ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 48, #7 *February 17, 2017*

Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: March 19, 2017

NSF (NSF International)

Revision

BSR/NSF 373-201x (i1r1), Sustainable Production of Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2014 (i2r1))

This Standard establishes criteria to measure the extent to which natural dimension stone has been produced sustainably. The Standard applies to all processors of natural stone, from quarry operations through final stone fabrication, and is intended to allow for both domestic and international market participation from natural dimension stone producers.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 110-201x, Standard for Sustainability for Mobile Phones (new standard)

This Proposed First Edition of the Standard for Sustainability for Mobile Phones, UL 110, is designed to reduce environmental impacts associated with the design, manufacture, use, and disposal of mobile phones.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (510) 319 -4233, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 674-201X, Standard for Safety for Electric Motors and Generators for Use in Hazardous (Classified) Locations (Proposal dated 02-17-17) (revision of ANSI/UL 674-2011 (R2015))

This proposal provides revisions to the Thermocouple Requirements.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

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

Addition of nickel to Table 5.3.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1123-201X, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2011a)

This recirculation proposal provides revisions to the UL 1123 proposal dated 9-23-16.

Click here to view these changes in full

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 3730-201x, Standard for Photovoltaic Junction Boxes (revision of ANSI/UL 3730-2014)

(1) Expansion of UL 3730 to Include Junction Boxes up to 1500 V dc or Less.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664 -1725, Susan.P.Malohn@ul.com

Comment Deadline: April 3, 2017

ABYC (American Boat and Yacht Council)

New Standard

BSR/ABYC EDU-3-201x, Skills-Based Sail Standard (new standard)

This standard is a guide for on-water skills necessary to safely operate a sailboat.

Single copy price: Free

Order from: Helen Koepper, (410) 990-4460, hkoepper@abycinc.org

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

ABYC (American Boat and Yacht Council)

Revision

BSR/ABYC H-30-201x, Hydraulic Systems (revision of ANSI/ABYC H-30 -2011)

This standard is a guide for the design, construction, installation, operation, and control of hydraulic components used to transmit force.

Single copy price: $50.00

Obtain an electronic copy from: www.abycinc.org

Order from: www.abycinc.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0700004-2007 (S201x), High Capacity - Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004-2007)

The HC-SDMA interface provides wide-area broadband wireless data-connectivity for fixed, portable, and mobile computing devices and appliances. The protocol is designed to be implemented with smart antenna array techniques to substantially improve radio frequency (RF) coverage, capacity and performance for the system.

Single copy price: $500.00

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

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.1-2012 (R201x), Entertainment Technology - Construction and Use of Wire Rope Ladders (reaffirmation of ANSI E1.1-2012)

This standard describes the construction and use of wire rope ladders in the entertainment industry in order to promote worker safety. The entertainment industry includes, but is not limited to, musical productions, live concerts, live theater, film production, video production, corporate events, and trade shows. Wire rope ladders are used where ladders with rigid rails are impractical to use or would pose a greater danger.

Single copy price: Free

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

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

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.32-2012 (R201x), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires (reaffirmation of ANSI E1.32-2012)

This document provides guidance in the inspection of stage and studio luminaires that use incandescent sources and that are used in the entertainment industry. The inspection is to evaluate their safety and any needed maintenance. The information contained in this document is intended to supplement the information contained in manufacturers' maintenance instructions.

Single copy price: Free

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

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

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.8-2012 (R201x), Entertainment Technology - Loudspeaker Enclosures Intended for Overhead Suspension - Classification, Manufacture and Structural Testing (reaffirmation of ANSI E1.8-2012)

ANSI E1.8 is a standard for the structural integrity of loudspeaker enclosures that are suspended overhead. It is designed to ensure that flown speaker enclosures don't break and drop debris. It does not address requirements for sound reproduction.

Single copy price: Free

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

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

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.37-1-2012 (R201x), Additional Message Sets for ANSI E1.20 (RDM) - Part 1, Dimmer Message Sets (reaffirmation of ANSI E1.37-1-2012)

ANSI E1.37-1, Additional Message Sets for ANSI E1.20 (RDM) - Part 1, is part of the E1.37 project, and provides additional get/set parameter messages (PIDs). Most of the messages in this document are intended for use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

Single copy price: Free

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

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

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.16-2002 (R201x), Entertainment Technology - Configuration Standard for Metal-Halide Ballast Power Cables (reaffirmation of ANSI E1.16 -2002 (R2012))

This standard describes a standard practice for grounding contact assignment for detachable power cables on 6kW, 12kW, and 18kW metal-halide lamp ballasts used in the motion picture and television industries on portable studio luminaires that use the MIL-C-5015 connector with #28-6 insert configuration on the ballast end of the power cable.

Single copy price: Free

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

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

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

NAAMM (National Association of Architectural Metal Manufacturers)

New Standard

BSR/NAAMM HMMA 840-201x, Guide Specification for the Receipt, Storage and Installation of Hollow Metal Doors and Frames (new standard)

This standard was developed by the HMMA Division of NAAMM to provide guidance in receiving, storing, and installing hollow metal doors and frames.

Single copy price: $25.00

Obtain an electronic copy from: http://www.naamm.org/ansi-information#ANSI/NAAMM%20Standards Projects

Order from: Vernon W. Lewis, Jr., NAAMM Technical Consultant, 123 College Place, #1101, Norfolk, VA 23510

Send comments (with copy to psa@ansi.org) to: Vernon W. Lewis, Jr. NAAMM Technical Consultant, 123 College Place, #1101, Norfolk, VA 23510

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

BSR/NAAMM FP 1001-201x, Guide Specifications for Design of Metal Flagpoles (revision of ANSI/NAAMM FP 1001-2007)

This standard was prepared by the AMP Division of NAAMM to provide guidance on flag wind loadings and the structural design of flagpoles. The design of flagpole foundations is not addressed.

Single copy price: $25.00

Obtain an electronic copy from: http://psawebforms.ansi.org/BSR/preview.asp?at=p

Order from: Vernon W. Lewis, Jr., NAAMM Technical Consultant, 123 College Place, #1101, Norfolk, VA 23510

Send comments (with copy to psa@ansi.org) to: Vernon W. Lewis, Jr., NAAMM Technical Consultant, 123 College Place, #1101, Norfolk, VA 23510

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revision

BSR C82.4-201X, Standard or Lamp Ballasts - Ballasts for High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (revision of ANSI C82.4-2002 (R2010))

This standard provides specifications for and operating characteristics of ballasts for mercury, metal-halide, high-pressure sodium (HPS), and low-pressure sodium (LPS) lamps. The ballasts operate from multiple-supply sources of 600 volts maximum at a frequency of 60 hertz. They may be designed for operation under either indoor or outdoor conditions. The following types of ballasts are excluded from this standard: (1) Ballasts consisting of resistance only; (2) Transformers for constant current (series) operation of mercury lamps (see American National Standard for Mercury Lamp Transformers - Constant Current (Series) Supply Type, ANSI C82.7 -1983 (R1988)); (3) All ballasts that use semiconductors to control the lamp power.

Single copy price: $70.00

Order from: Michael Erbesfeld, 703-841-3262, Michael.Erbesfeld@nema.org

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

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

BSR Z535.6-2011 (R201x), Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials (reaffirmation of ANSI Z535.6 -2011)

This standard sets forth requirements for the design and location of product safety messages in collateral materials for a wide variety of products.

Single copy price: $115.00

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

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

NSF (NSF International)

Revision

BSR/NSF 37-201x (i6r4), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2012)

Equipment covered by this Standard includes, but is not limited to, air curtains for entranceways in food and food service establishments (e.g., service and customer entries, service windows, cooler and cold storage entries). Housing, air-moving equipment, air-directional regulating devices, and other appurtenances to the air curtain are included.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/36234/37i6r4%20JC%20Memo%20&%20ballot.pdf

Order from: Allan Rose, (734) 827-3817, arose@nsf.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 4957.210-A-201x, Multi-Hop Delivery Specification of a Data Link Sub-Layer (revision and redesignation of ANSI/TIA 4957.210-2013)

Revise to add new operational modes for Smart Grid, smart metering, and related applications.

Single copy price: $116.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60079-17-201X, Standard for Safety for Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance (Proposal dated 02-17-17) (national adoption with modifications of IEC 60079-17)

This proposal provides revisions to the proposal document dated July 25, 2016 for the Adoption of IEC 60079-17, Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance (fifth edition, issued by IEC November 2013) as a new IEC-based UL standard, UL 60079-17, to the applicable requirements per comments received.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2016)

The intent of this proposal is to revise Figure 109.1, titled Test Gauge.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

This recirculation proposal provides revisions to the UL 1180, proposal dated 9-9-16.

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: April 18, 2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME A112.1.2-2012 (R201x), Air Gaps in Plumbing Systems (for Plumbing Fixtures and Water-Connected Receptors) (reaffirmation of ANSI/ASME A112.1.2-2012)

This Standard identifies methods of providing protection against backsiphonage through means of an air gap and establishes physical requirements and methods of testing air gaps for plumbing fixtures and water receptors.

Single copy price: $43.00

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)

Reaffirmation

BSR/ASME A112.3.1-2007 (R201x), Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above and Below Ground (reaffirmation of ANSI/ASME A112.3.1-2007 (R2012))

This Standard establishes material, dimensions, mechanical, and physical (including marking) requirements for socket-type, seam-welded, stainless steel pipe, fittings, joints, and drains for use in plumbing sanitary and storm, drain, waste, and vent (DWV), and vacuum systems.

Single copy price: $46.00

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)

Reaffirmation

BSR/ASME A112.6.1M-1997 (R201x), Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use (reaffirmation of ANSI/ASME A112.6.1M-1997 (R2012))

This Standard applies to floor-affixed supports for off-the-floor plumbing fixtures, including combination carriers and waste fittings for water closets, and carriers for urinals, lavatories, sinks, and water coolers.

Single copy price: $39.00

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)

Reaffirmation

BSR/ASME A112.14.1-2003 (R201x), Backwater Valves (reaffirmation of ANSI/ASME A112.14.1-2003 (R2012))

This Standard establishes requirements for dimensions, performance requirements, connections, materials and finishes, testing, and marking of backwater valves. Types of backwater valves covered in this Standard include horizontal backwater valves, combination horizontal backwater valves and manual gate valves, terminal backwater valves, combination floor drains with backwater valves, vertical or 90 deg backwater valve, and related products.

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)

Reaffirmation

BSR/ASME A112.14.4-2001 (R201x), Grease Removal Devices (reaffirmation of ANSI/ASME A112.14.4-2001 (R2012))

This Standard establishes requirements for grease interceptors that are equipped with automatic grease removal devices (GRD). It includes testing requirements and performance criteria designed to ensure conformance to this Standard.

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)

Reaffirmation

BSR/ASME A112.18.3-2002 (R201x), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2012))

The purpose of this Standard is to establish performance requirements and statistically valid evaluation methods including durability tests for the manufacture of safe, efficient, and reliable backflow protection devices and systems for plumbing fixture fittings.

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)

Reaffirmation

BSR/ASME A112.19.15-2012 (R201x), Bathtubs/Whirlpool Bathtubs with Pressure Sealed Doors (reaffirmation of ANSI/ASME A112.19.15-2012)

This Standard establishes material, mechanical, electrical, marking, and testing requirements for bathtubs/whirlpool bathtubs with doors that are made watertight by the use of a pressure seal.

Single copy price: $95.00

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)

Reaffirmation

BSR/ASME A112.21.3M-1985 (R201x), Hydrants for Utility and Maintenance Use (reaffirmation of ANSI/ASME A112.21.3-1985 (R2007))

The scope of this Standard is the development of standards for hydrants including nonfreeze wall, ground, post, and floor types and moderate climate wall and floor types, which are used in buildings and grounds as water supply terminals, employed principally for lawn and flowerbed watering hoses and normal building maintenance functions.

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)

Reaffirmation

BSR/ASME A112.36.2M-2008 (R201x), Cleanouts (reaffirmation of ANSI/ASME A112.36.2M-2008 (R2012))

This Standard covers cleanouts including floor and wall types used in concealed piping in and adjacent to commercial, industrial, institutional, and other buildings open to public use.

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)

Reaffirmation

BSR/ASME B1.2-1983 (R201x), Gages and Gaging for Unified Inch Screw Threads (reaffirmation of ANSI/ASME B1.2-1983 (R2007))

This Standard provides essential specifications and dimensions for the gages used on Unified inch screw threads UN [unified] and UNR [external threads only] thread form, and covers the specifications and dimensions for the thread gages and measuring equipment. The basic purpose and use of each gage are also described.

Single copy price: $95.00

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: April Amaral, , AmaralA@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B1.9-1973 (R201x), Buttress Inch Screw Threads (7 deg./45 deg. Form with 0.6 Pitch Basic Height of Thread Engagement) (reaffirmation of ANSI/ASME B1.9-1973 (R2007))

This Standard relates to screw threads of buttress form and provides:

a) A form of 7 degrees/45 degrees buttress thread with 0.6p basic height of thread engagement;

b) A table of preferred diameter-pitch combinations;

c) A formula for calculating pitch diameter tolerances;

d) Tolerances for major and minor diameters;

e) A system of allowances between external and internal threads;

f) Recommended methods of measuring and gaging;

g) Dimensional acceptability of buttress product.

Single copy price: $32.00

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: April Amaral, , AmaralA@asme.org

Call for Members (ANS Consensus Bodies)

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

ACMA (American Composites Manufacturers Association)

Office: 3033 Wilson Boulevard, Suite 420
Arlington, VA 22201

Contact: *Larry Cox*

Phone: (740) 928-3286

Fax: (703) 525-0743

E-mail: Lcox1225@gmail.com

BSR/ACMA/FGMC-Manual-201x, Fiberglass Composites Grating Manual for Pultruded and Molded Grating and Stair Treads (revision of ANSI/ACMA/FGMC-Manual-2014)

ASA (ASC S12) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: nstremmel@acousticalsociety.org

BSR ASA S12.9-201x/Part 8, Quantities and Procedures for Description and Measurement of Environmental Sound, Part 8: Prediction of the Propagation of the Acoustic Emissions of Wind Turbines (new standard)

BSR/ASA S12.9-201x/Part 9, Quantities and Procedures for Description and Measurement of Environmental Sound, Part 9: Quantification of the Effects of Acoustic Immissions from Wind Turbines (new standard)

LIA (ASC Z136) (Laser Institute of America)

Office: 13501 Ingenuity Drive
Suite 128
Orlando, FL 32826

Contact: *Barbara Sams*

Phone: (407) 380-1553

Fax: (407) 380-5588

E-mail: bsams@lia.org

BSR Z136.6-201x, Standard for Safe Use of Lasers Outdoors (revision of ANSI Z136.6-2015)

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510

Contact: *Vernon (Wes) Lewis*

Phone: (757) 489-0787

E-mail: wlewis7@cox.net

BSR/NAAMM FP 1001-201x, Guide Specifications for Design of Metal Flagpoles (revision of ANSI/NAAMM FP 1001-2007)

BSR/NAAMM HMMA 840-201x, Guide Specification for the Receipt, Storage and Installation of Hollow Metal Doors and Frames (new standard)

PGMA (Portable Generator Manufacturers Association)

Office: 1300 Sumner Avenue
Cleveland, OH 44115-2851

Contact: *Joseph Harding*

Phone: (216) 241-7333 X3008

Fax: (216) 241-0105

E-mail: jharding@thomasamc.com

BSR/PGMA G300-201x, Safety and Performance of Portable Generators (revision of ANSI/PGMA G300-2015)

The above was originally announced in the September 30, 2016 edition of ANSI Standards Action. PGMA is specifically seeking members in the "user" category, which is defined as: "Those who are predominantly interested in the use of the product, materials, or services. This category usually includes consumers, customers of product producers, distributors, retailers, etc. and may include regulatory agencies, safety associations, certification agencies, and similar organizations."

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 4957.210-A-201x, Multi-Hop Delivery Specification of a Data Link Sub-Layer (revision and redesignation of ANSI/TIA 4957.210 -2013)

Call for Members (ANS Consensus Bodies)

ASTM International Committee F33 on Detention and Correctional Facilities

ASTM International Committee F33 on Detention and Correctional Facilities (https://www.astm.org/COMMITTEE/F33.htm) is welcoming new members (in all interest groups) interested in contributing to the development of standards on:

- Test Method for Physical Assault on Lighting Fixtures for Detention and Correctional Facilities
- Test Methods for Woven Rod Doors and Barriers Used in Detention and Correctional Facilities
- Guide for Selection of Security Control Systems

If you are interested in joining Committee F33, please contact ASTM Staff Manager Joe Hugo at jhugo@astm.org, or visit the Membership area of the ASTM website (https://www.astm.org/MEMBERSHIP/index.html).

Call for Members (ANS Consensus Bodies)

PGMA (Portable Generator Manufacturers Association)

PGMA (Portable Generator Manufacturers Association)

Office: 1300 Sumner Avenue
Cleveland, OH 44115-2851
Contact: Joseph Harding
Phone: (216) 241-7333, X3008
Email: jharding@thomasamc.com

BSR/PGMA G300-201x, Safety and Performance of Portable Generators (revision of ANSI/PGMA G300-2015)

The above was originally announced in the September 30, 2016 edition of *ANSI Standards Action.* PGMA is specifically seeking members in the "user" category, which is defined as: "Those who are predominantly interested in the use of the product, materials, or services. This category usually includes consumers, customers of product producers, distributors, retailers, etc. and may include regulatory agencies, safety associations, certification agencies, and similar organizations."

Call for Members (ANS Consensus Bodies)

Caveon

Online Proctoring Standards

Response Deadline: February 20, 2017

As an ANSI-Accredited Standards Developer, Caveon believes online proctoring standards are needed to help establish minimum requirements for the delivery of online administered assessments. To date, many testing organizations are forging ahead with online proctoring and others are not far behind, weighing their options and risks so that good test security principles can be enforced and exams can delivered fairly to all test takers.

Caveon has created a set of standards for the delivery of online, remotely-administered assessments. If you are interested in reviewing, commenting, and proposing possible changes to these standards, please contact: Jamie.mulkey@caveon.com by February 20, 2017.

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.

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.

ACMA (American Composites Manufacturers Association)

Office: 3033 Wilson Boulevard, Suite 420
Arlington, VA 22201

Contact: *Larry Cox*

Fax: (703) 525-0743

E-mail: Lcox1225@gmail.com

BSR/ACMA/FGMC-Manual-201x, Fiberglass Composites Grating Manual for Pultruded and Molded Grating and Stair Treads (revision of ANSI/ACMA/FGMC-Manual-2014)

Stakeholders: Composite manufacturers, suppliers to the composites industry, engineers, designers, other end users, and interested parties.

Project Need: To maintain a national standard for practical guidelines for pultruded and molded fiberglass composites grating and stair treads.

The Fiberglass Composites Grating Manual for Pultruded and Molded Grating and Stair Treads was approved in 2014, and provides useful information related to the procedures and practices for the fabrication and installation of pultruded and molded grating and stair treads. This edition revises that standard.

ASA (ASC S12) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Neil Stremmel*

Fax: (631) 923-2875

E-mail: nstremmel@acousticalsociety.org

BSR ASA S12.9-201x/Part 8, Quantities and Procedures for Description and Measurement of Environmental Sound, Part 8: Prediction of the Propagation of the Acoustic Emissions of Wind Turbines (new standard)

Stakeholders: Industry, those who install wind farms; local and state government, those who approve and regulate the installation of wind farms; and the public and local government, those who receive the acoustic conditions created by the wind farms.

Project Need: Wind power is growing in the United States and elsewhere throughout the world. During 2015 in the US, the installed power generation capacity of wind farms increased by 13% (8,600 MW) to a total power capacity of 75,000 MW. In some instances, the installation of a new wind farm is contentious. Standards will help ameliorate this issue.

The purpose of this standard is to provide a method for predicting wind farm noise contours at typical landbound wind farms. It is complimented by ANSI/ASA S12.100, which is concerned with measurement of the ambient in quiet areas, and by ANSI/ASA S12.9 Part 7, which is concerned with measurement of low-frequency and infrasonic sound. This standard will complete the picture for measurement and prediction of the sound from wind farms.

BSR/ASA S12.9-201x/Part 9, Quantities and Procedures for Description and Measurement of Environmental Sound, Part 9: Quantification of the Effects of Acoustic Immissions from Wind Turbines (new standard)

Stakeholders: Industry, those who install wind farms, local and state government, those who approve and regulate the installation of wind farms; and the public and local government, those who receive the acoustic conditions created by the wind farms.

Project Need: Wind power is growing in the United States and elsewhere throughout the world. During 2015 in the US, the installed power generation capacity of wind farms increased by 13% (8,600 MW) to a total power capacity of 75,000 MW. In some instances, the installation of a new wind farm is contentious. Standards will help ameliorate this issue.

This standard provides metrics to quantify the immissions of wind farms and provides a general criterion applicable to most landbound wind farms. Annoyance will be the initial effect quantified by this standard. Future editions of the standard will quantify additional effects, such as sleep disruption.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: 275 West Street
Suite 107
Annapolis, MD 21401

Contact: *Ambria Frazier*

E-mail: Ambria.frazier@x9.org

BSR X9.103-201x, Motor Vehicle Retail Sale and Lease Electronic Contracting (revision of ANSI X9.103-2004 (R2010))

Stakeholders: Automotive financing industry, originators of asset-backed securities, software service providers to the financial industry.

Project Need: Electronic contracting provides efficiencies in processing consumer contracts in indirect financing. The exchange of data electronically reduces the manual processing of data. Electronic documents eliminates the need for ground transport or faxing of documents, as well as obviates the need for conversion of paper documents into an imaging system.

This standard addresses the creation, storage, and assignment of Electronic Chattel Paper where assignment involves establishing "control" of the Electronic Chattel Paper. In addition, this standard addresses retail installment sale and lease contracts in the automotive dealer financing industry. However, it may be useful in establishing a similar process for banks, credit unions, and finance companies that make secured loans directly to buyers to enable them to purchase vehicles.

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

Office: 1791 Tullie Circle, NE
Atlanta, GA 30329
Contact: *Stephanie Reiniche*
Fax: (678) 539-2159
E-mail: sreiniche@ashrae.org

BSR/ASHRAE Standard 164.4-201x, Method of Test for Commercial and Industrial Adiabatic Humidifiers (new standard)

Stakeholders: Product manufacturers, design engineers, utilities, owner/operators.

Project Need: This standard method of test establishes a uniform method of laboratory testing for rating commercial and industrial adiabatic humidifiers.

The scope of the standard covers a method of test for the humidification rate and efficiency of commercial and industrial adiabatic humidifiers.

BSR/ASHRAE Standard 223-201x, Designation and Classification of Semantic Tags for Building Data (new standard)

Stakeholders: Consumers, design engineers, integrators, installers, facility owners/operators, producers.

Project Need: The purpose of this standard is to define a dictionary of standardized semantic tags for descriptive tagging of building automation and control data.

The purpose of this standard is to define a dictionary of standardized semantic tags for descriptive tagging of building automation and control data. The standardized tags enable interoperable use of descriptive information on data.

AWS (American Welding Society)

Office: 8669 NW 36th Street
Suite #130
Miami, FL 33166-6672
Contact: *Jennifer Rosario*
Fax: (305) 443-5951
E-mail: jrosario@aws.org

BSR/AWS B2.1/B2.1M:2014-AMD1-201x, Specification for Welding Procedure and Performance Qualification (addenda to ANSI/AWS B2.1/B2.1M:2014-AMD1-2015)

Stakeholders: Manufacturers, welders, CWIs, and engineers.

Project Need: To add new materials to the base metal grouping table in the standard for industry use.

This specification provides the requirements for qualification of welding procedure specifications, welders, and welding operators for manual, semiautomatic, mechanized, and automatic welding. The welding processes included are electrogas welding, electron beam welding, electroslag welding, flux-cored arc welding, gas-metal arc welding, gas-tungsten arc welding, laser-beam welding, oxyfuel gas welding, plasma-arc welding, shielded-metal arc welding, stud arc welding, and submerged arc welding. Base metals, filler metals, qualification variables, welding designs, and testing requirements are also included.

Caveon (Caveon, LLC)

Office: 6905 South 1300 East
#468
Midvale, UT 84047
Contact: *Jamie Mulkey*
E-mail: jamie.mulkey@caveon.com

* BSR/CAVEON OLP-201x, Caveon Online Proctoring Standard (new standard)

Stakeholders: Testing program managers, test users, researchers, psychometricians, test administration vendors.

Project Need: To help establish minimum requirements for the delivery of online administered assessments.

As a ANSI-Accredited Standards Developer, Caveon has created a set of standards for the delivery of online, remotely administered assessments. Online proctoring standards are needed to help establish minimum requirements for the delivery of online administered assessments

CSA (CSA Group)

Office: 8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Contact: *Cathy Rake*
Fax: (216) 520-8979
E-mail: cathy.rake@csagroup.org

BSR/CSA HGV 4.3-2016, Test Methods for Hydrogen Fueling Parameter Evaluation (revision of ANSI/CSA HGV 4.3-2016)

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

Project Need: Revise the Standard for Safety.

This Standard establishes the test method, criteria, and apparatus to evaluate a field installed hydrogen fueling station dispensing system (hereinafter referred to as a “dispenser”) as it relates to achieving the protocols specified in the SAE J2601 Standard, Fueling Protocols for Light Duty Gaseous Hydrogen Surface Vehicles, and the SAE J2799 Standard, Hydrogen Surface Vehicle to Station Communications Hardware and Software with Light Duty Vehicle Hydrogen Storage Systems less than 248.6 liters (10 kg H70). The testing evaluation applies to dispensers designed to fill vehicle storage systems following the prescribed protocols defined in SAE J2601.

BSR/CSA NGV 4.1-201x, Natural Gas Vehicle (NGV) Dispensing Systems, (same as CSA 12.5) (revision and redesignation of ANSI/IAS NGV 4.1/CSA 12.5-1999 (R2014))

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

Project Need: Revise the Standard for Safety.

This Standard applies to: (a) the mechanical and electrical features of newly manufactured systems that dispense natural gas for vehicles (NGV) where such a system is intended primarily to dispense the fuel directly into the fuel storage container of the vehicle; (b) NGV dispensers contained in a single housing; and (c) NGV dispensers contained in multiple housings for metering and registering devices, remote electronics, remote overfill protection, hoses, and nozzles.

* BSR/LNG 3.1-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components (national adoption with modifications of ISO 12614)

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

Project Need: Adopt Standard for Safety.

ISO 12614-2:2014 specifies general requirements and definitions of liquefied natural gas fuel system components, intended for use on the types of motor vehicles as defined in ISO 3833. ISO 12614-2:2014 is also applicable to other LNG-fueled motor vehicles (for example, ships) as far as appropriate, until any specific norm would be worked out for such a type of vehicle. It also provides general design principles, and specifies requirements for instructions and marking.

ESTA (Entertainment Services and Technology Association)

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

Contact: *Karl Ruling*

Fax: (212) 244-1502

E-mail: standards@esta.org

BSR/E1.31-201x, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN (revision of ANSI E1.31 -2016)

Stakeholders: Entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

Project Need: Revision is needed to incorporate IPv6 support and to correct errors.

E1.31 provides a very simple protocol that offers functionality comparable to proprietary DMX512 over Ethernet protocols while being compatible with the E1.17 suite of protocols.

LIA (ASC Z136) (Laser Institute of America)

Office: 13501 Ingenuity Drive
Suite 128
Orlando, FL 32826

Contact: *Barbara Sams*

Fax: (407) 380-5588

E-mail: bsams@lia.org

BSR Z136.6-201x, Standard for Safe Use of Lasers Outdoors (revision of ANSI Z136.6-2015)

Stakeholders: Designers, users and operators of lasers used outdoors, for example: laser light shows, lasers used outdoors for scientific research (scientists, astronomers), military lasers (DoD, DoE), FAA, NASA. This does not include users of fixed, terrestrial point-to-point free-space optical communication systems (FSOCS) as these systems are covered by Z136.2.

Project Need: Changes in ANSI Z136.1 necessitate updates to the Z136.6 to continue to be aligned with requirements of Z136.1. Additionally, with the creation of Z136.10, overlapping scopes and requirements must be addressed. The information provided in this standard is intended to assist users who are entrusted with the responsibility of ensuring the safe use of potentially hazardous lasers or laser systems in an outdoor environment and to ensure that appropriate control measures are implemented.

This standard provides guidance for the safe use of potentially hazardous lasers and laser systems in an outdoor environment. It also provides guidance for controlling disability glare from exposure to non-injurious levels of visible laser light, which might interfere with sensitive or critical tasks, and guidance for the manufacturers of these open-beam laser systems.

TCNA (ASC A108) (Tile Council of North America)

Office: 100 Clemson Research Blvd.
Anderson, SC 29625

Contact: *Katelyn Simpson*

Fax: (864) 646-2821

E-mail: KSimpson@tileusa.com

BSR A108.14-201x, Installation of Paper-Faced Glass Mosaic Tile (revision of ANSI A108.14-2010)

Stakeholders: Ceramic/glass tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers, and consumers (user interest category); and affiliated industries (e.g., stone) and other general-interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

This specification is a guideline for installing paper-faced glass mosaic tile (including glass tile thinner than 3/16 in. and sheets/murals incorporating tiles of varying thickness) using the wet-set method, with Portland cement mortar.

UL (Underwriters Laboratories, Inc.)

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

Contact: *Valara Davis*

Fax: (919) 549-0921

E-mail: Valara.Davis@ul.com

BSR/UL 60947-7-4-201x, Standard for low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (national adoption with modifications of IEC 60947-7-4)

Stakeholders: Manufacturers and users of PCB terminal blocks for copper conductors.

Project Need: To obtain national recognition of a standard covering PCB terminal blocks for copper conductors.

This standard for PCB terminal blocks covers not only the terminal block requirements according to IEC 60947-7 series but also takes into account the specifications of connectors according to IEC 61984 as the requirements for both components are highly similar due to equivalent applications.

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.

ABYC
American Boat and Yacht Council

613 Third Street
Suite 10
Annapolis, MD 21403
Phone: (410) 990-4460
Fax: (410) 990-4466
Web: www.abycinc.org

ACMA
American Composites Manufacturers Association

3033 Wilson Boulevard, Suite 420
Arlington, VA 22201
Phone: (740) 928-3286
Fax: (703) 525-0743
Web: www.icpa-hq.org

ASA (ASC S12)
Acoustical Society of America

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

ASC X9
Accredited Standards Committee X9, Incorporated

275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

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

1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1143
Fax: (678) 539-2159
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

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

ATIS
Alliance for Telecommunications Industry Solutions

1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWS
American Welding Society

8669 NW 36th Street
Suite #130
Miami, FL 33166-6672
Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

Caveon
Caveon, LLC

6905 South 1300 East
#468
Midvale, UT 84047
Phone: (916) 873-2900
Web: www.caveon.com

CSA
CSA Group

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

ESTA
Entertainment Services and Technology Association

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

LIA (ASC Z136)
Laser Institute of America

13501 Ingenuity Drive
Suite 128
Orlando, FL 32826
Phone: (407) 380-1553
Fax: (407) 380-5588
Web: www.laserinstitute.org

NAAMM
National Association of Architectural Metal Manufacturers

123 College Place
#1101
Norfolk, VA 23510
Phone: (757) 489-0787
Web: www.naamm.org

NEMA (ASC C82)
National Electrical Manufacturers Association

1300 N 17th St
Rosslyn, VA 22209
Phone: 703-841-3262
Fax: 703-841-3362
Web: www.nema.org

NEMA (ASC Z535)
National Electrical Manufacturers Association

1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3299
Web: www.nema.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.org

TCNA (ASC A108)
Tile Council of North America

100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453
Fax: (864) 646-2821
Web: www.tileusa.com

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-0921
Fax: (919) 549-0921
Web: www.ul.com

ISO & IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 22000, Food safety management systems - Requirements for any organization in the food chain - 5/4/2017, $112.00

AIR QUALITY (TC 146)

ISO/DIS 16000-34, Indoor air - Part 34: Strategies for the measurement of airborne particles - 4/29/2017, $119.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 16157, Space systems - Human-life activity support systems and equipment integration in space flight - Techno-medical requirements for space vehicle human habitation environments - 3/4/2017, $40.00

ISO/DIS 16726, Space systems - Human-life activity support systems and equipment integration in space flight - Techno-medical requirements for space vehicle human habitation environments - Requirements for the air quality affected by harmful chemical contaminants - 3/4/2017, $53.00

ISO/DIS 17763, Space systems - Human-life activity support systems and equipment integration in space flight - 3/4/2017, $46.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 80601-2-13/DAmd2, Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation - Amendment 2 - 5/3/2017, $29.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 11843-7, Capability of detection - Part 7: Methodology based on stochastic properties of instrumental noise - 3/1/2017, $71.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 17785-2, Testing methods for pervious concrete - Part 2: Density and void content - 5/3/2017, $46.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO 23551-8/DAmd1, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls - Amendment 1: Overheating safety devices - 5/3/2017, $33.00

ISO/DIS 23551-2, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators - 5/3/2017, $134.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 11130, Corrosion of metals and alloys - Alternate immersion test in salt solution - 2/24/2017, $62.00

ISO/DIS 19097-1, Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 1: Application in concrete - 2/22/2017, $62.00

ISO/DIS 19097-2, Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 2: Application in soils and natural waters - 2/22/2017, $53.00

CRYOGENIC VESSELS (TC 220)

ISO/DIS 21012, Cryogenic vessels - Hoses - 3/2/2017, $67.00

DENTISTRY (TC 106)

ISO/DIS 19023, Dentistry - Orthodontic anchor screws - 3/29/2017, $40.00

ISO/DIS 7494-1, Dentistry - Stationary dental units and dental patient chairs - Part 1: General requirements and test methods - 5/3/2017, $77.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 25178-607, Geometrical product specifications (GPS) - Surface texture: Areal - Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments - 4/23/2017, $82.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 19475-1, Document management applications - Minimum requirements for the storage of documents - Part 1: Capture - 3/2/2017, $46.00

ISO/DIS 19475-2, Document management applications - Minimum requirements for the storage of documents - Part 2: Storage - 3/2/2017, $40.00

GAS CYLINDERS (TC 58)

ISO 11118/DAmd1, Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods - Amendment 1 - 2/25/2017, $29.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 13779-2, Implants for surgery - Hydroxyapatite - Part 2: Thermally sprayed coatings of hydroxyapatite - 4/23/2017, $46.00

ISO/DIS 13779-3, Implants for surgery - Hydroxyapatite - Part 3: Chemical analysis and characterization of crystallinity ratio and phase purity - 4/23/2017, $102.00

ISO/DIS 13779-4, Implants for surgery - Hydroxyapatite - Part 4: Determination of coating adhesion strength - 4/23/2017, $40.00

ISO/DIS 17327-1, Non-active surgical implants - Implant coating - Part 1: General requirements - 3/2/2017, $67.00

ISO/DIS 23500-1, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies - Part 1: General requirements - 4/30/2017, $155.00

ISO/DIS 23500-2, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies - Part 2: Water treatment equipment for haemodialysis applications and related therapies - 4/30/2017, $107.00

ISO/DIS 23500-3, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies - Part 3: Water for haemodialysis and related therapies - 4/30/2017, $77.00

ISO/DIS 23500-4, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies - Part 4: Concentrates for haemodialysis and related therapies - 4/30/2017, $88.00

ISO/DIS 23500-5, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies - Part 5: Quality of dialysis fluid for haemodialysis and related therapies - 4/30/2017, $71.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 20140-2, Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 2: Environmental performance evaluation process - 3/4/2017, $58.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 2710-1, Reciprocating internal combustion engines - Vocabulary - Part 1: Terms for engine design and operation - 2/23/2017, $88.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 20696, Sterile urethal catheters for single use - 3/2/2017, $98.00

ISO/DIS 20697, Sterile drainage catheters and accessory devices for single use - 3/2/2017, $107.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 18229, Essential technical requirements for mechanical components and metallic structures foreseen for Generation IV Nuclear Reactors - 2/22/2017, $93.00

ISO/DIS 4037-1, Radiological protection - X and gamma reference radiation for calibrating dosemeters and doserate meters and for determining their response as a function of photon energy - Part 1: Radiation characteristics and production methods - 4/23/2017, $125.00

ISO/DIS 4037-2, Radiological protection - X and gamma reference radiation for calibrating dosemeters and doserate meters and for determining their response as a function of photon energy - Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV - 4/23/2017, $93.00

ISO/ASTM DIS 51538, Practice for use of the ethanol-chlorobenzene dosimetry system - 2/23/2017, $58.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 11990, Lasers and laser-related equipment - Determination of laser resistance of tracheal tube shaft and tracheal cuffs - 4/29/2017, $67.00

ISO/DIS 17915, Optics and photonics - Measurement method of semiconductor lasers for sensing - 5/5/2017, $98.00

ISO/DIS 11979-7, Ophthalmic implants - Intraocular lenses - Part 7: Clinical investigations of intraocular lenses for the correction of aphakia - 2/25/2017, $112.00

ISO/DIS 10110-14, Optics and photonics - Preparation of drawings for optical elements and systems - Part 14: Wavefront deformation tolerance - 3/4/2017, $58.00

PACKAGING (TC 122)

ISO/DIS 14375, Child-resistant non-reclosable packaging for pharmaceutical products - Requirements and testing - 4/30/2017, $62.00

ISO/DIS 28862, Packaging - Child-resistant packaging - Requirements and testing procedures for non-reclosable packages for non-pharmaceutical products - 4/30/2017, $62.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 6504-1, Paints and varnishes - Determination of hiding power - Part 1: Kubelka-Munk method for white and light-coloured paints - 5/5/2017, $107.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 22610, Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment - Test method to determine the resistance to wet bacterial penetration - 4/5/2017, $93.00

PLASTICS (TC 61)

ISO/DIS 2555, Plastics - Resins in the liquid state or as emulsions or dispersions - Determination of apparent viscosity using a single cylinder type rotational viscometer method - 4/27/2017, $71.00

ISO/DIS 6237, Adhesives - Wood-to-wood adhesive bonds - Determination of shear strength by tensile loading - 2/26/2017, $53.00

ISO/DIS 10927, Plastics - Determination of the molecular mass and molecular mass distribution of polymer species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) - 2/24/2017, $62.00

ISO/DIS 14852, Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by analysis of evolved carbon dioxide - 2/24/2017, $82.00

ISO/DIS 15033, Plastics - Determination of caprolactam and its cyclic and linear oligomers by HPLC - 4/30/2017, $67.00

ISO/DIS 20368, Plastics - Epoxy resins - Determination of degree of crosslinking of crosslinked epoxy resins by Fourier transfer infrared (FTIR) spectroscopy - 4/23/2017, $53.00

ISO/DIS 11357-3, Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization - 4/29/2017, $40.00

ISO/DIS 11357-6, Plastics - Differential scanning calorimetry (DSC) - Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT) - 4/29/2017, $58.00

ISO/DIS 14855-2, Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method by analysis of evolved carbon dioxide - Part 2: Gravimetric measurement of carbon dioxide evolved in a laboratory-scale test - 4/30/2017, $67.00

ISO/DIS 21309-1, Plastics - Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials - Part 1: Designation system and basis for specifications - 2/23/2017, $46.00

ISO/DIS 21970-1, Plastics - Polyketone (PK) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 3/3/2017, $40.00

ISO/DIS 21970-2, Plastics - Polyketone (PK) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 3/3/2017, $46.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 6964, Polyolefin pipes and fittings - Determination of carbon black content by calcination and pyrolysis - Test method - 2/23/2017, $53.00

ISO/DIS 11296-4, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - 4/23/2017, $107.00

ISO/DIS 11297-4, Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 4: Lining with cured-in-place pipes - 4/26/2017, $62.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 20238, Conveyor belts - Drum friction testing - 4/27/2017, $58.00

ROAD VEHICLES (TC 22)

ISO/DIS 6469-2, Electrically propelled road vehicles - Safety specifications element - Part 2: Vehicle operational safety - 2/22/2017, $40.00

ISO/DIS 7638-1, Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Part 1: Connectors for braking systems and running gear of vehicles with 24 V nominal supply voltage - 2/22/2017, $53.00

ISO/DIS 7638-2, Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Part 2: Connectors for braking systems and running gear of vehicles with 12 V nominal supply voltage - 2/22/2017, $53.00

ISO/DIS 12405-4, Electrically propelled road vehicles -Test specification for lithium-ion traction battery packs and systems - Part 4: Performance testing - 2/22/2017, $155.00

ISO/DIS 16845-2, Road vehicles - Controller area network (CAN) conformance test plan - Part 2: High-speed medium access unit - Conformance test plan - 2/22/2017, $165.00

ISO/DIS 21308-6, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 6: Coding of hook loader bodywork - 3/3/2017, $93.00

ISO/DIS 21308-7, Road vehicles - Product data exchange between chassis and body work manufacturers (BEP) - Part 7: Coding of skip loader bodywork - 3/3/2017, $93.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 4666-4, Rubber, vulcanized - Determination of temperature rise and resistance to fatigue in flexometer testing - Part 4: Constant-stress flexometer - 4/28/2017, $82.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 20053, Ships and marine technology - Marine environment protection - Guidance on design and selection of sorbents - 2/24/2017, $40.00

ISO/DIS 20313, Ships and marine technology - Cathodic protection of ships - 4/27/2017, $125.00

TEXTILES (TC 38)

ISO/DIS 15797, Textiles - Industrial washing and finishing procedures for testing of work wear - 3/3/2017, $62.00

ISO/DIS 20418-1, Textiles - Qualitative and quantitative proteomic analysis of some animal hair fibres - Part 1: Peptide detection using LC-ESI-MS with protein reduction - 5/5/2017, $53.00

THERMAL INSULATION (TC 163)

ISO/DIS 9869-2, Thermal insulation - Building elements - In-situ measurement of thermal resistance and thermal transmittance - Part 2: Infrared method for frame structure dwelling - 4/29/2017, $98.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 17175, Bidis - Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine - 3/2/2017, $67.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 5687, Equipment for harvesting - Combine harvesters - Determination and designation of grain tank capacity and unloading device performance - 4/30/2017, $33.00

ISO/DIS 19932-1, Equipment for crop protection - Knapsack sprayers - Part 1: Safety and environmental requirements - 4/22/2017, $67.00

ISO/DIS 19932-2, Equipment for crop protection - Knapsack sprayers - Part 2: Test methods - 4/22/2017, $82.00

ISO/DIS 19932-3, Equipment for crop protection - Knapsack sprayers - Part 3: Inspection of knapsack sprayers in use - 4/22/2017, $46.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 21371, Traditional Chinese medicine - Labelling requirements of products intended for oral or topical use in and as traditional Chinese medicine (TCM) - 4/30/2017, $40.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 18750, Intelligent transport systems - Co-operative ITS - Local dynamic map - 4/27/2017, $155.00

ISO/DIS 13185-3, Intelligent transport systems - Vehicle interface for provisioning and support of ITS Services - Part 3: Unified vehicle interface protocol (UVIP) server and client API specification - 4/26/2017, $112.00

ISO/DIS 17572-2, Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 2: Pre-coded location references (pre-coded profile) - 4/28/2017, $134.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 4250-2, Earth-mover tyres and rims - Part 2: Loads and inflation pressures - 3/3/2017, $93.00

WATER QUALITY (TC 147)

ISO/DIS 10704, Water quality - Gross alpha and gross beta activity - Test method using thin source deposit - 5/3/2017, $71.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 5173, Destructive tests on welds in metallic materials - Bend tests - 5/4/2017, $77.00

ISO/DIS 10042, Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections - 4/30/2017, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-2/DAmd1, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 1: Range extensions - 11/12/2015, $53.00

ISO/IEC DIS 18039, Information technology - Computer graphics, image processing and environmental data representation and coding of audio, picture, multimedia and hypermedia information - Mixed and augmented reality (MAR) reference model - 4/28/2017, $134.00

ISO/IEC DIS 19941, Information technology - Cloud computing - Interoperability and portability - 2/26/2017, $134.00

ISO/IEC DIS 20248, Information technology - Automatic identification and data capture techniques - Data structures - Digital signature meta structure - 5/4/2017, $155.00

ISO/IEC DIS 22076, Information technology - The open trusted technology provider standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products assessment procedures v1.1.1 - 2/26/2017, $102.00

ISO/IEC DIS 22425, Information Technology - Telecommunications and information exchange between systems - NFC-SEC Test Methods - 5/4/2017, $102.00

ISO/IEC DIS 29110-3-2, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-2: Conformity certification scheme - 5/3/2017, $82.00

ISO/IEC DIS 11801-9902, Information technology - Generic cabling for customer premises - Part 9902: Specifications for End-to-end link configurations - 4/29/2017, $82.00

IEC Standards

2/1859/CD, IEC 60034-14 ED4: Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity, 2017/4/28

9/2254/CD, IEC 61991 ED2: Railway applications - Rolling stock - Protective provisions against electrical hazards, 2017/4/28

17C/657/CD, IEC 62271-213 ED1: High-voltage switchgear and controlgear - Part 213: Voltage detecting and indicating system, 2017/4/28

20/1708/FDIS, IEC 62895 ED1: High Voltage Direct Current (HVDC) power transmission cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications - Test methods and requirements, 2017/3/17

20/1707/FDIS, IEC 60287-2-3 ED1: Electric cables - Calculation of the current rating - Part 2-3: cables installed in ventilated tunnels, 2017/3/17

22F/447/DTR, IEC TR 60919-1/AMD2 ED3: Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 1: Steady-state conditions, 2017/3/31

45A/1138/CD, IEC 61225 ED3: Nuclear power plants - Instrumentation, control and electrical power systems - Requirements for static uninterruptible DC and AC power supply systems, 2017/4/28

45A/1135/FDIS, IEC 61504 ED2: Nuclear facilities - Instrumentation and control systems important to safety - Centralized systems for continuous monitoring of radiation and/or levels of radioactivity, 2017/3/17

47/2368/CD, IEC 62951-4 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 4: Fatigue evaluation for films and substrates for flexible semiconductor devices, 2017/3/31

47/2367/FDIS, IEC 60749-5 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 5: Steady-state temperature humidity bias life test, 2017/3/17

47/2369/FDIS, IEC 62951-1 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 1: Bending test method for conductive thin films on flexible substrates, 2017/3/17

48B/2552/CD, IEC 61076-3-124/Ed1: Connectors for electronic equipment - product requirements - Part 3-124: Rectangular connectors - Detail specification for 10way, shielded, free and fixed rectangular connectors for I/O and data transmission capability with frequencies up to 500 MHz, 2017/3/31

48B/2553/CD, IEC 61076-2-114 ED1: Connectors for electronic equipment - Product requirements - Part 2-114: Circular connectors - Detail specification for data and power connectors with M8 screw-locking, 2017/3/31

56/1727/CD, IEC/ISO 31010 ED2: Risk management - Risk assessment techniques, 2017/4/28

57/1838/FDIS, IEC 62351-9 ED1: Power systems management and associated information exchange - Data and communications security - Part 9: Cyber security key management for power system equipment, 2017/3/17

62C/683/CD, IEC TR 62926 ED1: Medical electrical system - Recommendations for safe integration and operation of adaptive external-beam radiotherapy system for intra-fractionally moving target volumes, 2017/4/28

62D/1451/NP, PNW 62D-1451: Traditional Chinese Medicine - Laser Acupoint radiation device, 2017/4/28

62D/1452/NP, PNW 62D-1452: Traditional Chinese Medicine - Electrical cupping device, 2017/4/28

62D/1450/NP, PNW 62D-1450: Traditional Chinese Medicine - Facial image acquisition device, 2017/4/28

69/485/CD, IEC TS 61980-3 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 3 Specific requirements for the magnetic field wireless power transfer systems, 2017/3/31

85/575/CDV, IEC 61557-12 ED2: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD), 2017/4/28

86B/4066/DC, Proposed new text for IEC 61755-3-12/Ed1: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-12: Connector parameters for connections of non-dispersion shifted single mode physically contacting fibres - angled cylindrical full zirconia ferrules, centred fibre core eccentricity, 2017/3/17

86B/4053/CDV, IEC 61300-2-46 ED2: Fibre optic interconnecting devices and passive components - Basic test and procedures - Part 2-46: Tests - Damp heat, cyclic, 2017/4/28

89/1359/CD, IEC TS 60695-2-15 ED1: Fire hazard testing - Part 2-15: Guidance for assessing the fire hazard of electrotechnical products - Classification based on the results of the Glow-wire flammability test method for end products (GWEPT), 2017/3/31

90/381/NP, PNW 90-381: Superconductivity - Part 26: Critical current measurement - DC critical current of RE-Ba-Cu-O composite superconductors, 2017/4/28

100/2868/CD, IEC 60268-3 ED5: Sound system equipment - Part 3: Amplifiers, 2017/4/28

110/840/CD, IEC 62595-2-3 ED1: Display lighting unit - Part 2-3: Electro-optical measuring methods of LED frontlight unit, 2017/3/31

CIS/I/543/DC, Compliance for wired network ports of telecommunication equipment, 2017/3/17

9/2243/CDV, IEC 62973-1 ED1: Railway applications - Batteries for auxiliary power supply systems - Part 1: General requirements, 017/5/5/

11/253/CD, IEC 61897 ED2: Overhead lines - Requirements and tests for Aeolian vibration dampers, 017/5/5/

11/254/CD, IEC 61854 ED2: Overhead lines - Requirements and tests for spacers, 017/5/5/

20/1708A/FDIS, IEC 62895 ED1: High Voltage Direct Current (HVDC) power transmission cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications - Test methods and requirements, 2017/3/24

20/1709/CD, IEC 60811-501/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, 017/4/7/

23B/1242/FDIS, IEC 60884-2-5 ED2: Plugs and socket-outlets for household and similar purposes - Part 2-5: Particular requirements for adaptors, 2017/3/24

34B/1894/FDIS, IEC 60061-1/AMD56 ED3: Amendment 56 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps, 2017/3/24

34B/1895/FDIS, IEC 60061-2/AMD52 ED3: Amendment 52 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Holders, 2017/3/24

34B/1896/FDIS, IEC 60061-3/AMD53 ED3: Amendment 53 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges, 2017/3/24

34B/1897/FDIS, IEC 60061-4/AMD15 ED1: Amendment 15 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information, 2017/3/24

48B/2554/FDIS, IEC 61076-3-122 ED1: Connectors for electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and Gigabit Ethernet applications in harsh environments, 2017/3/24

48B/2556/CD, IEC 60512-1 ED5: Connectors for electronic equipment - Tests and measurements - Part 1: General, 017/4/7/

48B/2559/CD, IEC 60512-23-3 ED2: Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 23-3: Test 23c: Shielding effectiveness of connectors and accessories, 017/5/5/

55/1602/FDIS, IEC 60317-70 ED1: Specifications for particular types of winding wires - Part 70: Polyester glass-fibre wound fused, unvarnished or resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155, 2017/3/24

55/1603/FDIS, IEC 60317-71 ED1: Specifications for particular types of winding wires - Part 71: Polyester glass-fibre wound fused and resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180, 2017/3/24

55/1604/FDIS, IEC 60317-72 ED1: Specifications for particular types of winding wires - Part 72: Polyester glass-fibre wound fused, silicone resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200, 2017/3/24

55/1601/FDIS, IEC 60317-0-10 ED1: Specifications for particular types of winding wires - Part 0-10: General requirements - Polyester glass-fibre wound fused, unvarnished, or resin or varnish impregnated, bare or enamelled round copper wire, 2017/3/24

56/1728/CD, IEC 62960 ED1: Dependability reviews during the life cycle, 017/4/7/

61/5364/FDIS, IEC 60335-2-50/AMD2 ED4: Amendment 2 - Household and similar electrical appliances - Safety - Part 2-50: Particular requirements for commercial electric bains-marie, 2017/3/24

61/5366/FDIS, IEC 60335-2-99/AMD1 ED1: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods, 2017/3/24

61/5363/FDIS, IEC 60335-2-49/AMD2 ED4: Amendment 2 - Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm, 2017/3/24

61/5365/FDIS, IEC 60335-2-64/AMD2 ED3: Amendment 2 - Household and similar electrical appliances - Safety - Part 2-64: Particular requirements for commercial electric kitchen machines, 2017/3/24

62B/1040/FDIS, IEC 60601-2-28 ED3: Medical electrical equipment - Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis, 2017/3/24

62B/1041/NP, PNW 62B-1041: Evaluation and Routine Testing in Medical Imaging Departments - Part 3-6 Acceptance and Constancy tests - Imaging performance of Mammographic Tomosynthesis mode of operation of Mammographic X-Ray Equipment, 017/5/5/

62C/683A/CD, IEC TR 62926 ED1: Medical electrical system - Recommendations for safe integration and operation of adaptive external-beam radiotherapy system for intra-fractionally moving target volumes, 2017/3/31

69/495/CD, IEC 61851-23-1 ED1: Electric vehicle conductive charging system - Part 23-1: DC Charging with an automatic connection system, 017/5/5/

79/570/CDV, IEC 62676-5 ED1: Video surveillance systems for use in security applications - Part 5: Data specifications and image quality performance for camera devices, 017/5/5/

82/1252/DC, Proposed revision of IEC 62446-1:2016 Ed.1, Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection, 017/4/7/

82/1253/NP, PNW TS 82-1253: Photovoltaic systems - Power conditioners - Part X: Energy evaluation method, 017/5/5/

82/1232/CDV, IEC 62892-1 ED1: Testing of PV modules to differentiate performance in multiple climates and applications - Part 1: Requirements for testing, 017/5/5/

87/650/FDIS, IEC 61391-1/AMD1 ED1: Amendment 1 - Ultrasonics - Pulse-echo scanners - Part 1: Techniques for calibrating spatial measurement systems and measurement of point-spread function response, 2017/3/24

91/1419/CDV, IEC 61760-4/AMD1 ED1: Surface mounting technology - Part 4: Classification, packaging, labelling and handling of moisture sensitive devices, 017/5/5/

107/298/DTR, IEC TR 62396-6 ED1: Process management for avionics - Atmospheric radiation effects - Part 6: Extreme space weather and potential impact on the avionics environment and electronics, 017/4/7/

116/316/FDIS, IEC 62841-2-21 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-21: Particular requirements for hand-held drain cleaners, 2017/3/24

CIS/I/547/DC, RMS Average Detector, 2017/3/24

CIS/I/545/DC, Colour Bar Image - Informative Annex, 2017/3/24

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

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 22514-2:2017, Statistical methods in process management - Capability and performance - Part 2: Process capability and performance of time-dependent process models, $138.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 19594:2017, Graphic technology - Test method for the determination of the binding strength for perfect-bound products - Page-pull test working upwards, $103.00

OTHER

ISO 23910:2017, Leather - Physical and mechanical tests - Measurement of stitch tear resistance, $45.00

ISO 17075-2:2017, Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method, $103.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 18139:2017, Ships and marine technology - Globe valves for use in low temperature applications - Design and testing requirements, $103.00

ISO 20519:2017, Ships and marine technology - Specification for bunkering of liquefied natural gas fuelled vessels, $185.00

ISO 13643-1:2017, Ships and marine technology - Manoeuvring of ships - Part 1: General concepts, quantities and test conditions, $185.00

ISO 13643-2:2017, Ships and marine technology - Manoeuvring of ships - Part 2: Turning and yaw checking, $138.00

ISO 13643-3:2017, Ships and marine technology - Manoeuvring of ships - Part 3: Yaw stability and steering, $138.00

ISO 13643-4:2017, Ships and marine technology - Manoeuvring of ships - Part 4: Stopping, acceleration, traversing, $68.00

ISO 13643-5:2017, Ships and marine technology - Manoeuvring of ships - Part 5: Submarine specials, $138.00

ISO 13643-6:2017, Ships and marine technology - Manoeuvring of ships - Part 6: Model test specials, $185.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO 22412:2017, Particle size analysis - Dynamic light scattering (DLS), $162.00

SMALL TOOLS (TC 29)

ISO 2250:2017, Finishing reamers for Morse and metric tapers, with cylindrical shanks and Morse taper shanks, $45.00

ISO Technical Reports

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/TR 20590:2017, Space systems - Debris mitigation design and operation manual for launch vehicle orbital stages, $162.00

ISO Technical Specifications

SMALL TOOLS (TC 29)

ISO/TS 13399-310:2017, Cutting tool data representation and exchange - Part 310: Creation and exchange of 3D models - Turning tools with carbide tips, $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 2382-37:2017, Information technology - Vocabulary - Part 37: Biometrics, $45.00

ISO/IEC 30122-2:2017, Information technology - User interfaces - Voice commands - Part 2: Constructing and testing, $45.00

IEC Standards

ELECTRIC ROAD VEHICLES AND ELECTRIC INDUSTRIAL TRUCKS (TC 69)

IEC 61851-1 Ed. 3.0 b:2017, Electric vehicle conductive charging system - Part 1: General requirements, $387.00

ELECTRIC WELDING (TC 26)

IEC 60974-1 Ed. 5.0 b:2017, Arc welding equipment - Part 1: Welding power sources, $387.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 62606 Ed. 1.1 b:2017, General requirements for arc fault detection devices, $645.00

IEC 62606 Amd.1 Ed. 1.0 b:2017, Amendment 1 - General requirements for arc fault detection devices, $117.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC 80369-5 Ed. 1.0 b cor.1:2017, Corrigendum 1 - Small bore connectors for liquids and gases in healthcare application - Part 5: Connectors for limb cuff inflation applications, $0.00

FIBRE OPTICS (TC 86)

IEC 60793-1-60 Ed. 1.0 en:2017, Optical fibres - Part 1-60: Measurement methods and test procedures - Beat length, $117.00

IEC 60793-1-61 Ed. 1.0 en:2017, Optical fibres - Part 1-61: Measurement methods and test procedures - Polarization crosstalk, $47.00

IEC 60793-2-70 Ed. 1.0 en:2017, Optical fibres - Part 2-70: Product specifications - Sectional specification for polarization-maintaining fibres, $117.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 62287-2 Ed. 2.0 en:2017, Maritime navigation and radiocommunication equipment and systems - Class B shipborne equiment of the automatic identification system (AIS) - Part 2: Self-organising time division multiple access (SOTDMA) techniques, $375.00

OVERHEAD LINES (TC 11)

IEC 60826 Ed. 4.0 en:2017, Design criteria of overhead transmission lines, $235.00

S+ IEC 60826 Ed. 4.0 en:2017 (Redline version), Design criteria of overhead transmission lines, $305.00

ROTATING MACHINERY (TC 2)

IEC 60034-18-42 Ed. 1.0 b:2017, Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests, $281.00

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

IEC 62841-2-10 Ed. 1.0 b:2017, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-10: Particular requirements for hand-held mixers, $164.00

SECONDARY CELLS AND BATTERIES (TC 21)

IEC 62619 Ed. 1.0 b:2017, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications, $235.00

IEC 61960-3 Ed. 1.0 b:2017, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications - Part 3: Prismatic and cylindrical lithium secondary cells and batteries made from them, $164.00

IEC 62133-1 Ed. 1.0 b:2017, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems, $164.00

IEC 62133-2 Ed. 1.0 b:2017, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems, $281.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 62670-3 Ed. 1.0 b:2017, Photovoltaic concentrators (CPV) - Performance testing - Part 3: Performance measurements and power rating, $281.00

IEC Technical Reports

SECONDARY CELLS AND BATTERIES (TC 21)

IEC/TR 62660-4 Ed. 1.0 en:2017, Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 4: Candidate alternative test methods for the internal short circuit test of IEC 62660-3, $235.00

IEC Technical Specifications

ELECTRIC TRACTION EQUIPMENT (TC 9)

IEC/TS 61375-2-4 Ed. 1.0 en:2017, Electronic railway equipment - Train communication network (TCN) - Part 2-4: TCN application profile, $352.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations 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

APA – The Engineered Wood Association

The reaccreditation of the APA – The Engineered Wood Association, an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under APA's recently revised operating procedures for documenting consensus on APA-sponsored American National Standards, effective February 13, 2017. For additional information, please contact: Borjen Yeh, Ph.D., P.E., Director, Technical Services Division, APA, 7011 South 19th Street, Tacoma, WA 98466-5333; phone: 253.620.7467; e-mail: borjen.yeh@apawood.org.

Reaccreditation

ASC INCITS – The InterNational Committee for Information Technology Standards

Comment Deadline: March 20, 2017

ASC INCITS – The InterNational Committee for Information Technology Standards has submitted revisions to its currently accredited operating procedures for documenting consensus on ASC INCITS-sponsored American National Standards, under which it was last reaccredited in 2015. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact the Secretariat of ASC INCITS: Ms. Lynn Barra, Director, Standards Operations, INCITS/Information Technology Industry Council, 1101 K Street NW, Suite 610, Washington, DC 20005; phone: 202.626.5739; E-mail: lbarra@itic.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to ASC INCITS by March 20, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

ANSI Accreditation Program for Third Party Product Certification Agencies

Initial Accreditation

Curtis-Strauss, LLC

Comment Deadline: March 20, 2017

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 February 10, 2017, Curtis-Straus, LLC, an ANSI-accredited certification body, was granted Initial Accreditation for the following:

LIST OF CERTIFICATION SCHEME(S)

Curtis-Straus VOC Certification Program

SCOPE

Curtis-Straus VOC Certification Program

Please send your comments by March 20, 2017 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)

Call for U.S. TAG Administrator

ISO/TC 147/SC 5 – Biological methods

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

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

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

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

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

Guideline for Inclusive Service - Identifying and Responding to Consumers in Vulnerable Situations

Comment Deadline: Friday, April 7, 2017

ISO's policy committee on consumer issues, ISO COPOLCO, working with BSI, the ISO member from the United Kingdom, has submitted to ISO the attached proposal for a new work item proposal for the development of an ISO standard on Guideline for inclusive service - identifying and responding to consumers in vulnerable situations, with the following scope statement:

To provide guidance to all organizations on how to identify consumers in vulnerable situations and how to develop, implement and maintain policies and procedures for the organization to deal with vulnerable consumers.

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, April 7, 2017.

International Electrotechnical Commission (IEC)

AWEA Advises Intent to Relinquish USNC TAG Administratorship for USNC TAG for IEC/TC 88

Response Deadline: February 24, 2017

The American Wind Energy Association (AWEA) has announced to the USNC Office its intent to relinquish its assignment as TAG Administrator for the USNC Technical Advisory Group for IEC/TC 88 – Wind energy generation systems.

Scope of IEC TC 88:

Standardization in the field of wind energy generation systems including wind turbines, wind power plants onshore and offshore and interaction with the electrical system(s) to which energy is supplied.

These standards address site suitability and resource assessment, design requirements, engineering integrity, modeling requirements, measurement techniques, test procedures, operation and maintenance. Their purpose is to provide a basis for design, quality assurance and technical aspects for certification. The standards address site-specific conditions, all systems and subsystems of wind turbines and wind power plants, such as mechanical, and electrical systems, support structures, control and protection as well as communication systems for monitoring, centralized and distributed control and evaluation, implementation of grid connection requirements for wind power plants, and environmental aspects of wind power development. The TC 88 standards will be developed based on and in agreement with appropriate IEC/ISO standards.

The American Renewable Energy Standards and Certification Association (ARESCA) has expressed interest in becoming the TAG Administrator for this TAG. If any other entities are interested in being considered for assignment as TAG Administrator for the USNC TAG for IEC/TC 88, they are invited to contact the USNC General Secretary, Tony Zertuche, tzertuche@ansi.org; 212-642-4892 by Friday, February 24, 2017. The USNC Technical Management Committee (TMC) will consider any expressions of interest received and will allocate the assignment as appropriate. If no entities express interest in this assignment, the TMC will consider registering the USNC as a Non-Member of this TC.

U.S. Technical Advisory Groups

Notice of TAG Reaccreditation

U.S. TAG to JTC 1/SC 31, Automatic Identification and Data Capture Techniques

The reaccreditation of the U.S. TAG to JTC 1/SC 31, Automatic identification and data capture techniques has been approved at the direction of the ANSI Executive Standards Council, under its recently revised operating procedures and with AIM Global continuing as TAG Administrator, effective February 14, 2017. For additional information, please contact: Ms. Mary Lou Bosco, COO, AIM Global, 5300 International Boulevard, Cranberry, PA 16066; phone: 724.742.4473; E-mail: marylou@aimglobal.org.

Meeting Notices

B11.19 Subcommittee – Performance Criteria for Safeguarding Machines

The B11.19 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its sixth meeting on May 3-5, 2017 at SICK, Inc. in Minneapolis, MN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.19 Subcommittee deals with the overall safeguarding and related equipment requirements common to machines.

The purpose of this meeting is to continue revising the 2010 version of the ANSI B11.19 Type-B standard. This meeting is open to anyone with an interest in machine safety, particularly as it relates to general safeguarding equipment and requirements for 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.

B11.20 Subcommittee – Integrated Manufacturing Systems

The B11.20 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its fifth meeting on May 1-3, 2016 at SICK, Inc. in Minneapolis, MN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.20 Subcommittee deals with the overall safety aspects, requirements and unique hazards when different manufacturing systems/machines are integrated together into a functional unit.

The purpose of this meeting is to begin revising the 2004 version of the ANSI B11.20 Type-B standard. This meeting is open to anyone with an interest in machine safety, particularly as it relates to general safeguarding equipment and requirements for 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.

B11.0 Subcommittee – Safety of Machinery; General Requirements and Risk Assessment

The B11.0 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its first meeting on June 3-5, 2017 at ESI in Aurora, IL. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.0 Subcommittee deals with the overall general safety requirements common to machines as well as risk assessment / risk reduction.

The purpose of this meeting is to begin revising the 2015 version of ANSI B11.0. This meeting is open to anyone with an interest in machine tool safety, particularly as it relates to general safety requirements and risk assessment / risk reduction for 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).

U.S. TAG for TC 262 (ISO 31000) – Risk Management

The American Society of Safety Engineers (ASSE) serves as the secretariat of the US TAG for TC262 ISO 31000 Risk Management.

The next meeting of the US TAG for TC262 ISO 31000 will be a face to face meeting on March 23-24th, 2017 at ASSE Headquarters in Park Ridge, Illinois. Those interested in participating can contact ASSE for additional information at LBauerschmidt@asse.org.

Z9 ASC

The American Society of Safety Engineers (ASSE) serves as the secretariat of the ANSI Accredited Z9 Committee (Z9 ASC) for Health and Safety Standards for Ventilation Systems.

The next meeting of the Z9 ASC will be via a webinar scheduled for Wednesday, March 29, 2017 from 2:00 PM to 4:00 PM Central. Those interested in participating can contact ASSE for additional information at OMunteanu@asse.org.

[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.]

American National Standard/Natural Stone Council
Sustainable Production of Natural Dimension Stone

.
.
.

3 Definitions

3.16 quarry operations: development of site including removal of overburden and natural stone from the deposit and activities occurring at that location or other locations captured under these operations. This incudes (but not limited to) trimming quarry blocks if trimming occurs at the same location where the stone is extracted.

3.17 quarrying organization: The entity that oversees/manages all involved facility operators.

3.1~~7~~ 8recycled water: water that has been captured and reused one or more times for onsite operations prior to being returned to the natural hydrologic system.

3.1~~8~~9 reproductive toxin: chemicals known to cause reproductive toxicity in humans, defined as those listed by the State of California CAL-EPA Proposition 65 - Known to cause cancer or reproductive toxicity (see Annex A).[1]

3.~~19~~ 20 secondary chemical of concern: chemicals considered to be asthmagens, ozone depleting substances, or chemicals with concerns for acute toxicity, chronic toxicity and other environmental effects (other than PBTs) as identified through its listing on one or more "secondary chemical of concern" lists in Annex A.

3.2~~0~~1 site restoration: reconstitution of a quarry site to restore as closely as possible the original grade and vegetative cover.

3.2~~1~~2 sludge: a residual mixture of raw material fines created from cutting and shaping operations, which may include water (and other materials) used in those operations. Typically, sludge is diverted to facilitate separation, disposition, and/or recycling of both solids and liquids.

3.2~~2~~3 solid waste: all non-liquid waste that is not process scrap.

.
.
.

8 Land reclamation and adaptive reuse

This section addresses responsible and sustainable reclamation of a quarry site once operations have ceased. As such, criteria in this section apply only to facility operators with quarry operations.

[1] State of California CAL-EPA Proposition 65

8.1 Required – post-closure reclamation plan

The ~~facility~~ quarry operator shall develop and maintain reclamation plan(s) that shall include a description of actions to be taken by the operator in the course of closing quarry-ground for each of the following:

1) Site cleanup (e.g., removal of equipment, storage tanks, septic tanks, and all garbage and debris);

2) Infrastructure removal (e.g., removal of buildings, utilities, capping of wells);

.

3) Site safety (e.g., protective barriers (if applicable), signs);

4) Reclamation of site. Acceptable reclamation approaches include those focused on both traditional site restoration as well as adaptive reuse (e.g., creation of a recreational area, fulfill community need for landfill, conform to community development, etc.);

5) Ecosystem restoration (e.g., re-vegetation, slope reconstruction, natural drainage); and

6) Monitoring the site according to post quarrying land use objectives.

Note: Credit will be awarded on quarry by quarry basis

8.2 Optional – community involvement

The quarry operator shall document a post-closure reclamation plan with documented involvement of local community organizations including government and local citizens groups. To qualify for this criterion, the resulting plan shall be made available to the public over the period of certification. (2 points)

Note: Credit will be awarded on quarry by quarry basis

8.3 Optional - exemplary site closure

The ~~quarry operator~~ quarrying organization shall demonstrate the successful closure of a site consistent with sustainable post-closure planning. The qualifying reclamation shall have met each of the following to qualify for this criterion:

- Site reclamation shall have addressed each of the requirements listed in 8.1;

- Site reclamation or adaptive reuse shall have been consistent with the needs of the local community or have been carried out in consideration of the local ecosystem to minimize future impacts; and

- Site closure and reclamation shall exhibit action commensurate with the plan or have been completed within the past 20 years.

Both sustainable site reclamation and adaptive reuse approaches are allowable under this criterion. Demonstrated post closure care shall occur at ~~the quarry claiming conformance (if currently owned by the company)~~ a quarry currently or previously owned by the organization. Credit will be awarded on an organizational basis to all quarries seeking certification. (2 points)

.
.
.

BSR/UL 110, Standard for Safety for Sustainability for Mobile Phones

1. This Proposed First Edition of the Standard for Sustainability for Mobile Phones, UL 110, is designed to reduce environmental impacts associated with the design, manufacture, use, and disposal of mobile phones.

3.1 For the purposes of this Standard, values shall be reported in accordance with the requirements of the specific criteria and shall be in ~~metric units~~ the International System of Units (SI).

4.1 Any undated reference to a code or standard appearing in this Standard shall be interpreted as referring to the latest edition of that code or standard. The exception shall be in the case where the criterion explicitly states a certain version or date to be used. In the case of EU Directives, which contain an adoption date in their title, when the EU repeals a directive and replaces it with a new directive, or otherwise edits and updates a directive, the new directive will apply as the referenced directive upon its enforcement date, unless otherwise explicitly stated in the normative reference.

7.3.1 Optional - Substitutions assessment

The manufacturer shall provide documentation showing that it or a supplier or a recognized competent and reliable scientific expert in partnership with the manufacturer has performed a chemical hazard assessment of alternatives to one or more substances that are on the "Declarable Substances List" of IEC 62474, Material Declaration for Products of and for the Electrotechnical Industry and that have been used in previous products manufactured 5 years prior to declaration of conformity to this standard.

This evaluation shall be based on assessment tools equivalent to the U.S. EPA's Design for the Environment Alternative Assessment Methodology[2]. The assessment shall cover human health and environmental endpoints including but not limited to those listed in U.S. EPA's Design for the Environment Program Alternatives Assessment Criteria for Hazard Evaluation[3].

~~Based upon the results of the assessment,~~ The manufacturer shall indicate whether it replaced the target substance with a lower-hazard substance to serve the same function in the product, based upon the results of the assessment. The manufacturer shall determine the weighting of hazard endpoints evaluated and provide documentation supporting its decision.

A manufacturer may ~~not~~ only claim these points if it ~~does not~~ elects to use a lower-hazard alternative, or if the ~~original substance~~ assessment demonstrates the target substance represents a lower hazard than the evaluated potential alternatives. ~~a manufacturer may claim these points for conducting the assessment~~. An evaluation performed on a substance used in a manufacturer's prior-shipped product is considered sufficient if the application is relevant to the product to which this standard is being applied, and if the evaluation reflects recent science on substance hazards.

Point value: 6

[2] https://www.epa.gov/saferchoice/design-environment-alternatives-assessments
[3] https://www.epa.gov/saferchoice/alternatives-assessment-criteria-hazard-evaluation

7.4.1 Optional - Requesting substance inventory

The manufacturer shall request information from suppliers on the inventory of substances in the materials, components, and parts contained in the mobile phone and have a documented process, and a system or tool, to manage that information as defined below.

Requesting information: The manufacturer shall have a record of having requested suppliers of the materials, components, and parts in the mobile phone to disclose a unique identifier (e.g. CAS, EC, MITI, ECHA), or substance name if a unique identifier is not available, or the inventory of substances comprising either:

- materials, components, and parts encompassing at least 90% of the total mobile phone mass, or

- at least 90% of the directly contracted suppliers of materials, components, and parts.

~~For instances where there are multiple accessory combinations, and for which there are not material differences associated with the product, the manufacturer shall choose a representative combination.~~

"Request" means one or more of the following:

- The manufacturer, or an agent or supplier of the manufacturer, has requested this information in writing from the supplier directly (e.g. email, letter) and has documented acknowledgement of receipt by the supplier, or

- A contract, agreement, or purchase order between the supplier and the manufacturer (or between the supplier and an intermediary supplier [e.g. contract manufacturer]) requires the supplier to provide this information, or

- A specification or other document to which the supplier is held by the manufacturer or an intermediary supplier that requests to provide this information.

Managing substance information: The manufacturer shall have a documented process for collecting the information requested above; and an information management system or tool to address the nature and quantity of parts, suppliers and information relevant to the requested substance information. The system or tool shall include a means of recording the collected information that is used to calculate the percentage of directly contracted suppliers for the mobile phone (~~i.e.~~ including a list of all suppliers) or percentage mass of the mobile phone (~~i.e.~~ including a list of all parts and their masses).

Point value: 3

8.1 Post-consumer recycled and biobased plastic content

If filler materials or additives are used in post-consumer recycled and/or biobased plastics, the calculation of the post-consumer recycled and/or biobased plastic content is made by dividing the weight of the post-consumer recycled and/or biobased plastic by the full weight of the plastic material, including additives and fillers, in the part or product. Only additives or fillers ~~are not considered recycled plastic, except in the case where the additives or fillers~~ that are derived from a recycled feedstock may be considered recycled plastic.

8.1.1 Required - Declaration of post-consumer recycled and biobased plastics content

Manufacturer shall declare both the minimum percentage of post-consumer recycled plastic content, and minimum percentage of biobased plastic content, each calculated as a percentage of total plastic (by weight) in the product. This declaration shall be available to the public through the manufacturer's website, or other publicly accessible electronic resources.

The following may be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors, electronic components, optical components, electrostatic discharge (ESD) components, electromagnetic interference (EMI) components, films, coatings and adhesives.

Demonstration of conformance shall include a supplier letter stating minimum percentage of post-consumer recycled and biobased plastic content in material supplied to manufacturer or to manufacturer's part supplier, and documentation of calculation; and is not required if a declaration is zero content.

Note: A declaration of 0% is acceptable for this criterion.

If the product does not contain any non-excluded plastics, "Not Applicable" may be declared.

8.1.2 Optional - Post-consumer recycled plastic and biobased plastic content in the mobile phone

The use of post-consumer recycled plastic and biobased ~~content~~ plastic content in the mobile phone - calculated as a percentage of total plastic (by weight) in the mobile phone - shall be awarded points on a sliding scale as shown in Table 8.1.

The following may be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors, electronic components, optical components, ESD components, EMI components, films, coatings and adhesives.

If the mobile phone does not contain any non-excluded plastics, "Not Applicable" may be declared.

Point value: maximum 4

Table 8.1
Post-Consumer Recycled Content and Biobased Content
(measured as a percentage of the total weight of plastic in the mobile phone)

Total Combined Post-Consumer Recycled Content and Biobased Content	Points Awarded
1% - 5%	1
> 5% - 10%	2
> 10% - 25%	3
> 25%	4

~~Note 1: Biobased is defined in Section 9002 of the Farm Security and Rural Investment Act of 2002 (U.S. Dept. of Agriculture); the U.S. Department of Agriculture's framework rule for Federal purchasing of biobased products, 70 FR 1792, 11 January 2005.~~

Note ~~2~~: Verification of biobased content can be determined using ASTM D6866-04a.

9.1 Compliance with the European Union RoHS Directive

9.1.1 Required - Compliance with the European Union RoHS Directive

The product shall meet the restricted substance requirements of the European Union RoHS Directive and its amendments, including exemptions to these limits. ~~and exclusions as defined by the European Union RoHS Directive apply.~~

Technical documentation, as required in Article 7(b) of the European Union RoHS Directive, can be generated per standard IEC 63000 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances or through product testing. Testing should utilize IEC 62321, Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers). Other applicable chemical analysis methods may be employed, provided that adequate performance can be demonstrated for the analytes and matrices of interest.

11.3.1 Required - Battery removability/replacement by ~~independent~~ qualified repair service providers or authorized repair providers

All rechargeable batteries that can provide primary power shall be removable and replaceable by qualified repair service providers or authorized repair providers with the use of non-proprietary tools or without the use of any tools and without damage that would preclude re-use or refurbishment of the mobile phone.

The instructions showing how the batteries can be removed shall be made available to qualified repair service providers ~~and~~ or authorized repair providers, upon request. The manufacturer shall provide information on how to recycle used batteries in electronic or printed format, or on the battery.

The instructions showing how the batteries can be removed shall also specify who (e.g. end-users, service centers, waste treatment facilities, etc.), in the view of the manufacturer, are the appropriate parties to remove the battery.

12.2.1 Required - Separability and labeling of plastics in packaging

All dissimilar packaging components ≥ 25 g shall be separable without the use of tools. Separability requirement does not apply to tape or labels affixed to plastic bags or wraps, staples, and top sheet adhered to chipboard, corrugate or other paperboard.

All plastic components ≥ 25 grams shall be clearly marked with material type in accordance with ASTM D7611/D7611M, DIN6120, or ISO 11469/1043. Marking requirement does not apply to plastic parts that individually weigh~~ing~~ less than 25 g or with surface area less than 50 cm^2; tape; plastic protective and stretch wraps and labels; or plastic pieces when due to shape marking is not possible.

12.6.1 Optional - Environmentally preferable paper/paperboard in POS packaging

The total virgin materials in the POS packaging shall contain any combination of the following percentage content, as defined in Table 12.3.

- From a source certified by the Forest Stewardship Council (FSC) Program for the Endorsement of Forest Certification Schemes (PEFC), or that is certified to a national forest certification system that has been endorsed by PEFC (e.g. Sustainable Forestry Initiative (SFI) program, CSA Sustainable Forest Management Program, and CERFLOR Forest Certification Program). ~~Demonstration~~ The manufacturer shall provide documentation to demonstrate that the ~~on-product label~~ chosen certification includes both chain-of-custody certification and chain-of-custody documentation for the material ~~shall be provided to demonstrate conformance to this requirement~~.

- Produced from non-wood biobased material including but not limited to bagasse, bamboo, hemp, kenaf, mushroom, and straw. For the purposes of this criterion, biobased material does not include biobased plastic.

Note: ~~Each~~ A specified mass of packaging ~~component~~ material may be claimed as either sustainably forested or biobased, not both.

Table 12.3
Environmentally Preferable Paper/Paperboard Packaging:
Sustainable Sourcing and Non-Wood Biobased Material

Requirement	Range	Points Awarded - POS Packaging
Mass % of total combined FSC, FSC Controlled Wood, SFI, or PEFC virgin fiber paper/paperboard, and/or content produced from non-wood biobased material.	> 50% ≤ 75%	1
	> 75% ≤ 100%	2

Point value: maximum 2

12.6.2 Optional - Environmentally preferable paper/paperboard for printed content

The total combined paper and paperboard utilized in the printed content contained in the POS packaging (e.g., user manuals, info booklets, etc.) shall include recycled content, and/or be from a source certified by the Forest Stewardship Council (FSC) Program for the Endorsement of Forest Certification Schemes (PEFC), or that is certified to a national forest certification system that has been endorsed by PEFC (e.g. Sustainable Forestry Initiative (SFI) program, CSA Sustainable Forest Management Program, and CERFLOR Forest Certification Program) and/or shall be produced from a non-wood biobased material (including bagasse, bamboo, mushroom, and straw), according to Table 12.4.

Note: A specified mass of packaging material may be claimed as either sustainably forested or biobased, not both.

Point value: 1

[Note from the STP Project Manager: Only the affected row of Table 13.1 is shown. The rest of the table is unchanged and is not shown.]

Table 13.1
GRI Topics for Supplier's Operation

G4 Indicators	GRI Standards
EN21 - NO, SO, and other significant air emission by type and weight	~~305-6 and~~ 305-7 - NO, SO, and other significant air emission

14.1.1 Optional - Conducting a life cycle assessment

Within 3 months of declaration of conformity to this criterion, the manufacturer shall demonstrate that a Life Cycle Assessment (LCA) has been conducted on the product in accordance with the methodologies and calculations in ISO 14040 Environmental management - Life cycle assessment - Principles and framework, and ISO 14044 Environmental management - Life cycle assessment - Requirements and guidelines.

The manufacturer shall demonstrate that the LCA conducted applies to the product by including in the scope of the assessment all the model numbers or other unique identifiers for the products to which the assessment applies. If the manufacturer seeks this credit for products not included in the LCA, the manufacturer must demonstrate how the product differs from those evaluated in the assessment, and how and whether those differences affect the outcome of the assessment.

Impacts shall be reported for the environmental impacts that are based on an evaluation of the product and existing industry practices and shall be done in accordance with ISO 14044. The assessment must include a “comprehensive set of environmental issues” (ISO ~~14044~~ ~~14040: 2006 p. 17~~) and a description of how the impact categories considered are “justified and consistent with the goal and scope of the assessment” (ibid). Possible impacts may include but are not limited to:

a) Global Warming;

b) Acidification;

c) Eutrophication;

d) Ozone Depletion;

e) Photochemical Smog Formation;

f) Primary Energy Demand;

g) Eco-system Toxicity;

h) Human Health Toxicity;

i) Water Use;

j) Waste Generation; and

k) Resource Depletion.

Point value: 6

16.2 Declaration of conformity to this standard that includes innovation points shall include a publicly available description on the manufacturer's website, on the organization making a declaration of conformity's website, or on another public website. The description will ~~include the innovation points awarded/claimed, and will either~~ identify the technology associated with the innovation, or provide a high level description of the nature of the innovation.

BSR/UL 674, Standard for Safety for Electric Motors and Generators for Use in Hazardous (Classified) Locations

1. Revisions to Thermocouple Requirements

PROPOSAL

29.1 (I, II) Temperatures shall be measured by ~~the use of potentiometer-type instruments or thermocouples consisting of wires not larger than 0.21 mm^2 (24 AWG) and not smaller than 0.05 mm^2 (30 AWG). When thermocouples are used in determining temperatures in electrical equipment, it is common practice to employ thermocouples consisting of 0.05 mm^2 (30 AWG) iron and constantan wire and a potentiometer-type instrument. Such equipment shall be used whenever referee temperature measurements by~~ thermocouples ~~are~~ as necessary to determine the maximum external surface temperature.

Special Note: 29.2 is for reference only - no changes are being proposed to this paragraph.

29.2 (I, II) Thermocouples shall be located at various points on the outside of the motor enclosure and at other points where temperature measurements are required.

~~29.3 (I, II) A thermocouple junction and the adjacent thermocouple lead wire shall be securely held in good thermal contact with the external surface of the enclosure, the temperature of which is being measured. Adequate thermal contact is obtained by drilling a small, bottomed hole in the metal, inserting the thermocouple junction and securing it in place by prick-punching the metal adjacent to the drilled hole. The adjacent thermocouple leads may be held in contact with the external surface of the enclosure with a cement consisting of water glass and silica.~~

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

PROPOSAL

Addition of Nickel to Table 5.3

Note from the STP Project Manager: For brevity, only a portion of the table is shown.

Table 5.3

Conductor - metal specifications

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Nickel-coated iron	-	250 (482)	
Nickel, Nickel alloy	ANSI/ASTM B160 or B473, or per the requirements in the 'other limits' column	550 (1022)	Minimum tensile strength 45,000 psi or 31.6 kgf/mm^2 elongation at least 10 percent, nominal volume resistivity 45 ohm circular mil/foot at 20°C (68°F)
NOTE 1 - "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin, " mentioned in this table refers to copper strands that are twisted and then coated with tin.			
[a] IACS - International Annealed Copper Standard			

BSR/UL 1123, Standard for Safety for Marine Buoyant Devices

1. Label proposal

PROPOSAL

36A.3.1.1 The Selection and Warnings Panel shall include the following information arranged in the order listed:

a) Sizing information, to include a size class, weight range, and chest and waist size (if applicable), according to Table 36A.3.1.

b) Graphics indicating the appropriate performance level according to Figures 36A.3.1A and 36A.3.1B. The order in which the graphics shall be located on the panel shall be the environmental graphic in Figure 36A.3.1A followed by the applicable turning graphic in Figure 36A.3.1B.

c) Graphics to warn the user that the PFD is not designed for use on a personal watercraft, when white water paddling, or when water skiing, or participating in similar towed uses, according to Figure 36A.3.2.

d) Any applicable warnings and limitations, as determined elsewhere in this standard. Examples include, but are not limited to those shown in Table 36A.3.2. When the warnings in Figure 36A.3.2 are not applicable, the warning symbol shown in Figure 36A.3.2 shall be included with the content from Table 36A.3.2.

e) The following statement:

English	French	Spanish
Choose and wear the device which fits you and your activity, visit www.XXXXX.com ~~.org~~. Read and keep the owner's manual and tags for info on ~~, such as rearming,~~ wear~~,~~ and care.	Choisir et porter l'appareil qui vous convient et votre activité, visitez www.XXXXX.com ~~.org~~. Lire et conserver le manuel et les étiquettes pour les informations sur ~~, telles que le réarmement ,~~ l'usure et les soins.	Elegir y usar el dispositivo que usted y su actividad, visita www.XXXXX.com ~~.org~~/encaja. Lea y mantener el propietario de etiquetas y manuales de información sobre~~, tales como el rearme ,~~ el desgaste, y la atención .

36A.3.2.1 The Certification and Approval Panel shall include the following information, arranged as indicated:

a) Company trademark and/or name and physical address or web address of the Applicant, in the upper left corner of the Panel;

b) “USCG Approved” and the U.S. Coast Guard Approval Number in the format “160.###/####/#” ~~[~~and TC approval information if applicable~~]~~, in the lower left corner of the Panel;

c) Model Number and Style (if applicable), manufacturer may include a catalog number;

d) Certification Standard and the Performance Level (Type) ~~code ("Type II" or "Type III")~~

e) Lot Number, directly below the Model Number and Style. The lot number shall:

1. Incorporate a means of identifying the year and quarter of manufacture of the device;

2. Be numbered serially; and

3. Provide a means of identifying the device as the product of a particular factory (if a manufacturer produces PFDs at more than one factory);

f) The Mark or Name of the Certification Organization, in the lower right corner of the Panel; and

g) State "Approval conditions state that this device must be worn to be considered as equipment required by vessels meeting Transport Canada or USCG regulations ~~Approved only when worn~~", if applicable in the bottom left of the panel. See the following:

English	French	Spanish
Approval conditions state that this device must be worn to be considered as equipment required by vessels meeting Transport Canada or USCG regulations ~~Approved only when worn~~.	Obligation d'être porté pour se conformer aux exigences de transport des États-Unis ~~Approuvé que lorsqu'ils sont usés~~.	Requiere ser usado para cumplir con los requisitos de transporte de EE.UU ~~Aprobado sólo cuando se usa~~.

BSR/UL 3730, Standard for Safety for Photovoltaic Junction Boxes

1. Expansion of UL 3730 to Include Junction Boxes up to 1500 V dc or Less

4.2 Nonmetallic enclosures and polymeric materials

Table 4.1

Determination of comparative tracking index performance level category (PLC)

Voltage	Creepage distance	IPT 1 hr rating required	CTI PLC of 2 or better required
0 - 30	Any	No	No
> 30 - 600	< 12.7 mm	No	Yes
> 30 - 600	≥ 12.7 mm	No	No
> 600 - 1000	< 16.0 mm	Yes	No
> 600 - 1000	≥ 16.0 mm	No	No
> 1000 - 1500	< 24.0 mm	Yes	No
> 1000 - 1500	≥ 24.0 mm	No	No
Note - Voltage is determined as follows:			
	Between live parts: the maximum potential difference during normal use		
	Between live parts and dead metal parts that may be grounded in service: maximum system voltage		
	Between live parts and any surface exposed to contact: maximum system voltages ~~35 - 36, and Section~~		