ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: October 9, 2016

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

Addenda

BSR/ASHRAE/IES Addendum 100a-201x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2015)

This proposed addendum makes changes to the Purpose of the Standard to more clearly indicate the overall goal which is to reduce energy use in existing buildings, while recognizing the importance of both energy efficiency and actual performance.

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2743-201x, Standard for Portable Power Packs (new standard)

Revisions to the first edition of UL 2743 are being recirculated: The First edition of UL 2743, Standard for Portable Power Packs, covers: Portable and movable power packs provided with one or more batteries or electrochemical capacitor modules. If provided with a battery, the battery shall be either a lead acid or a lithium ion battery. The power packs are provided with one or more inputs and they are provided with one or more outputs. For power packs provided with a booster function, the power packs are used for providing a temporary power source to a depleted land vehicle battery, rated 12 or 24 V, to provide emergency starting power.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498A-201X, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2016)

(1) Withdrawal of proposal: Revision to the Adapter Circuit Limitation

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 982-201x, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2015)

(1) Blender with capacitive touch screen control; (2) Use of standby and push-push on/off symbols; (4) Addition of Blender Blade Endurance Test; (10) Cautionary marking legibility and visibility; (11) Authorized service centers.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 8750-201X, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2015)

The following topics for the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750, are being recirculated: (1) Add Supplement SE - Requirements for Class P LED Drivers.

Click here to view these changes in full

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

Comment Deadline: October 24, 2016

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

BSR/ASAE S390.6 (ISO 12934:2013) MONYEAR, Tractors and machinery for agriculture and forestry - Basic types - Vocabulary (national adoption with modifications of ISO 12934:2013)

This standard provides terms and definitions for agricultural field equipment designed primarily for use in agricultural operations for the production of food and fibre. This standard also applies to agricultural tractors used in forestry applications. Purpose-built forestry machines, as defined by ISO 6814, are not included.

Single copy price: $58.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

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

Addenda

BSR/ASHRAE/IES Addendum 100b-201x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2015)

This proposed addendum provides normative primary energy EUI target tables along with a primary energy EUI calculation option in Normative Appendix A, to add an alternative compliance path. Primary energy EUI target tables are to be selected by the authority having jurisdiction (AHJ) using the same procedures as currently used for selecting the site EUI target tables. A primary EUI calculation option and associated EUI target tables for electricity and fossil fuel use are included in Appendix A. The qualified person is permitted to demonstrate compliance using either the site energy target or primary energy target selected by the AHJ.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

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

Revision

BSR/ASHRAE Standard 174-201x, Method of Test for Rating Desiccant-Based Dehumidification Equipment (revision of ANSI/ASHRAE Standard 174 -2009)

This revision of Standard 174-2009 provides test methods for rating the performance of desiccant-based dehumidification equipment.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

ASSE (ASC Z490) (American Society of Safety Engineers)

Revision

BSR/ASSE Z390.1-201X, Accepted Practices for Hydrogen Sulfide (H2S) Training Programs (revision of ANSI/ASSE Z390.1-2006 (R2010))

This standard sets forth accepted practices for hydrogen sulfide (H2S) safety training and instruction of affected personnel to include, but not be limited to, the following: Minimum informational content of the course; Recommended exercises and drills; Properties and characteristics of H2S; Sources of H2S and areas of potential exposure; Typical site-specific safe work practices associated with H2S operations; Detection methods for H2S; Engineering/mitigation controls; Properties, characteristics and safe work practices of Sulfur Dioxide (SO2)

Single copy price: $77.00

Obtain an electronic copy from: OMunteanu@ASSE.org

Order from: Ovidiu Munteanu, (847) 232-2012, OMunteanu@ASSE.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR/ATIS 1000010-2006 (S201x), Support of Emergency Telecommunications Service ETS in IP Network (stabilized maintenance of ANSI/ATIS 1000010-2006 (R2011))

This document defines the procedures and capabilities required to support Emergency Telecommunications Service (ETS) within and between Internet Protocol (IP) based service provider networks.

Single copy price: $175.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

AWS (American Welding Society)

New Standard

BSR/AWS-NAVSEA B2.1-1-304-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic carbon-dioxide shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

Single copy price: $128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

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

AWS (American Welding Society)

New Standard

BSR/AWS-NAVSEA B2.1-1-305-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Welded or PWHT Condition, Primarily Plate and Structural Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic gas shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

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

AWS (American Welding Society)

New Standard

BSR/AWS-NAVSEA B2.1-1-316-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (S -1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-3, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic gas metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

Single copy price: $128.00

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

AWS (American Welding Society)

New Standard

BSR/AWS-NAVSEA B2.1-1-317-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using semiautomatic gas shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

Single copy price: $128.00

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Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS C7.4/C7.4M-201X, Process Specification and Operator Qualification for Laser Beam Welding (revision of ANSI/AWS C7.4/C7.4M -2008)

This specification covers the preparation, the processing and quality control requirements for laser beam welding. Welding equipment includes Gas Lasers (CO2) and Solid-State Lasers (Nd:YAG, Yb:YAG, Nd:Glass, Diode, Ruby, Disk and Fiber) in both pulsed, continuous power (CW) and quasi-continuous (QCW) output as defined in AWS A3.0/A3.0, Standard Welding Terms and Definitions. Tutorial information regarding techniques of welding or details of equipment setup or operation is beyond the scope of this specification.

Single copy price: $68.00

Obtain an electronic copy from: pportela@aws.org

Order from: Peter Portela, (305) 443-9353, pportela@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS D1.6/D1.6M-201x, Structural Welding Code - Stainless Steel (revision of ANSI/AWS D1.6-2007)

This code covers the requirements for welding stainless steel structural assemblies.

Single copy price: $124.00

Obtain an electronic copy from: sborrero@aws.org

Order from: Stephen Borrero, (305) 443-9353, sborrero@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS F4.1-201X, Safe Practices for the Preparation of Containers and Piping for Welding, Cutting, and Allied Processes (revision of ANSI/AWS F4.1-2007)

This standard informs the reader of the necessary safe practices to be followed in the cleaning and preparation of containers and piping for welding or cutting. It describes various methods for cleaning, including water, steam, hot chemical and mechanical, and techniques to be used for their proper preparation, such as inerting.

Single copy price: $28.00

Obtain an electronic copy from: steveh@aws.org

Order from: Stephen Hedrick, (305) 443-9353, steveh@aws.org

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

AWWA (American Water Works Association)

Revision

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

This standard describes manual, semiautomatic, and automatic field welding by the metal arc-welding process for steel water pipe manufactured in accordance with ANSI/AWWA C200, Standard for Steel Water Pipe - 6 In. (150 mm) and Larger.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C901-201x, Polyethylene (PE) Pressure Pipe and Tubing, 3/4 In. (19 mm) Through 3 In. (76 mm), for Water Service (revision of ANSI/AWWA C901-2008)

This standard describes polyethylene (PE) pressure pipe and tubing made from material having standard PE code designation PE4710 and intended for use in potable water, reclaimed water, and wastewater service.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

CSA (CSA Group)

Reaffirmation

BSR/CSA FC3-2004 (R201x), Portable Fuel Cell Power Systems (reaffirmation of ANSI/CSA FC3-2004 (R2009))

This Standard applies to ac- and dc-type portable fuel cell power systems, with a rated output voltage not exceeding 600 V, for commercial, industrial, and residential indoor and outdoor use in non-hazardous locations, in accordance with the Rules of the National Electric Code, ANSI/NFPA 70.

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

EOS/ESD (ESD Association, Inc.)

Revision

BSR/ESD STM5.5.1-201x, ESD Association Standard Test Method for Electrostatic Discharge (ESD) Sensitivity Testing - Transmission Line Pulse (TLP) - Device Level (revision, redesignation and consolidation of ANSI/ESD STM5.5.1-2014 and ANSI/ESD SP5.5.2-2007)

The scope and focus of this document pertains to TLP testing techniques of semiconductor components. The focus of the document is on quasi-static application of TLP testing techniques; however, the techniques can also be applied to study transient behavior of semiconductor components.

Single copy price: $105.00 (List)/$75.00 (EOS/ESD Members) [Hardcover]; $130.00 (List)/$100.00 (EOS/ESD Members) [Softcover]

Obtain an electronic copy from: cearl@esda.org

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

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

HI (Hydraulic Institute)

Revision

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of ANSI/HI 11.6-2012)

This standard is intended to provide uniform procedures for performance, hydrostatic, net positive suction head required (NPSHR), submersible motor integrity, and vibration testing of submersible pumps; and data recording and reporting of the test results.

Single copy price: $100.00

Obtain an electronic copy from: tserazi@pumps.org

Order from: Tori Serazi, (973) 267-9700, tserazi@pumps.org

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

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

Revision

BSR N42.37-201x, Standard for Evaluation and Performance of Radiation Detection Portal Monitors for Use in Homeland Security (revision of ANSI N42.37-2006)

This standard provides training requirements for four levels of training as part of the domestic capabilities to detect, analyze, and report on nuclear and other radioactive materials that are out of regulatory control. This standard describes training requirements applying to these training levels across the range of Federal, State, Tribal, Territorial, and Local governments, and the private sector conducting the preventive Radiological/Nuclear Detection (RND) mission to reduce the risk of terrorists or covert state-sponsored attacks on the United States using radiological or nuclear Weapons of Mass Destruction (WMDs).

Single copy price: N/A

Obtain an electronic copy from: s.vogel@ieee.org

Order from: Susan Vogel, 732-562-3817, s.vogel@ieee.org

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

NASBLA (National Association of State Boating Law Administrators)

New Standard

BSR/NASBLA 102-201X, Basic Boating Knowledge - Sailing (new standard)

This Standard applies to basic sailing knowledge education and proficiency assessment in the United States, U.S. territories, and the District of Columbia. This document establishes the national standard for basic recreational sailing knowledge with a primary focus on safety and mitigation of risks associated with recreational sail boating. This Standard contains the basic knowledge elements that a beginner (entry-level) operator should have in order to safely operate a small sailboat of less than 26 feet in length by day in light to moderate winds (up to 12 knots) and sea conditions. Auxiliary power knowledge is not included. On-water skill elements are not included.

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 C18) (National Electrical Manufacturers Association)

Revision

BSR C18.3M, Part 2-201x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2011)

This American National Standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse. For reference, the chemical systems standardized in ANSI C18.3M, Part 1 are: lithium carbon monofluoride, lithium manganese dioxide, and lithium iron disulfide.

Single copy price: $84.00

Obtain an electronic copy from: Communications@nema.org

Order from: Khaled Masri, (703) 841-3278, khaled.masri@nema.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

BSR/ICEA S-91-674-2011 (R201x), Coax/TP Composite Buried Service Wire (reaffirmation of ANSI/ICEA S-91-674-2011)

This Standard covers mechanical and electrical requirements of service wires containing at least one coaxial core and optionally up to six twisted pairs, used for service applications to extend the telephone/multimedia circuit from the distribution terminal to the subscriber's station protected or NID (Network Interface Device) or protected NIU (Network Interface Unit). Furthermore, a distinction between Type I and Type II is made with regard to transmission characteristics and shielding materials of the coaxial unit. Buried Service Wire is used to extend buried telephone plant from the distribution cable to the subscriber. The coaxial unit is intended to be used for either RF or compressed digital video and radio transmissions. This unit shall also allow bi-directional traffic. The coaxial unit should also be capable of carrying high-speed digital signals for LAN/WAN applications (such as T1, ISDN, etc.) as well as POTS (Plain Old Telephone Services). The network supporting these protocols will be based upon physical lines having a characteristic impedance of 75 Ohms. The coaxial units are specified in three and four common sizes for Type I and Type II, respectively, to accommodate different drop lengths. The twisted pair wires are intended for voice and data transmission and their characteristics are based upon existing system requirements and projected application needs.

Single copy price: $172.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

BSR/ICEA S-92-675-2011 (R201x), Coaxial and Coaxial/Twisted Pair Composite Aerial Service Wires - Technical Requirements (reaffirmation of ANSI/ICEA S-92-675-2011)

Multi Dwelling Unit (MDU) cables covered by this standard include two classes of cables using single-mode fiber. The first class includes cables used for distribution and delivery of optical fiber from a demarcation point starting at a conventional optical fiber cable, optical fiber splitter, or active optical device through an aesthetic duct or less rigorous routing path. This class of cable may consist of an indoor-only rated cable, the Compact Drop, or Small Form Factor Compact Drop. The second class of cable is defined to be more rugged and is described as cables that usually terminate at the customer electronics or Optical Network Terminal (ONT). The rugged cable class may be stapled, routed around corners under tension, and coiled in a tight diameter. Examples include the Rugged Indoor Drop or Indoor/Outdoor Rugged Drop.

Single copy price: $160.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

BSR/ICEA S-103-701-2000 (R201x), Riser Cables - Technical Requirements (reaffirmation of ANSI/ICEA S-103-701-2004 (R2011))

This Standard covers mechanical, electrical and flammability requirements for riser cables. Depending upon the application and system requirements, this Standard provides choices for materials and transmission characteristics. For those characteristics where no differentiation is made, the performance requirements are applicable to all cables. Selection of the applicable type shall be at the discretion of the user and shall be designated in the product specification.

Single copy price: $122.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 148-201x, Specifications for Male 'F' Terminator, 75 ohm (revision of ANSI/SCTE 148-2008)

The purpose of this specification is to specify requirements of the Male 'F' Terminators that are used on 'F' ports as specified in ANSI/SCTE 01-2015 and ANSI/SCTE 02-2015. This specification is not intended to limit or restrict any manufacturers from innovative designs and product improvements.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

TNI (The NELAC Institute)

Revision

BSR/TNI EL-V1-201x, Management and Technical Requirements for Laboratories Performing Environmental Analysis (revision of ANSI/TNI EL-V1-2009)

The proposed standard will replace an existing ANS with the same title, incorporating modules on: proficiency testing, quality systems general requirements, asbestos testing, chemical testing, microbiological testing, radiochemical testing, and toxicity testing.

Single copy price: $130.00

Obtain an electronic copy from: ken.jackson@nelac-institute.org

Order from: Ken Jackson, (518) 899-9697, ken.jackson@nelac-institute.org

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

TNI (The NELAC Institute)

Revision

BSR/TNI EL-V2-201x, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories (revision of ANSI/TNI EL-V2-2009)

The proposed standard will replace an existing ANS with the same title, incorporating modules on general requirements, proficiency testing, and on-site assessment.

Single copy price: $130.00

Obtain an electronic copy from: ken.jackson@nelac-institute.org

Order from: Ken Jackson, (518) 899-9697, ken.jackson@nelac-institute.org

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

TNI (The NELAC Institute)

Revision

BSR/TNI EL-V3-201x, General Requirements for Environmental Proficiency Test Providers (revision of ANSI/TNI EL-V3-2009)

The proposed standard will replace an existing ANS with the same title and similar content.

Single copy price: $120.00

Obtain an electronic copy from: ken.jackson@nelac-institute.org

Order from: Ken Jackson, (518) 899-9697, ken.jackson@nelac-institute.org

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

TNI (The NELAC Institute)

Revision

BSR/TNI EL-V4-201x, General Requirements for an Accreditor of Environmental Proficiency Test Providers (revision of ANSI/TNI EL-V4-2009)

The proposed standard will replace an existing ANS with the same title and similar content.

Single copy price: $120.00

Obtain an electronic copy from: ken.jackson@nelac-institute.org

Order from: Ken Jackson, (518) 899-9697, ken.jackson@nelac-institute.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 7004-201x, Standard for Sustainability for Household Cooking Appliances (new standard)

This Standard covers:

(a) built-in cook tops: (i) electric powered: (1) radiant;(2) halogen;(3) coil; (4) induction; (5) grill; (ii) gas powered: (1) sealed burner; (2) open burner;

(b) built-in ovens: (i) electric powered: (1) single cavity; (2) multiple cavity; (ii) gas powered: (1) single cavity; (2) multiple cavity; and

(c) ranges: (i) electric powered: (1) free standing; (2) built-in; (3) single cavity; (4) multiple cavity; (ii) gas powered: (1) free standing; (2) built-in; (3) single cavity; (4) multiple cavity; (iii) hybrid gas/electric: (1) free standing; (2) built-in; (3) single cavity; and (4) multiple cavity.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (Proposal dated 9/9/16) (revision of ANSI/UL 758-2016)

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

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: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1180-201X, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2012)

UL proposes a revision to the label requirements of UL 1180.

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: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

Comment Deadline: November 8, 2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.2.3.5M-1979 (R201x) , Metric Hex Bolts (reaffirmation of ANSI/ASME B18.2.3.5M-1979 (R2011))

This standard covers the complete general and dimensional data for metric hex bolts.

Single copy price: $35.00

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

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.13.1M-2011 (R201x), Screw and Washer Assemblies: Sems (Metric Series) (reaffirmation of ANSI/ASME B18.13.1M-2011)

This Standard covers the general, dimensional, material, and mechanical requirements for metric through-hardened (property classes 8.8, 9.8, and 10.9) machine screws and case-hardened tapping screws from 5-mm to 12-mm captivated washer assemblies (SEMS). The covered washer types are helical, plain, conical, and toothed.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.16M-2004 (R201x), Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws - Inch (reaffirmation of ANSI/ASME B18.16M-2004 (R2009))

This Standard covers the complete general, dimensional, mechanical, and performance data for metric prevailing-torque hex nuts and hex flange nuts of property classes 5, 9, and 10 as defined in ASTM A563M.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.21.1-2009 (R201x), Washers: Helical Spring-Lock, Tooth Lock, and Plain Washers (reaffirmation of ANSI/ASME B18.21.1-2009)

This Standard covers the dimensional requirements, physical properties, and related test methods for helical spring-lock washers (# 0 through 3 in.), tooth-lock washers (# 2 through 1 3/4 in.), and plain washers (# 0 through 3 in.).

Single copy price: $34.00

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

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.31.5-2011 (R201x) , Bent Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.31.5-2011)

This Standard establishes general requirements for parts classified as bent bolts. Dimensional requirements are provided in tables for U-bolts of differing bends, eyebolts, hook bolts of differing bends, and J-bolts. General requirements are provided for offset round bend, J-bolts, square bend hook bolts, vee bend U-bolts, and slant U-bolts.

Single copy price: $35.00

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591 -8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Withdrawal

ANSI/ASME B18.5.2.1M-2006 (R2011), Metric Round Head Short Square Neck Bolts (withdrawal of ANSI/ASME B18.5.2.1M-2006 (R2011))

This Standard covers the general and dimensional data for metric-series round-head short square-neck bolts and intended primarily for applications in thin metals.

Single copy price: $38.00

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

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591 -8018, guzman@asme.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 1384-201X, Standard for Water-Based Automatic Extinguisher Units (new standard)

UL proposes the first edition of the Standard for Water-Based Automatic Extinguisher Units, UL 1384.

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: Nicolette Allen, (919) 549 -0973, Nicolette.Allen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2127-201X, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2016)

UL proposes the third edition of the Standard for Inert Gas Clean Agent Extinguishing System Units, UL 2127.

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: Nicolette Allen, (919) 549 -0973, Nicolette.Allen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2166-201X, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2016)

UL proposes the third edition of the Standard for Halocarbon Clean Agent Extinguishing System Units, UL 2166.

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: Nicolette Allen, (919) 549 -0973, Nicolette.Allen@ul.com

Technical Reports Registered with ANSI

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO TIR19024-2016, Evaluation of CPB devices relative to their capabilities of reducing the transmission of Gaseous MicroEmboli (GME) to a patient during cardiopulmonary bypass (TECHNICAL REPORT) (technical report)

Recommends acceptable methodology for conducting gaseous microemboli (GME) testing and discusses limitations of current test methods. Tests described in this document are limited to those conducted using an in vitro circulatory system. Applicable to all devices intended for extracorporeal circulatory support during cardiopulmonary bypass (CPB). Outlines approaches currently used to assess the ability of CPB devices to handle GME.

Single copy price: $59.00 (AAMI members); $98.00 (list)

Order from: http://my.aami.org/store/

Send comments (with copy to psa@ansi.org) to: Cliff Bernier, (703) 253 -8263, cbernier@aami.org

B11 (B11 Standards, Inc.)

B11 TR1-2016, Technical Report for Machines - Ergonomic Guidelines for Design, Installation, and Use (TECHNICAL REPORT) (technical report)

This document provides ergonomic design guidelines intended to improve quality, performance and safety by reducing fatigue and injury associated with manufacturing systems, including individual and integrated machines and auxiliary components. It is intended to be a resource that can be applied to:

a) Design or major modification, installation and use of machines and their auxiliary components;

b) Design of a manufacturing system supporting machines and auxiliary components;

c) Improve safety, quality, and productivity, and reduce errors associated with a manufacturing system.

Integrating ergonomic concepts early in the design process should maximize the impact and cost-effectiveness of ergonomic interventions during the design process. The goal of this document is to provide guidance on the practical application of ergonomic principles in order to avoid work-related injuries and musculoskeletal disorders (MSDs), increase productivity, and improve product quality.

This document is directed towards technicians, engineers, designers, and safety and health practitioners who deal with general ergonomic issues related to machines. It is not intended to replace in-depth analysis by qualified and experienced ergonomists.

Single copy price: $105.00

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

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

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

EOS/ESD (ESD Association, Inc.)

ANSI/ESD S4.1-1997 (R2006), ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Worksurfaces - Resistance Measurements

Correction

Repeated CFC Listing

BSR/ASME B16.21-201x

In the Call-for-Comment section of the September 2, 2016 issue of Standards Action, BSR/ASME B16.21-201x was listed in error. The public review for this project was already announced in the July 22, 2016 issue and the comment period is due to close on September 20, 2016.

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.

API (American Petroleum Institute)

Office: 1220 L Street NW
Washington, DC 20005

Contact: *William Freeman*

Phone: (202) 682-8286

E-mail: freemanw@api.org

BSR/API Specification 14L,3rd Edition-201x, Specification for Lock Mandrels and Landing Nipples (national adoption with modifications of ISO 16070:2005(Modified))

ASSE (ASC Z490) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Ovidiu Munteanu*

Phone: (847) 232-2012

E-mail: OMunteanu@ASSE.org

BSR/ASSE Z390.1-201X, Accepted Practices for Hydrogen Sulfide (H2S) Training Programs (revision of ANSI/ASSE Z390.1-2006 (R2010))

CAPA (Certified Automotive Parts Association)

Office: 1000 Vermont Avenue N.W.
Suite 1010
Washington, DC 20005

Contact: *Deborah Klouser*

Phone: (202) 737-2212

Fax: (202) 737-2214

E-mail: debbie@CAPAcertified.org

BSR/CAPA 101-001-201x, Standard Test Method for Striker Retention Testing of Automotive Replacement Sheet Metal Hoods with Strikers (new standard)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: *Tori Serazi*

Phone: (973) 267-9700

Fax: (973) 267-9055

E-mail: tserazi@pumps.org

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of ANSI/HI 11.6-2012)

NEMA (National Electrical Manufacturers Association)

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

Contact: *Andrei Moldoveanu*

Phone: (703) 841 3290

Fax: (703) 841 3390

E-mail: and_moldoveanu@nema.org

BSR/NEMA ESM1-201x, ESM1 Metrological requirements for electrical submeters (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.

AGA (ASC Z380) (American Gas Association)

Addenda

ANSI/GPTC Z380.1-2015 Edition, Addendum No. 5, Guide for Gas Transmission, Distribution, and Gathering Piping Systems 2015 Edition - Addendum 5 (addenda to ANSI GPTC Z380.1-2015): 8/29/2016

AGMA (American Gear Manufacturers Association)

Reaffirmation

ANSI/AGMA 1006-A97 (R2016), Tooth Proportions for Plastic Gears (reaffirmation of ANSI/AGMA 1006-A97 (R2009)): 8/29/2016

ANSI/AGMA 1106-A97 (R2016), Tooth Proportions for Plastic Gears - Metric Edition (reaffirmation of ANSI/AGMA 1106-A97 (R2009)): 8/29/2016

Revision

ANSI/AGMA 6123-C2016, Design Manual for Enclosed Epicyclic Gear Drive (revision of ANSI/AGMA 6123-B2006 (R2012)): 8/26/2016

AIAA (American Institute of Aeronautics and Astronautics)

Reaffirmation

ANSI/AIAA S-119-2011 (R2016), Flight Dynamics Model Exchange Standard (reaffirmation of ANSI/AIAA S-119-2011): 9/1/2016

ANSI/AIAA S-131-2011 (R2016), Astrodynamics - Propagation Specifications, Technical Definitions, and Recommended Practices (reaffirmation of ANSI/AIAA S-131-2011): 9/1/2016

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S12.15-1992 (2016), Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Power Tools, and Gardening Appliances - Measurement of Sound Emitted (reaffirmation of ANSI/ASA S12.15-1992 (R2007)): 9/1/2016

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASABE S592.1-2016, Best Management Practices for Boom Spraying (revision of ANSI/ASABE S592.1 -2007 (R2012)): 8/31/2016

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

ANSI X9.129-2016, Electronic File Format Standards for Presentment and Remittance of Legal Orders (new standard): 8/31/2016

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME A112.19.19-2016, Vitreous China Nonwater Urinals (revision of ANSI/ASME A112.19.19-2006 (R2011)): 8/31/2016

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0600015.03-2016, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI ATIS 0600015.03-2013): 8/30/2016

AWS (American Welding Society)

New Standard

ANSI/AWS A1.1-2016, Metric Practice Guide for the Welding Insdustry (new standard): 8/30/2016

Revision

ANSI/AWS B1.10M/B1.10-2016, Guide for the Nondestructive Examination of Welds (revision, redesignation and consolidation of ANSI/AWS B1.10-2009 and ANSI/AWS B1.10M-2004 (R2014)): 8/29/2016

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-15C-2016, Contact Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -15B-2015): 8/26/2016

ANSI/EIA 364-91B-2016, Dust Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-91A-2005): 8/25/2016

ANSI/EIA 720-B-2016, Specification for Small Form Factor 63.5 millimeters (2.5 inches) Disk Drives (revision and redesignation of ANSI/EIA 720-A-2007): 8/25/2016

EOS/ESD (ESD Association, Inc.)

Revision

ANSI/ESD S20.20-2014, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2014): 8/29/2016

GTESS (Georgia Tech Energy & Sustainability Services)

Revision

ANSI/MSE 50021-2016, Superior Energy Performance (TM) - Additional Requirements for Energy Management Systems (revision of ANSI/MSE 50021-2013): 8/25/2016

HI (Hydraulic Institute)

Revision

ANSI/HI 14.6-2016, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2011): 8/31/2016

HIBCC (Health Industry Business Communications Council)

Revision

* ANSI/HIBC 2.6-2016, Health Industry Bar Code Supplier Labeling Standard for Patient Safety & Unique Device Identification (revision and redesignation of ANSI/HIBC 2.5-2015): 9/1/2016

HPS (ASC N13) (Health Physics Society)

Reaffirmation

ANSI N13.53-2009 (R2016), Control and Release of Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) (reaffirmation of ANSI N13.53-2009): 8/24/2016

IEEE (Institute of Electrical and Electronics Engineers)

Addenda

ANSI/IEEE 802.16q-2015, Standard for Air Interface for Broadband Wireless Access Systems - Amendment 3: Multi-Tier Networks (addenda to ANSI/IEEE 802.16-2009): 8/24/2016

New Standard

ANSI/IEEE 1788-2015, Standard for Interval Arithmetic (new standard): 8/26/2016

ANSI/IEEE 1823-2015, Standard for Universal Power Adapter for Mobile Devices (new standard): 8/25/2016

ANSI/IEEE 11073-10417-2015, Health informatics - Personal health device communication - Part 10417: Device Specialization - Glucose Meter (new standard): 8/25/2016

ANSI/IEEE 11073-10419-2015, Health informatics - Personal health device communication - Part 10419: Device Specialization - Insulin Pump (new standard): 8/24/2016

ANSI/IEEE 62582-5-2015, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 5: Optical time domain reflectometry (new standard): 8/25/2016

ANSI/IEEE C37.30.2-2015, Guide for Wind-Loading Evaluation of High-Voltage (>1000 V) Air-Break Switches (new standard): 8/26/2016

ANSI/IEEE C57.12.01-2015, Standard for General Requirements for Dry-Type Distribution and Power Transformers (new standard): 8/23/2016

Revision

ANSI/IEEE 1264-2015, Guide for Animal Deterrents for Electric Power Supply Substations (revision of ANSI/IEEE 1264-2004 (R2009)): 8/25/2016

ANSI/IEEE C37.14-2015, Standard for DC (3200 V and below) Power Circuit Breakers Used in Enclosures (revision of ANSI/IEEE C37.14 -2002 (R2008)): 8/25/2016

ANSI/IEEE C37.20.1-2015, Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear (revision of ANSI/IEEE C37.20.1-2002 (R2008)): 8/25/2016

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

Supplement

INCITS 479-2011/AM 1-2016, Information Technology - Fibre Channel - Physical Interface-5 - Amendment 1 (FC-PI-5/AM1) (supplement to INCITS 479-2011): 8/29/2016

NEMA (ASC C12) (National Electrical Manufacturers Association)

Reaffirmation

ANSI C12.18-2006 (R2015), Protocol Specification for ANSI Type 2 Optical Port (reaffirmation of ANSI C12.18-2006): 8/23/2016

ANSI C12.21-2006 (R2015), Protocol Specification for Telephone Modem Communications (reaffirmation of ANSI C12.21-2006): 8/23/2016

NEMA (ASC C78) (National Electrical Manufacturers Association)

New Standard

ANSI C78.51-2016, Electric Lamps: LED (Light Emitting Diode) Lamps - Method of Designation (new standard): 8/23/2016

Reaffirmation

* ANSI C78.21-2011 (R2016), Incandescent lamps: PAR and R Shapes (reaffirmation of ANSI C78.21-2011): 8/23/2016

Revision

ANSI C78.41-2016, Electric lamps: Guidelines for Low Pressure Sodium Lamps (revision of ANSI C78.41-2006 (R2010)): 8/23/2016

* ANSI C78.50-2016, Electric Lamps - Assigned LED Lamp Codes (revision of ANSI C78.50-2014): 8/23/2016

* ANSI C78.901-2016, Electric Lamps - Single-Based Fluorescent Lamps -Dimensional and Electrical Characteristics (revision of ANSI/ANSLG C78.901-2014): 8/23/2016

* ANSI C78.1501-2016, Electric Lamps - Tungsten-Halogen Lamps with G22 Bases and 63.5 mm LCL (revision of ANSI C78.1501-2001 (R2006)): 8/23/2016

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revision

ANSI/ICEA S-87-640-2016, Standard for Optical Fiber Outside Plant Communications Cable (revision of ANSI/ICEA S-87-640-2011): 8/25/2016

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revision

* ANSI C82.5-2016, Reference Ballasts - High-Intensity-Discharge and Low-Pressure Sodium Lamps (revision and redesignation of ANSI/ANSLG C82.5-2010 (R2010)): 8/23/2016

ANSI C82.14-2016, Lamp ballasts: Low-Frequency Square Wave Electronic Ballasts for Metal Halide Lamps (revision of ANSI C82.14 -2006 (R2010)): 8/23/2016

Withdrawal

* ANSI C82.7-1983, Standard for mercury lamp transformers - Constant-current (series) supply type (withdrawal of ANSI C82.7-1983 (R2010)): 8/23/2016

* ANSI C82.8-1988, Standard for lamp transformers - Incandescent filament lamp transformers - Constant-current (series) supply type (withdrawal of ANSI C82.8-1988 (R2010)): 8/23/2016

NSF (NSF International)

Revision

* ANSI/NSF 14-2016 (i80r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015): 8/22/2016

* ANSI/NSF 42-2016 (i75r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015): 8/29/2016
* ANSI/NSF 49-2016 (i45r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49 -2014): 8/29/2016
* ANSI/NSF 50-2016 (i113r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015 and BSR/NSF 50-201x (i113r1)): 8/23/2016
* ANSI/NSF 53-2016 (i87r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2015): 8/29/2016
* ANSI/NSF 58-2016 (i77r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2015): 8/29/2016
* ANSI/NSF 61-2016 (i110r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2013): 8/17/2016
* ANSI/NSF 62-2016 (i31r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2015): 8/29/2016
* ANSI/NSF 305-2016 (i28r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2014): 8/24/2016
* ANSI/NSF 350-2016 (i11r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2014): 8/26/2016
* ANSI/NSF 401-2016 (i7r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401 -2014): 8/29/2016

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 857-2011 (R2016), Standard for Safety for Busways (reaffirmation of ANSI/UL 857-2011): 8/23/2016

Revision

ANSI/UL 147B-2016, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane (revision of ANSI/UL 147B-2008 (R2013)): 8/25/2016

ANSI/UL 1004-5-2016, Standard for Safety for Fire Pump Motors (Proposal dated 1-22-16) (revision of ANSI/UL 1004-5-2011): 8/30/2016

ANSI/UL 1004-5-2016a, Standard for Safety for Fire Pump Motors (Proposal dated 7-15-16) (revision of ANSI/UL 1004-5-2011): 8/30/2016

ANSI/UL 2231-1-2016, Standard for Safety for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits; Part 1: General Requirements (revision of ANSI/UL 2231-1-2012): 8/26/2016

ANSI/UL 2231-2-2016, Standard for Safety for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits; Part 2: Particular Requirements for Protection Devices for Use in Charging Systems (revision of ANSI/UL 2231-2-2012): 8/26/2016

ANSI/UL 2231-2-2016a, Standard for Safety for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits; Part 2: Particular Requirements for Protection Devices for Use in Charging Systems (revision of ANSI/UL 2231-2-2012): 8/26/2016

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

ANSI/VITA 41.6-2009 (R2016), VXS 1X Gigabit Ethernet Control Channel Layer Standard (reaffirmation of ANSI/VITA 41.6-2009): 8/24/2016

ANSI/VITA 51.3-2010 (R2016), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010): 8/24/2016

Revision

ANSI/VITA 42.0-2016, XMC Switched Mezzanine Card Auxiliary Standard (revision of ANSI/VITA 42.0-2014): 8/24/2016

ANSI/VITA 62-2016, Power Supply Standard (revision of ANSI/VITA 62-2012): 8/24/2016

Correction

Missing Final Actions Listing

ANSI/UL 12402-9-2015

ANSI/UL 12402-9-2015 was approved as an American National Standard on December 31, 2015, but was not listed in the Final Actions section of Standards Action. The listing for the standard appears below:

ANSI/UL 12402-9-2015, Standard for Safety for Personal Floating Devices - Part 9: Test Methods (national adoption with modifications of ISO 12402-9): 12/31/2015

Project Initiation Notification System (PINS)

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

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

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

API (American Petroleum Institute)

Office: 1220 L Street NW
Washington, DC 20005

Contact: *William Freeman*

E-mail: freemanw@api.org

BSR/API Specification 14L,3rd Edition-201x, Specification for Lock Mandrels and Landing Nipples (national adoption with modifications of ISO 16070:2005(Modified))

Stakeholders: Petroleum and Natural Gas industries.

Project Need: Provide requirements for running and pulling tool verification and validation requirements. Additionally, to discuss the potential of addressing rental maintenance of locks and running/pulling tools either as a separate RP document or within an annex if deemed within scope.

This International Standard provides the requirements for lock mandrels and landing nipples within the production/injection conduit for the installation of flow control or other equipment used in the petroleum and natural gas industries. It includes the interface connections to the flow control device or other equipment, but does not cover flow control devices, the connections to the well conduit, or alternate technologies.

CAPA (Certified Automotive Parts Association)

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E-mail: debbie@CAPAcertified.org

BSR/CAPA 101-001-201x, Standard Test Method for Striker Retention Testing of Automotive Replacement Sheet Metal Hoods with Strikers (new standard)

Stakeholders: Competitive Crash Repair Parts industry.

Project Need: To provide a test method that may be used to determine the striker retention values of automotive replacement sheet metal hoods.

This test method covers the procedure for retention testing of primary strikers found on sheet metal hoods.

CSA (CSA Group)

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Cleveland, OH 44131

Contact: *Cathy Rake*

Fax: (216) 520-8979

E-mail: cathy.rake@csagroup.org

* BSR Z83.7-201x, Gas-Fired Construction Heaters (same as CSA 2.14) (revision of ANSI Z83.7-2011)

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

Project Need: Revised and new text.

Details test and examination criteria for construction heaters for use with natural and liquefied petroleum gases. A construction heater is primarily intended for temporary use in heating buildings or structures under construction, alteration, or repair. All products of combustion are released into the area being heated.

EOS/ESD (ESD Association, Inc.)

Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440

Contact: *Christina Earl*

Fax: (315) 339-6793

E-mail: cearl@esda.org

BSR/ESDA/JEDEC JS-002-201x, ESDA/JEDEC Joint Standard for Electrostatic Discharge Sensitivity Testing - Charged Device Model (CDM) - Device Level (revision of ANSI/ESDA/JEDEC JS-002-2015)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: The purpose (objective) of this standard is to establish a test method that will replicate CDM failures and provide reliable, repeatable CDM ESD test results from tester to tester, regardless of device type. Repeatable data will allow accurate classifications and comparisons of CDM ESD sensitivity levels.

This standard establishes the procedure for testing, evaluating, and classifying devices and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined field-induced charged device model (CDM) electrostatic discharge (ESD). All packaged semiconductor devices, thin film circuits, surface acoustic wave (SAW) devices, opto-electronic devices, hybrid integrated circuits (HICs), and multi-chip modules (MCMs) containing any of these devices are to be evaluated according to this standard. To perform the tests, the devices must be assembled into a package similar to that expected in the final application.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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BSR ICEA P-45-482-201x, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (revision of ANSI ICEA P -45-482-2013)

Stakeholders: Wire manufacturers, builders and installers.

Project Need: Periodic review of standard.

Equations and parameters have been established for short-circuit calculations for sheaths or shields made of aluminum, bronze, copper, lead, steel, zinc, and cupronickel alloys. The types of sheaths or shields included are:
- Wires, applied either helically, as braid or serving; or longitudinally with corrugations;
- Helically applied flat tape, not overlapped;
- Helically applied, overlapped, flat tape;
- Corrugated tape, longitudinally applied; and
- Tubular sheath.

The types of cable materials in contact with the sheath or shield are: crosslinked (thermoset), thermoplastic, impregnated paper, and varnished cloth. The materials that determine the maximum allowable short-circuit temperatures are: paper, varnished cloth, and several thermoplastic and thermosetting materials presently appearing in ICEA standards. Temperature limits, considered safe, were established for the various coverings and insulation materials.
The equations may be used to determine:
- The maximum short-circuit current permitted for a specific

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BSR/NEMA ESM1-201x, ESM1 Metrological requirements for electrical submeters (new standard)

Stakeholders: Weights and Measures departments, testing laboratories, multi-tenant building owners, regulators, electrical submeter manufacturers,

Project Need: A base for metrological certification of electrical submeters.

The requirements of this standard cover metrological requirements and associated testing for electronic single circuit and multiple circuit secondary electrical energy submeters. The standard applies to stand-alone meters with standard inputs or metering systems comprising meters and associated sensors. These meters are intended for circuits, loads, or electrical energy sources connected downstream from the utility meter. These meters provide details of energy use for energy monitoring or revenue submetering. The standard does not apply to primary-utility-owned meters. The standard includes AC and DC kilowatt-hour meters, demand meters, load survey meters, and power quality meters, etc. The standard applies to indoor and outdoor applications, and covers portable, permanently installed, and embedded meters. The standard covers AC meters rated at not more than 1000V that measure active energy; apparent energy; reactive energy (capacitive, inductive, and/or total) including received, delivered, and/or net; and also those measuring current, voltage, active power, apparent power, reactive power (capacitive, inductive, and/or total), power factor, phase angle, polarity, and frequency when measured in addition to energy. The Standard also applies to DC

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
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AGA (ASC Z380)
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Web: www.aga.org

AGMA
American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
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Phone: (703) 684-0211
Web: www.agma.org

AIAA
American Institute of Aeronautics and Astronautics
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Reston, VA 20191-5807
Phone: (703) 264-7546
Web: www.aiaa.org

API
American Petroleum Institute
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Web: www.api.org

ASA (ASC S12)
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ASABE
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Web: www.asabe.org

ASC X9
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ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
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ASME
American Society of Mechanical Engineers
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New York, NY 10016
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Fax: (212) 591-8501
Web: www.asme.org

ASSE (ASC Z490)
American Society of Safety Engineers
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ATIS
Alliance for Telecommunications Industry Solutions
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AWS
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8669 NW 36th Street
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AWWA
American Water Works Association
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GTESS
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Fax: (404) 894-8194
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HI
Hydraulic Institute
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Web: www.pumps.org

HIBCC
Health Industry Business Communications Council
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Suite 127
Phoenix, AZ 85016
Phone: (602) 381-1091 ext. 101
Web: www.hibcc.org

HPS (ASC N13)
Health Physics Society
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IEEE
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IEEE (ASC N42)
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ITI (INCITS)
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NASBLA
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NEMA (ASC C8)
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National Electrical Manufacturers Association

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NSF
NSF International

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SCTE
Society of Cable Telecommunications Engineers

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TNI
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UL
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VITA
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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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 3656/DAmd1, Animal and vegetable fats and oils - Determination of ultraviolet absorbance expressed as specific UV extinction - Amendment 1 - 9/25/2016, $29.00

ISO/DIS 18593, Microbiology of food and animal feeding stuffs - Horizontal method for sampling techniques from surfaces using contact plates and swab methods - 12/21/2020, $58.00

ISO/DIS 18787, Foodstuffs - Determination of water activity - 9/25/2016, $53.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 11532, Aerospace - Ground equipment - Graphical symbols for use on aircraft ground support equipment - 11/3/2024, $107.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 10079-1/DAmd1, Medical suction equipment - Part 1: Electrically powered suction equipment - Amendment 1: Changes to requirements for operating at extremes of temperature - 10/22/2016, $29.00

BIOGAS (TC 255)

ISO/DIS 20675, Biogas - Biogas production, conditioning, upgrading and utilization - Terms, definitions and classification scheme - 11/19/2016, $71.00

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

ISO/DIS 14644-12, Cleanrooms and associated controlled environments - Part 12: Classification of air cleanliness by nanoscale particle concentration - 11/6/2003, $62.00

CRANES (TC 96)

ISO/DIS 8686-5, Cranes - Design principles for loads and load combinations - Part 5: Overhead travelling and portal bridge cranes - 9/25/2016, $98.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7240-2, Fire detection and alarm systems - Part 2: Fire detection control and indicating equipment - 9/25/2016, $119.00

ISO/DIS 7240-4, Fire detection and alarm systems - Part 4: Power supply equipment - 9/25/2016, $82.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 20654, Graphic technology - Measurement and calculation of spot colour tone value - 9/22/2016, $40.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 22400-2/DAmd1, Automation systems and integration - Key performance indicators (KPIs) for manufacturing operations management - Part 2: Definitions and descriptions - Amendment 1 - 9/25/2016, $62.00

ISO/DIS 18828-3, Industrial automation systems and integration - Standardized procedures for production systems engineering - Part 3: Information flows in production planning processes - 9/21/2016, $125.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 28500, Information and documentation - WARC file format - 9/25/2016, $98.00

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

ISO/DIS 18796-1, Petroleum, petrochemicals and natural gas industries - Internal coating and lining of carbon steel process vessels - Part 1: Technical requirements - 11/22/2016, $93.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 20485, Non-destructive testing - Leak testing - Tracer gas method - 9/22/2016, $77.00

ISO/DIS 20486, Non-destructive testing - Leak testing - Calibration of reference leaks for gases - 9/22/2016, $98.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 14490-5, Optics and optical instruments - Test methods for telescopic systems - Part 5: Test methods for transmittance - 12/31/2035, $67.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 15384, Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing - 11/25/2016, $67.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18844, Photography - Digital cameras - Image flare measurement - 9/25/2016, $58.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 5295, Synchronous belts - Calculation of power rating and drive centre distance - 9/25/2016, $33.00

ROAD VEHICLES (TC 22)

ISO 2575/DAmd6, Road vehicles - Symbols for controls, indicators and tell-tales - Amendment 6 - 11/10/2006, $29.00

ISO 2575/DAmd7, Road vehicles - Symbols for controls, indicators and tell-tales - Amendment 7 - 11/7/2023, $29.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 20380, Public swimming pools - Computer vision systems for the detection of drowning accidents in swimming pools - Safety requirements and test methods - 11/25/2016, $67.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO/DIS 6413, Technical product documentation - Representation of splines and serrations - 11/25/2016, $58.00

TEXTILES (TC 38)

ISO/DIS 3175-1, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 1: Assessment of performance after cleaning and finishing - 9/21/2016, $46.00

ISO/DIS 3175-2, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene - 9/21/2016, $46.00

ISO/DIS 3175-3, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents - 9/21/2016, $46.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 22634-2, Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS - Part 2: Method using cyclohexane as extraction solvent - 9/22/2016, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 13818-1/DAmd8, Extensions for simplified carriage of MPEG -4 over MPEG-2 - 11/13/2021, $40.00

ISO/IEC 14496-22/DAmd2, Information technology - Coding of audio-visual objects - Part 22: Open Font Format - Amendment 2: Updated text layout features and implementations - 9/25/2016, $67.00

ISO/IEC 21000-22/DAmd1, Information technology - Multimedia framework (MPEG-21) - Amendment 1: Reference software for MPEG-21 user description - 9/25/2016, $82.00

ISO/IEC DIS 18477-4, Information technology - Scalable compression and coding of continuous-tone still images - Part 4: Conformance testing - 9/22/2016, $88.00

ISO/IEC DIS 29794-4, Information technology - Biometric sample quality - Part 4: Finger image data - 9/22/2016, $107.00

ISO/IEC DIS 29110-4-1, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 4-1: Software engineering - Profile specifications: Generic profile group - 9/25/2016, $71.00

IEC Standards

3C/2198/CD, IEC 60417-C00472 Ed.1: Two graphical symbols for coin cell and button cell, 10/28/2016

9/2190/CDV, IEC 62928 Ed.1: Railway applications - Rolling stock equipment - Onboard lithium-ion traction batteries, 11/25/2016

22H/210/FDIS, IEC 62040-2 Ed.3: Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements, 10/14/2016

32C/526/FDIS, IEC 60127-5/Ed2: Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links, 10/14/2016

34C/1238/CDV, Amendment 1 to IEC 61347-1 Ed.3: Lamp controlgear - Part 1: General and safety requirements, 11/25/2016

34C/1239/CDV, Amendment 1 to IEC 61347-2-11 Ed.1: Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, 11/25/2016

37B/155/FDIS, IEC 61643-351/Ed1: Components for low-voltage surge protective devices - Part 351: Performance requirements and test methods for telecommunications and signalling network surge isolation transformers (SIT), 10/14/2016

45A/1106/DTR, IEC 63084 TR Ed.1: Nuclear power plants - Instrumentation and control important to safety - Qualification of platforms for systems important to safety, 10/28/2016

45A/1107/CD, IEC 61031 Ed.2: Nuclear facilities - Instrumentation and control systems important to safety - Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use in nuclear facilities during normal and anticipated operational occurrences, 11/25/2016

47/2311/CDV, IEC 60749-5 Ed.2: Semiconductor devices - Mechanical and climatic test methods - Part 5: Steady-state temperature humidity bias life test, 11/25/2016

47E/555/NP, Future IEC 60747-18-2: Semiconductor devices Part 18 -2: Semiconductor bio sensors Evaluation process of lens-free CMOS photonic array sensor package module, 11/25/2016

57/1766/DC, Proposal to develop IEC TR 61850-90-20: Communication networks and systems for power utility automation - Part 90-20: Guideline to redundancy systems, 10/14/2016

57/1767/NP, Communication networks and systems for power utility automation - Part 6XX: Configuration description language for communication in power utility automation systems related to Human Machine Interfaces (proposed IEC 61850-6xx), 11/25/2016

57/1768/NP, Communication networks and systems for power utility automation - Part 7-7: Basic communication structure - Machine-processable format of IEC 61850-related data models for tools (proposed 61850-7-7), 11/25/2016

61/5281/FDIS, IEC 60335-2-30/A1/Ed: Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters, 10/14/2016

61/5282/FDIS, 60335-2-35/A1/Ed5: Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters, 10/14/2016

61/5283/FDIS, IEC 60335-2-105/Ed2: Household and similar electrical appliances - safety - Part 2-105: Particular requirements for multifunctional shower cabinets, 10/14/2016

61/5284/FDIS, IEC 60335-2-109/A2/Ed1: Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances, 10/14/2016

61C/686/FDIS, IEC 60335-2-34/A2/Ed5: Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors, 10/14/2016

62A/1140/FDIS, IEC 82304-1: Health software - Part 1: General requirements for product safety, 10/14/2016

62D/1404/CD, ISO 80601-2-79: Medical Electrical Equipment - Part 2 -79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment, 10/28/2016

62D/1405/CD, ISO 80601-2-80: Medical Electrical Equipment - Part 2 -80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency, 10/28/2016

64/2123/CDV, Amendment 2 to IEC 60364-4-44: Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, 11/25/2016

65B/1058/DTR, IEC/TR 61131-8 Ed3: Programmable controllers - Part 8: Guidelines for the application and implementation of programming languages, 11/25/2016

76/548/CDV, IEC 60825-4: Safety of laser products - Part 4: Laser guards, 11/25/2016

82/1163/NP, Solar trackers - Safety requirements, 11/25/2016

82/1164/CD, IEC 62446-2 Ed.1: Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 2: Grid connected systems - Maintenance of PV systems, 11/25/2016

89/1341/FDIS, IEC 60695-1-10/Ed2 Fire hazard testing -Part 1-10: Guidance for assessing the fire hazard of electrotechnical products - General guidelines, 10/14/2016

89/1342/FDIS, IEC 60695-8-1/Ed3: Fire hazard testing - Part 8-1: Heat release - General guidance, 10/14/2016

89/1343/FDIS, IEC 60695-8-2/Ed1: Fire hazard testing - Part 8-2: Heat release - Summary and relevance of test methods, 10/14/2016

105/620/FDIS, IEC 62282-3-400 Ed.1: Fuel cell technologies - Part 3 -400: Stationary fuel cell power systems - Small stationary fuel cell power system with combined heat and power output, 10/14/2016

106/366A/CDV, IEC 62232: Determination of rf field strength, power density and sar in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure, 10/28/2016

106/377/PAS, Specific Absorption Rate (SAR) measurement procedure for Long Term Evolution (LTE) devices, 10/28/2016

CIS/A/1183/FDIS, Amendment 1 to CISPR 16-1-5: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration sites and reference test sites for 5 MHz to 18 GHz, 10/14/2016

CIS/D/432/FDIS, CISPR 25: Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers, 10/14/2016

CAB/1569/DV, CAB Vademecum, version 1.0, 10/14/2016

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

BIOMIMETICS (TC 266)

ISO 18457:2016, Biomimetics - Biomimetic materials, structures and components, $200.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO 30400:2016, Human resource management - Vocabulary, $123.00

ISO 30405:2016, Human resource management - Guidelines on recruitment, $149.00

ISO 30408:2016, Human resource management - Guidelines on human governance, $123.00

ISO 30409:2016, Human resource management - Workforce planning, $173.00

LIGHT AND LIGHTING (TC 274)

ISO/CIE 11664-5:2016, Colorimetry - Part 5: CIE 1976 L*u*v* colour space and u, v uniform chromaticity scale diagram, $88.00

OTHER

IWA 24:2016, Non-sewered sanitation systems - General safety and performance requirements for design and testing, $265.00

ROAD VEHICLES (TC 22)

ISO 11452-3:2016, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 3: Transverse electromagnetic (TEM) cell, $149.00

SCREW THREADS (TC 1)

ISO 2901:2016, ISO metric trapezoidal screw threads - Basic and design profiles, $51.00

SOLID BIOFUELS (TC 238)

ISO 18847:2016, Solid biofuels - Determination of particle density of pellets and briquettes, $88.00

TIMBER STRUCTURES (TC 165)

ISO 18402:2016, Timber structures - Structural insulated panel roof construction - Test methods, $149.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 3767-1:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 1: Common symbols, $265.00

ISO 3767-3:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 3: Symbols for powered lawn and garden equipment, $123.00

ISO 3767-4:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 4: Symbols for forestry machinery, $173.00

ISO 3767-5:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 5: Symbols for manual portable forestry machines, $51.00

TYRES, RIMS AND VALVES (TC 31)

ISO 18106:2016, Passenger car, commercial vehicle, truck and bus tyres - Methods for measuring snow grip performance - Loaded new tyres, $149.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 17672:2016, Brazing - Filler metals, $149.00

ISO 20168:2016, Resistance welding - Locking tapers for electrode holders and electrode caps, $51.00

ISO 15618-1:2016, Qualification testing of welders for underwater welding - Part 1: Hyperbaric wet welding, $149.00

ISO Technical Specifications

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/TS 17865:2016, Geometrical product specifications (GPS) - Guidelines for the evaluation of coordinate measuring machine (CMM) test uncertainty for CMMs using single and multiple stylus contacting probing systems, $88.00

FLUID POWER SYSTEMS (TC 131)

ISO/TS 11672:2016, Connectors for fluid power and general use - Designation and nomenclature, $123.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21219-16:2016, Intelligent transport systems - Traffic and travel information via transport protocol exports group, generation 2 (TPEG2) - Part 16: Fuel price information and availability (TPEG2-FPI), $240.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-3/Amd2:2016, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 2: MPEG-H 3D Audio File Format Support, $22.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC 61169-54 Ed. 1.0 b:2016, Radio frequency connectors - Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ohms, Series 4.3-10, $230.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 60364-4-44 Amd.1 Ed. 2.0 b cor.1:2016, Corrigendum 1 - Amendment 1 - Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, $0.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

IEC 61076-3-110 Ed. 3.0 b:2016, Connectors for electronic equipment - Product requirements - Part 3-110: Detail specification for free and fixed connectors for data transmission with frequencies up to 3 000 MHz, $97.00

FIBRE OPTICS (TC 86)

IEC 61300-3-25 Ed. 3.0 b:2016, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-25: Examinations and measurements - Concentricity of non-angled ferrules and non-angled ferrules with fibre installed, $48.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC 62679-3-3 Ed. 1.0 en:2016, Electronic paper displays - Part 3-3: Optical measuring methods for displays with integrated lighting units, $278.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 61162-1 Ed. 5.0 en:2016, Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, $411.00

S+ IEC 61162-1 Ed. 5.0 en:2016 (Redline version), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, $530.00

NUCLEAR INSTRUMENTATION (TC 45)

IEC 62855 Ed. 1.0 b:2016, Nuclear power plants - Electrical power systems - Electrical power systems analysis, $339.00

POWER ELECTRONICS (TC 22)

IEC 61800-5-1 Ed. 2.1 b:2016, Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy, $545.00

IEC 61800-5-1 Amd.1 Ed. 2.0 b:2016, Amendment 1 - Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy, $61.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

IEC 62841-3-9 Ed. 1.0 b cor.2:2016, Corrigendum 2 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws, $0.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 61853-2 Ed. 1.0 b:2016, Photovoltaic (PV) module performance testing and energy rating - Part 2: Spectral responsivity, incidence angle and module operating temperature measurements, $121.00

IEC Technical Reports

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC/TR 61156-1-6 Ed. 1.0 en:2016, Multicore and symmetrical pair/quad cables for digital communications - Part 1-6: Nominal DC-resistance values of floor-wiring and work-area cables for digital communications, $55.00

ROTATING MACHINERY (TC 2)

IEC/TR 63021 Ed. 1.0 en:2016, Rotating electrical machinery - Natural graphite brush for slip-ring in wound rotor-type induction motor - Application information, $61.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Information Concerning

American National Standards

Call for Members

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

American Society of Mechanical Engineers (ASME)

ANSI's Executive Standards Council has approved the reaccreditation of the American Society of Mechanical Engineers (ASME), an ANSI Member and Accredited Standards Developer, under its recently revised Procedures for ASME Codes and Standards Development Committees for documenting consensus on ASME-sponsored American National Standards, effective September 2, 2016. For additional information, please contact: Mr. William Berger, Managing Director, Standards, ASME, 2 Park Avenue, 6th Floor, New York, NY 10016-5990; phone: 212.591.8520; e-mail: bergerw@asme.org.

International Association of Plumbing and Mechanical Officials (IAPMO)

The reaccreditation of the International Association of Plumbing and Mechanical Officials (IAPMO), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under IAPMO's recently revised Regulations for Governing Committee Projects for documenting consensus on IAPMO-sponsored American National Standards (Uniform Plumbing Code and Uniform Mechanical Code), effective September 6, 2016. For additional information, please contact: Ms. Gabriella Davis, Executive Vice President, Global Operations, IAPMO Standards Council Secretary, The IAPMO Group – West Building, 4755 E. Philadelphia Street, Ontario, CA 91761; phone: 909.472.4203; e-mail: Gaby.Davis@iapmo.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Request for Accreditation Related to Volatile Organic Compound (VOC) Certification Program

Curtis-Straus, LLC

Comment Deadline: October 10, 2016

Mr. Tadas Stukas - Quality & HSE Manager
Curtis-Straus, LLC
One Distribution Center Circle, Suite #1
Littleton, MA 01460
Phone: 978-486-8880
Fax: 978-486-8828
E-mail: tadas.stukas@us.bureauveritas.com
Web: www.curtis-straus.com

On August 26, 2016, Curtis-Straus, LLC, an ANSI-accredited certification body, submitted a request for ANSI accreditation for the following:

Volatile Organic Compound (VOC) Certification Program

Please send your comments by October 10, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036. Fax: 202-293 9287 or e-mail: njackson@ansi.org.

International Organization for Standardization

ISO Proposal for a New Field of ISO Technical Activity

Exhibitions, Events and Conventions

Comment Deadline: October 7, 2016

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Exhibitions, Events and Conventions, with the following scope statement:

> Standardization of exhibitions (trade shows, trade fairs), events and conventions (conferences, congresses, meetings, forums, seminars), including terminology, classification, statistics, information system, safety control, service and personnel requirements, and sustainability management.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 7, 2016.

Meeting Notices

AHRI Meeting

Revision of ANSI/AHRI Standard 1060 (I-P)-2014, Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment, to incorporate a performance map

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on Thursdays, September 22, October 6, October 20, and November 3. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mikelann Scerbo at mscerbo@ahrinet.org.

Green Building Initiative – GBI 01-201x

The 24th and 25th meetings of the Green Building Initiative – GBI 01-201x Consensus Body will be held via conference call and webinar:

- Wednesday, September 14th from 11:00 AM to 3:00 PM ET
- Wednesday, September 28th from 12:00 Noon to 3:00 PM ET

The purpose for these teleconferences is for the Consensus Body members to address public comments and any administrative items remaining from the first public comment period on the Working Draft of 01-201X document and for questions/comments from the public.

The tentative agenda will be posted on the GBI webpage for the standard at: http://www.thegbi.org/ansi. All meetings are open to the public. Any member of the public or Subcommittee participant who would like to attend the meeting should contact the Secretariat, Maria Woodbury, preferably at least 10 days in advance of the meeting to ensure they are included in relevant communications in preparation for the meeting.

To attend, and for additional information, please contact:

Maria Woodbury
Secretariat for Green Building Initiative
Phone: 207-807-8666 (direct)
E-mail: Maria@thegbi.org

The Society of the Plastics Industry, Inc. (SPI) Meeting Notices

Injection Molding Safety Committee

The Injection Molding Safety Committee, sponsored by the Secretariat (SPI), will hold its next meeting on November 10-11, 2016 at Pilz Automation Safety in Canton, MI. SPI is an ANSI-Accredited Standards developer, and the Injection Molding Safety Committee of their Equipment Council deals with the overall general safety requirements common to injection molding machines.

The purpose of this meeting is to continue revising ANSI/SPI B151.1-201X – Safety Requirements for Injection Molding Machines (as a combined horizontal clamp IMM and vertical clamp IMM standard). Specifically, this meeting is scheduled to complete the comment resolution process, and is open to anyone with an interest in plastic injection molding machine safety, particularly as it relates to integration, maintenance and use of these machines, and who wishes to participate in standards development.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at dfelinski@b11standards.org or 832-446-6999.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 171 – Document management applications and SC 2

Reply Deadline: October 7, 2016

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 171 – *Document management applications* and ISO/TC 171/SC 2 – *Document file formats, EDMS systems and authenticity of information*. ANSI has delegated the responsibility for the administration of the Secretariats for ISO/TC 171 and ISO/TC 171/SC 2 to the Association for Information and Image Management (AIIM). AIIM has advised ANSI of its intent to relinquish its roles as delegated Secretariat for these committees.

ISO/TC 171 operates under the following scope:

> *Standardization of technologies and processes involving capture, indexing, storage, retrieval, distribution and communication, presentation, migration, exchange, preservation, integrity maintenance and disposal in the field of document management applications. Documents may be managed in micrographic or electronic form.*
>
> *This includes:*
>
> - *quality control and integrity maintenance;*
> - *input/output quality of documents (micrographic or electronic)*
> - *implementation, inspection and quality control procedures for storage, use and preservation of documents (micrographic or electronic), including supportive metadata;*
> - *applications involving workflow (process management) in an enterprise and on the Internet;*
> - *maintenance of quality and integrity during information exchange between systems;*
> - *procedures and processes supporting legal admissibility and/or integrity and security;*
> - *management of related audit trail information.*
>
> *Excluded:*
>
> - *records management policies and procedures within the scope of TC 46;*
> - *all work on information, process and production definitions and workflow of industrial automation systems within the scope of TC 184;*
> - *cinematography, dimensions and labeling of raw-stock film, and the methods within the scope of ISO/TC 42 dealing with testing, rating, classifying and specifying the performance characteristics of processes, materials and devices applicable to photography;*
> - *work being done by ISO/IEC JTC1 that is within its scope and in particular work of ISO/IEC JTC 1/SC 23, SC 24, SC 27, SC 28, SC 29, SC 32 and SC 34.*

NOTE

Where potential or actual overlap with other TCs exists JWGs will be actively pursued.

ISO/TC 171/SC 2 operates under the following scope within ISO/TC 171's scope:

- *Logical aspects of storage and preservation (short and long term)*
- *File formats*
- *EDMS functionalities and architecture*
- *Evaluations and qualification of EDMS*
- *Workflow*
- *Authenticity of information*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 171 and/or ISO/TC 171/SC 2. Alternatively, ANSI may be assigned the responsibility for administering ISO Secretariats. 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.

If no U.S. organization steps forward to assume the ISO/TC 171 and/or ISO/TC 171/SC 2 Secretariats, or if there is insufficient support for ANSI to assume direct administration of these activities by Friday, October 7, 2016, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of these committees. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat roles.

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

BSR/ASHRAE/IES Addendum a
to ANSI/ASHRAE/IES Standard 100-2015

Public Review Draft

Proposed Addendum a to Standard 100-2015, Energy Efficiency in Existing Buildings

First Public Review (August 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.

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

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

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

FOREWORD

This proposed addendum makes changes to the Purpose of the Standard to more clearly indicate the overall goal which is to reduce energy use in existing buildings, while recognizing the importance of both energy efficiency and actual performance.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the 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 a to 100-2015

Revise Section 1.1 as shown below.

1. PURPOSE

1.1 This standard provides criteria that will result in reduced energy consumption through improved energy efficiency and performance in existing buildings.

BSR/UL 2743, Standard for Safety for Standard for Portable Power Packs

1. Revisions to initial proposed first edition of UL 2743.

INTRODUCTION

1 Scope

1.1 These requirements cover portable and movable power packs provided with one or more batteries or electrochemical capacitor modules. If provided with a battery, the battery shall be either a lead acid or lithium ion battery. The power packs are provided with one or more inputs as shown in 1.2; and they are provided with one or more outputs as shown in 1.3. For power packs provided with a booster function, the power packs are used for providing a temporary power source to a depleted land vehicle battery, rated ~~12 or~~ 24 V maximum, to provide emergency starting power.

1.3 Power packs covered by this outline shall be provided with one or more of the following outputs, with the exception that one of the outputs in items (a) - (c) are provided as a minimum:

a) Booster cables to provide a temporary power source to a depleted land vehicle battery, rated ~~12 or~~ 24 V maximum, to provide emergency starting power or recharging of the external vehicle battery;

b) One or more receptacles, each rated no more than 125 V ac, 15 A;

c) DC output connectors rated 24 V dc maximum; or

d) Standard USB port outputs.

1.4 Power packs may be considered suitable for outdoor use, suitable for temporary outdoor use, or suitable for indoor use only. Outdoor use packs can be used outdoors with no restrictions. Temporary outdoor use packs may be used outdoors but should be used carefully in wet conditions and always stored indoors. Indoor use only packs must be stored indoors and used indoors and cannot be used outdoors at any time. A power pack with a booster function shall not be considered indoor use only under any conditions.

1.5 ~~1.4~~ With reference to 1.3, power packs may also be provided with additional systems such as an air compressor (tankless type) for inflating tires or other inflatable items, or with a light to act as warning lights to oncoming traffic, as a flashlight, or the like. These functions are also powered by the internal battery.

1.6 ~~1.5~~ These requirements cover the power pack options such as lights, voltmeters, internal air compressor assemblies, associated gauges, inverters, vehicle adapters, and internal batteries, as well as the charging of the internal batteries, when these options are integral to the power pack.

1.7 ~~1.6~~ These requirements do not cover wiring or cabling used in the recharging function of electric vehicle recharging equipment.

5 Glossary

5.5 BOOSTER FUNCTION - When the power packs are used for providing a temporary power source to a depleted land vehicle battery, rated ~~12 or~~ 24 V maximum, to provide emergency starting power.

~~5.6 C_5 RATE - The current, in amperes, that a cell or battery can be discharged at for 5 hours to the voltage cut-off point specified by the cell or battery manufacturer. This is equal to the C_5 capacity divided by 5 hours where C_5 is measured in accordance with Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Secondary Lithium Cells and Batteries for Portable Applications, IEC 61960.~~

5.6 ~~5.7~~ CAPACITOR MODULE - A single or multiple series and/or parallel-connected, electrochemical capacitors with associated circuitry.

5.7 ~~5.8~~ CHARGING SYSTEM - Combination of circuitry intended to charge, balance, and/or maintain the state of charge of the battery.

5.8 ~~5.9~~ CLAMP - Devices located at the ends of the power pack's booster cables, and which contain the jaw ends, connectors, and handle ends, which are used to make the temporary connections to the land vehicles battery.

5.9 ~~5.10~~ CLAMP: CONNECTORS - Portion of the clamp that contacts the battery terminals.

5.10 ~~5.11~~ CLASS 2 POWER SUPPLY - A source having limited voltage and energy capacity. Requirements for voltage and energy capacity limitations are as indicated in this document.

5.11 ~~5.12~~ CLEARANCE - Shortest distance between two conductive parts, or between conductive parts and the conductive dead metal parts of the enclosure, measured through air.

5.12 ~~5.13~~ CONDUCTORS - Wiring used internally and externally on the power pack.

5.13 ~~5.14~~ CREEPAGE DISTANCE - Shortest distance between two conductive parts, or between conductive parts and the conductive dead metal parts of the enclosure, measured along the surface of insulating material.

5.14 ~~5.15~~ ELECTROCHEMICAL CAPACITOR - An electric energy storage device where electrical charge is stored as a result of non-Faradaic processes at one or both of the electrodes. (A subset of electrochemical capacitors referred to as an “asymmetric electrochemical capacitor” have non-Faradaic processes at one electrode and Faradaic processes at the other electrode.) The unique highly-porous electrode increases its surface area for holding charge resulting in much larger capacitance and energy density than other types of capacitors. Electrochemical capacitors differ from common electrolytic capacitors in that they store charge at the liquid-solid interface of the electrodes when a potential is applied rather than in a solid dielectric material covering the surfaces of the electrodes. Some other common names for an electrochemical capacitor are “double layer capacitor”, “ultra-capacitor”, “electrochemical double layer capacitor”, “super-capacitor”, and EDLC.

5.15 ~~5.16~~ ENCLOSURE - That part of the product that:

a) Renders inaccessible all or any parts of the equipment that may otherwise present a risk of electric shock, and

b) Retards propagation of flame initiated by electrical disturbances occurring within.

5.16 ~~5.17~~ EXPOSED - Visible but not necessarily able to be contacted by an accessibility probe.

5.17 ~~5.18~~ FULLY CHARGED BATTERY - A battery charged to the maximum state of charge permitted by the battery charging system intended for use with the appliance and in accordance with the manufacturer's instructions.

5.18 ~~5.19~~ FULLY DISCHARGED BATTERY - A battery that has been discharged at the ~~C_5~~ manufacturer's recommended rate until ~~one of the following conditions occurs~~:

~~a) Discharge terminates due to protective circuitry, or~~

~~b)~~ the battery reaches a total voltage with an average voltage per cell equal to the end discharge voltage for the cell chemistry being used, or as specified by the manufacturer.

5.19 ~~5.20~~ HANDLE END - Portion of the clamp that is held by the user and used to open the jaw ends to allow for the temporary connection to the positive battery terminal and to the land vehicle's grounded chassis.

5.20 ~~5.21~~ HAZARDOUS ENERGY LEVEL - A potential of 2 volts or more and either an available continuous power level of 240 volt-amperes or more, or a reactive energy level of 20 joules or more, between a live part and an adjacent dead metal part or between live parts of different polarity.

5.21 ~~5.22~~ HAZARDOUS VOLTAGE LEVEL - Voltage between parts having an average value exceeding 30 V dc, 21.2 V peak.

5.22 ~~5.23~~ INSULATION - Protective covering of the conductors, cable, and clamps.

5.23 ~~5.24~~ INTERNAL BATTERY - The battery internal to the power pack's enclosure, which is used to provide the temporary power output of the power pack.

5.24 ~~5.25~~ JAW END - Portion of the clamp that opens in order to accommodate the land vehicle's battery terminals.

5.25 ~~5.26~~ LAND VEHICLE - An automobile, light duty truck, or other vehicle having a 12 or 24 volt dc electrical system.

5.26 ~~5.27~~ LEAKAGE CURRENT - Electric current which flows through a person upon contact between accessible parts of a power pack and ground or other accessible parts of the power pack.

5.27 ~~5.28~~ LOW VOLTAGE, LIMITED ENERGY (LVLE) - A circuit involving a potential of not more than 30 volts DC, or 21.2 volts peak, and supplied by a battery, a Class 2 source, or a combination of an isolating transformer and a fixed impedance that, as a unit, limits the available energy as described in 12.4.3.

5.28 ~~5.29~~ MAXIMUM CHARGING CURRENT - Highest current that lithium-ion cell is permitted to pass during charging for a specified range of temperatures in the Standard for Lithium Batteries, UL 1642. This is the maximum current used as the basis of the charging current during the abnormal charging test.

5.29 ~~5.30~~ MIDDLE CONNECTOR - A connector located in the middle of the cables that is disconnected prior to the clamps being connected to the vehicle battery and then used to complete the connection once the clamps are connected to the respective vehicle battery terminals.

5.30 ~~5.31~~ POWER PACK - A portable or movable device that contains an internal battery, that when charged, is intended to provide power to various outputs of the device, including booster functions for providing temporary emergency power to land vehicles, or power to receptacles and other outputs. All ~~power packs are considered to be suitable for outdoor use~~ can be further designated as outdoor use, temporary outdoor use, or indoor use only.

5.31 ~~5.32~~ PROTECTIVE DEVICE - A device that operates in a specific manner to prevent a hazardous situation under abnormal operation conditions.

5.32 ~~5.33~~ REPAIR FACILITY - A building or portion of a building where automotive repairs and maintenance work are conducted on gasoline powered land vehicles, whether only a portion of the land vehicles or all the land vehicles are gasoline powered.

5.33 ~~5.34~~ SPECIFIED OPERATING REGION - Range of permissible operation expressed by lithium-ion cell parameter limits.

5.34 ~~5.35~~ SPECIFIED OPERATING REGION FOR CHARGING - Conditions during charging in which the lithium-ion cell operates within its voltage and current range as specified by the cell manufacturer and evaluated in accordance with the Standard for Lithium Batteries, UL 1642. In general, the permissible range of voltage and current are dependent upon temperature.

5.35 ~~5.36~~ UNINSULATED LIVE PART - A conductive part within the device that is not provided with integral insulation and during intended use has a potential difference with respect to earth ground or any other conductive part.

5.36 ~~5.37~~ UPPER LIMIT CHARGING VOLTAGE - Highest voltage that a lithium-ion cell is permitted to attain during normal charging for a specified range of temperatures in the Standard for Lithium Batteries, UL 1642. This is the maximum voltage that is employed during the abnormal charging test.

CONSTRUCTION

6 General

6.3 Outdoor use power packs shall be evaluated for all environmental considerations addressed by this standard and are intended to be used and stored either outdoors or indoors. Temporary outdoor use power packs shall be evaluated for exposure to rain, shall be marked in accordance with 70.20 and 70.21, and shall be provided with instructions in accordance with 74.5. Indoor use only power packs shall be marked in accordance with 70.22 and shall be provided with instructions in accordance with 74.6. Indoor use only packs need not comply with the environmental considerations in 7.5.

6.4 For power packs not marked in accordance with 70.23, the device shall be subjected to the Vibration Test, Section 51.

7 Frame and Enclosure

7.3 Nonmetallic enclosures

7.3.3 The enclosure material shall have a minimum Relative Thermal Index (RTI) value that exceeds the maximum temperature observed on the material during operation but no less than ~~an RTI of~~ 80ºC for packs intended to be stored in the trunk or passenger compartment of a vehicle. If an RTI value that exceeds the maximum temperature observed on the material during operation, but is lower than 80ºC, is used, the power pack shall be marked in accordance with 70.23 and provided with instructions as shown in 74.7.

~~7.3.4 The enclosure material shall have a minimum High Current Arc Resistance (HAI) performance level category (PLC) of 3. If tests are needed to verify compliance, the enclosure material shall be tested in accordance with the applicable test in the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A.~~

~~*Exception: A polymeric material used in an enclosure that is separated through air by more than 1/32 inch (0.8 mm) from uninsulated live parts and more than 1/2 inch (12.7 mm) from arcing parts need not comply with the requirement in 7.3.4.*~~

7.3.4 ~~7.3.5~~ A conductive coating applied to a nonmetallic surface such as the inside surface of an enclosure, shall be evaluated in accordance with the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C, unless it can be determined that flaking or peeling

of the coating does not result in a reduction of spacings or the bridging of live parts that may result in a risk of fire, electric shock, or injury to persons.

7.3.5 ~~7.3.6~~ An adhesive used to secure parts of an enclosure shall comply with the requirements in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

7.3.6 ~~7.3.7~~ Enclosures of molded or formed nonmetallic materials shall be constructed so that any shrinkage or distortion of the material over time will not allow for the user to contact live parts. Compliance is determined by the Mold Stress Test, Section 56.

7.3.7 ~~7.3.8~~ Enclosures constructed of nonmetallic materials shall be subjected to the Strength of Enclosure Tests, Section 55.

7.5 Environmental considerations

7.5.1 The enclosure of an outdoor use or temporary outdoor use power pack shall be constructed to exclude a beating rain in accordance with 7.5.2.

7.5.2 ~~A~~All outdoor use or temporary outdoor use power packs shall be subjected to the Rain Test, Section 60. ~~When subjected to this test, the enclosure shall prevent rain from entering at a point higher than the lowest electrical component.~~

7.5.4 A nonmetallic enclosure for an outdoor use power pack shall be judged on the basis of the effect of exposure to ultraviolet light and water in accordance with the applicable tests in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C. Temporary outdoor use power packs need not comply with this requirement.

19 Compressors

19.3 Parts subject to pressure

~~19.3.3 If the power pack contains an air compressor assembly operating at higher than 20 psi, the power pack shall be marked in accordance with 70.17.~~

29 Spacings

29.6 ~~For outdoor use equipment~~ Power packs are considered to be used in a, pollution degree 3 ~~is expected~~ environment. Hermetically sealed or encapsulated enclosures, or coated printing wiring boards in compliance with the Printed Wiring Board Coating Performance Test of the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840, are considered pollution degree 1.

PERFORMANCE

47 Normal Temperature Test

47.2 Maximum normal load

47.2.7 Air compressors shall be tested under the following conditions with the internal battery fully charged:

a) Locked-rotor;

b) By operation with output under rated load based on the marked duty cycle provided by the manufacturer. If no marked duty cycle is provided, then the air compressor shall be tested by ~~of~~ filling a 10-gallon air tank, with a duty cycle of 5 minutes on, 1 minute off; and

c) Continuous running unit with end of air-fill hose sealed.

For the condition in item (c), the pressure shall be monitored and utilized for application of Section 59, Hydrostatic Strength Test, applied to the compressor and all hoses subject to pressure.

50 Abnormal Operation Tests

50.9 Overcharging test

50.9.2 The battery is placed on a soft wood surface covered by two layers of tissue paper and the sample is covered by one layer of untreated 100 percent cotton medical gauze and charged at a rate of 10 times the ~~C_5~~ manufacturer's recommended rate for the battery for 1.25 hours or at the maximum output that is available from an external source provided with the pack. There shall be no explosion and no charring or burning of the gauze or tissue paper. Charring is defined as a blackening of the gauze caused by combustion. Discoloration of the gauze caused by smoke is acceptable. Venting of the cells is acceptable.

56 Mold Stress Test

56.2 The sample shall be placed in an air circulating oven at a temperature equal to 10 degrees higher than the maximum temperature observed on the enclosure during the temperature test, but not less than ~~70°C (158°F)~~ 80°C (176°F) or 70°C (158°F) if marked in accordance with 70.23. The sample was conditioned in the oven for 7 hours.

60 Rain Test

60.1 The following test shall be performed on all power packs that are designated outdoor use or temporary outdoor use.

MARKING

70 Cautionary Markings

~~70.16 As required by 19.3.3, the following marking shall appear on the power pack, near where the hose leaves the power pack enclosure, or on a Hang Tag on the compressor hose. The marking shall include the word "CAUTION" and the following or the equivalent: "Risk of Bursting. Do not use at a pressure greater than _____ psi."~~

70.16 ~~70.17~~ Power packs which incorporate an interlock device complying with Section 26, Interlocks, shall be marked where readily visible by any personnel attempting to defeat the interlock. The marking shall include the word "WARNING" and the following or the equivalent: "Risk of Electric Shock. This cover is provided with an interlock. Do not defeat its purpose or attempt to service without removing cover completely." The general location of the interlock shall also be indicated.

70.17 ~~70.18~~ Power packs intended to be used with a detachable power supply cord that is not provided with the equipment shall be marked adjacent to the appliance inlet to inform the user to see the instruction manual for the proper selection of the power supply cord.

70.18 ~~70.19~~ With reference to 6.2, the power pack shall be marked with the word "WARNING" and the following or the equivalent: "Risk of Explosion. This equipment has arcing or sparking parts which should not be exposed to flammable vapors. This equipment should be located at least 18 inches (457 mm) above the floor when used in a repair facility."

70.19 ~~70.20~~ With reference to 6.2, a power pack that is not intended to be used in a repair facility shall be marked with the word "CAUTION" and the following or the equivalent: "This device is not intended for use in a commercial repair facility."

70.20 With reference to 6.3, temporary outdoor use power packs shall be marked with the word "CAUTION" and the following or the equivalent: "This device is intended to be stored indoors when not in use. This device shall not be stored or left outdoors when not in use."

70.21 With reference to 6.3, temporary outdoor use power packs shall be marked with the word "CAUTION" and the following or the equivalent: "This device is intended for temporary use outdoors and reasonable care should be exercised when using this device in wet conditions."

70.22 With reference to 6.3, indoor use only devices shall be marked "DANGER" and the following or the equivalent: "This device is intended to be used indoors only. Do not use outdoors."

70.23 With reference to 6.4 and 7.3.3, products with an enclosure RTI rating less than 80°C shall be marked with the word "WARNING" and the following or the equivalent: "Risk of Electric Shock and Risk of Fire. This device is not to be stored in a vehicle.

INSTRUCTIONS

74 Operating Instructions

74.5 Temporary outdoor use equipment shall be provided with instructions stating the following:

a) The device shall be stored indoors and protected from the elements;

b) The unit shall not be charged outdoors;

c) When in use, steps should be taken to reduce the exposure to rain, sleet, snow, and the like.

74.6 Indoor use only power packs shall be provided with instructions stating that the device may only be used indoors and that no outdoor use in allowed under any conditions.

74.7 With reference to 7.3.3, products that are provided with a nonmetallic enclosure with an RTI rating less than 80°C shall be provided with instructions stating that the pack is not to be stored or kept in a vehicle.

BSR/UL 498A, Standard for Current Taps and Adapters

1. Withdrawal of Proposal: Revision to the Adapter Circuit Limitation

PROPOSAL

If the (2014-09-19) proposal is withdrawn, the current requirements in the standard would remain unchanged as shown below:

7.4.2 For non-permanent adapters, when the male configuration amperage rating is less than the female configuration amperage rating, the device shall be marked “Caution” and with the following or equivalent statement, “To avoid overloading the receptacle and branch circuit, limit use to ____ amperes maximum.” The ampere rating to be used in the marking shall be the ampere rating of the male configuration.

BSR/UL 982, Standard for Motor-Operated Household Food Preparing Machines

1. Blender with Capacitive Touch Screen Control

28.4.14 Unless provided with a reliable cover interlock or a closed-top blender container, a ~~A~~ blender with a capacitive touch screen shall be constructed to reduce the risk of unintentional operation of the blender. The touch screen shall be:

a) Provided with a flashing light, warning marking of 69.25 and instructions as specified in 73.32 when a single touch is needed to initiate operation of the blender;

b) Recessed or guarded (See 28.4.15); or

c) Provided with a two-step operation as specified in 28.4.16.

2. Use of Standby and Push-Push On/Off Symbols

6.18.1.6 If, when energized, an appliance has moving parts that are likely to cause injury to persons, a motor control switch shall be provided on the appliance and shall have a plainly identified OFF position, or ON and OFF positions, in accordance with 6.18.1.7 and 6.18.1.8 as applicable. See also Exception No. 2 of 6.5.2.2 for electronic controls employed in place of a motor control OFF switch.

Exception No. 1: If a momentary contact switch with no means for locking in the on condition is used as the motor control switch, the ON and OFF markings may be omitted.

Exception No. 2: The OFF marking specified in 17.5 may be omitted for a product with a reliable standby condition if the construction complies with all of the following:

a) The same push button switch actuator is used for placing the unit in the OFF, ON and Standby conditions,

b) The OFF and standby condition comply with the single fault reliability as specified in 22.4,

c) The switch is marked with the Standby symbol (IEC 60417-5009) shown in Figure 6.3, and

d) The function of the switch and meaning of the symbol is described in the instruction manual per 68.6.

Exception No. 3: The OFF and ON markings specified in 17.5 and 17.6 respectively may be replaced by the ON/OFF (push-push) symbol (IEC 60417-5010) shown in Figure 6.4 if a single switch push button actuator is used for ON and OFF with separate and stable ON and OFF positions.

Figure 6.3

Symbol for Standby condition

Figure 6.4

Symbol for ON/OFF position

4. Addition of Blender Blade Endurance Test

43A.3 To determine the volume of ice and water to be used, the container shall be loaded with a ratio of 2:1 by volume (e.g. 2 cups (473.2 ml) of ice and 1 cup (236.6 ml) of water). A cup of ice (236.6 ml) by volume should weigh approximately 5.25 oz (150 g). The ice should fill the container to ~~at least~~ approximately 1/3 of the marked capacity of the container. The ice may include both broken pieces and whole pieces, but must contain some pieces with the major dimension greater than or equal to 1 in (25.4 mm) and a minor dimension greater than or equal to 0.5 in (12 mm). The container assembly shall then be subjected to 1 cycle of 5 pulses. At the end of the cycle, the mixture must contain some pieces with the major dimension greater than 0.25 in (6.3 mm). If the ice is not impacted for all 5 pulses, cavitation occurs, or the mixture does not contain pieces with a major dimension greater than 0.25 in (6.3 mm) at the end of the cycle, then the size of the ice, volume of the ice, and/or volume of the water shall be adjusted until the resulting mixture is acceptable.

10. Cautionary Marking Legibility and Visibility

69.1.6.1 With respect to 69.1.6, ~~a molded-in marking either raised above or having a depth below the surface of at least 0.020 inches (0.51 mm) and with the letter heights as specified in 69.1.4 is considered legible~~ unless provided with means to increase the contrast between the marking and background, such as contrasting colors or surface textures, a molded-in marking shall have a raised height above or a depth below the surface of at least 0.010 inches (0.25 mm).

~~*Exception: If other means to increase the contrast between the marking and the background, such as contrasting colors or surface textures, are used, the raised height or depth of the molded-in marking shall be at least 0.010 inches (0.25 mm).*~~

11. Authorized Service Centers

74.1 The Instruction Manual shall include instructions and caution statements for cleaning and user-maintenance (such as lubrication or nonlubrication) operations recommended by the manufacturer If the manufacturer has authorized service ~~facilities (see 72.1 (f), Exception 2)~~ representatives, the manual shall also warn a user that any other servicing should be performed by an authorized service representative. The manual or other literature packaged with the product shall also indicate that the product is for household use.

BSR/UL 8750, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products

1. Add Supplement SE - Requirements for Class P LED Drivers

SE3.1 A driver shall comply with all applicable construction requirements of this standard and the following criteria to facilitate parity amongst LED drivers that meet thermal profile requirements of this supplement:

a) The driver shall not rely upon external overcurrent or over temperature protection for compliance with the requirements of this standard;

b) The driver shall not rely upon external thermal management methods such as forced air cooling, non-integral heat-sinking, or external temperature sensors for compliance with the requirements of this standard;

c) The driver shall be provided with both an integral fire and electrical enclosure in accordance with ~~Mechanical Construction,~~ the applicable requirements described in Section 6;

d) With regard to (c), polymeric materials serving as fire or electrical enclosures shall have a relative thermal index (RTI) with impact of at least 90°C (194°F);

e) Drivers shall be provided with supply and load connection methods suitable for field wiring. The driver shall be provided with supply connections that comply with 7.4.1 and one of the methods described in 7.4.2 (i.e., conduit connection, field-wiring leads, field-wiring terminals, or push-in terminals). The driver shall be provided with load connections that comply with 7.4.1 and 7.4.4. Additionally, integral wiring terminals and lead wires shall be suitable for at least 90°C (194°F); and

f) Paragraph 6.4.2 ~~does not apply~~ is modified as follows. Drivers may have openings when:

1) Circular openings have a diameter not exceeding 3 mm (0.12 in) and minimum spacing between circular openings is 3 mm (0.12 in),

2) Rectangular (or square) openings have dimensions not exceeding 3 mm (0.12 in) across and 30 mm (1.18 in) in length,

3) The pattern of openings for metal enclosures is such that the through air spacings (clearance) between live parts and the dead metal enclosure is not reduced below the values specified in Electrical Spacings, Section 7.8, when the enclosure is subjected to the Mechanical Strength Tests for Metal Enclosures, Section 8.15. The pattern of openings for polymeric enclosures is not specified.

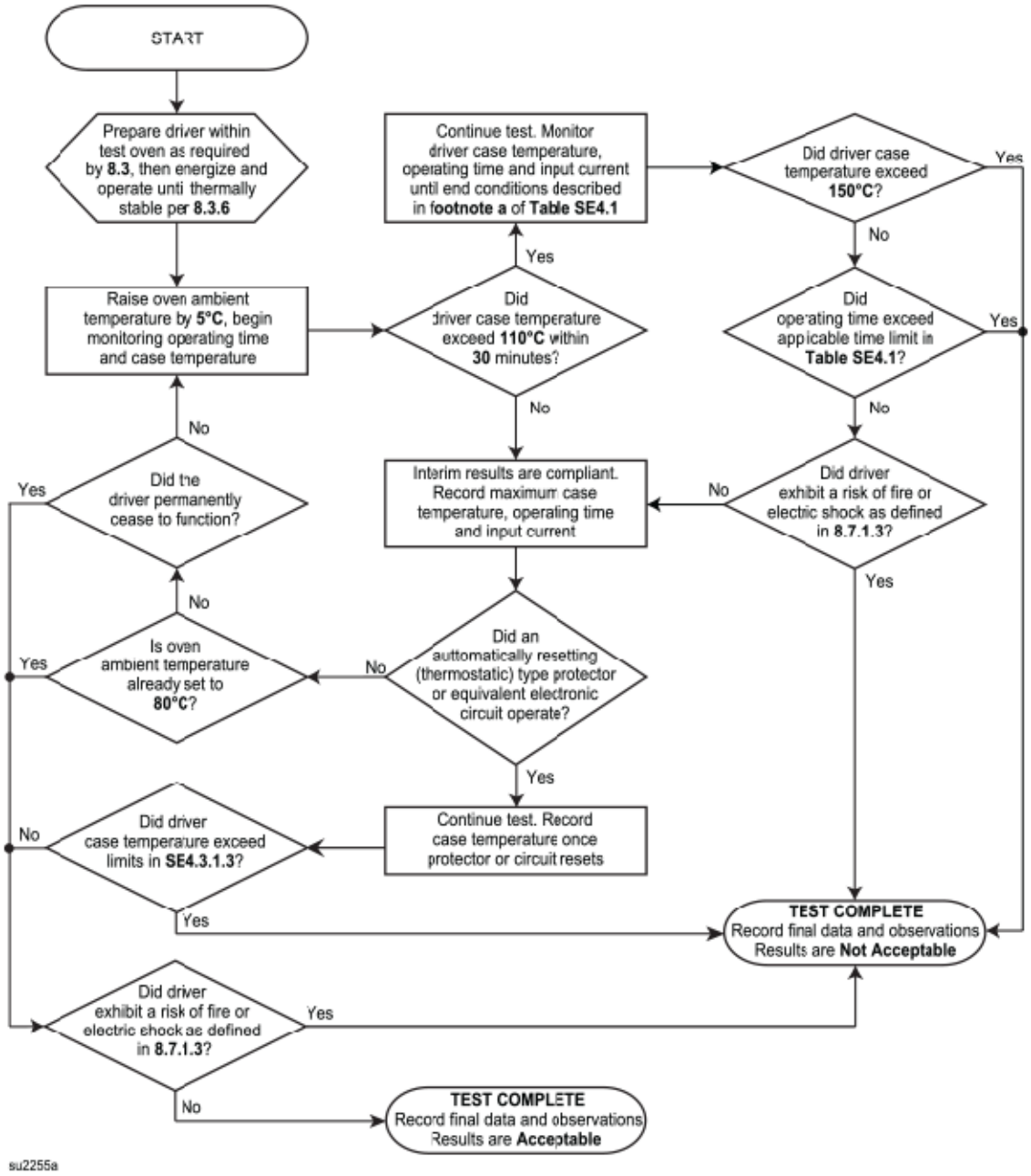
SE3.2 Drivers with field-wiring leads, field-wiring terminals, or push-in terminals shall be rated Dry or Damp based on compliance with related construction and performance requirements of this standard.

Exception: Drivers with power supply cords that are surface marked "W" or "Water Resistant" are permitted to be rated Wet based on compliance with related construction and performance requirements of this standard.

SE4.3.1.4 With regard to SE4.3.1.3, a thermostatic protector is a discrete component or electronic circuit with a binary action (ON/OFF) that disconnects a load in response to a temperature rise and then automatically reconnects the load once the temperature has dropped (~~i.e.~~ e.g., bimetallic thermal protectors). Electronic circuits that reduce driver output current or power to maintain a target thermal operating point are not considered thermostatic for the purposes of these tests.

Figure SE4.1

Flowchart of the increased-ambient temperature test - Class P LED drivers



Note: Exhibiting a risk of fire or electric shock in any step is not acceptable and would terminate the test.

SE4.3.4.3 The oven ambient is raised as rapidly as is convenient by 5°C (9°F) and driver operation is monitored for 30 minutes. This cycle is repeated until one of the following occurs:

a) The case temperature exceeds 110°C (230°F);

b) Driver operation is interrupted by the functioning of an integral automatically resetting (thermostatic) type protector or an equivalent electronic protective circuit;

c) The driver permanently ceases to function (i.e., inspection of the driver indicates that it cannot be restarted without repair); or

d) The driver has operated in an 80°C (176°F) oven ambient for 30 minutes.

SE4.3.4.4 If SE4.3.4.3(a) ~~or (b)~~ occurs, then the 30 minute dwell time for that step is disregarded and the driver case temperature, operating time and input current are monitored and recorded as required to determine compliance with all test criteria in SE4.3.1. If the driver complies with SE4.3.1, the oven ambient is raised to the next temperature step and the test continued per SE4.3.4.3. ~~If the driver permanently ceases to function, see SE4.3.4.5.~~

SE4.3.4.4.1 If SE4.3.4.3(b) occurs, then the 30 minute dwell time for that step is disregarded and the driver case temperature, operating time, and input current are monitored and recorded until the protector or protective circuit recloses. If the driver complies with SE4.3.1, the test is terminated and the results deemed acceptable.

SE5.3 A driver that complies with the criteria in SE3.1(f) shall be marked “Use only within an enclosure.”