6, Electrical Insulation Systems - Full Thermal Aging for this purpose.

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