ANSI STANDARDS ACTION

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

VOL. 42, #43 *October 28, 2011*

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: November 27, 2011

NCEES (National Council of Examiners for Engineering and Surveying)

New Standards

BSR/NCEES MLSE 3-201x, Standards of Licensure as a Model Law Structural Engineer (new standard)

Specifies the criteria for defining competency in the practice of structural engineering for candidates to attain licensure as a Model Law Structural Engineer. The definition of structural engineering practice has been modified based upon comments received from an earlier draft of the proposed standard.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to psa@ansi.org) to: Jerry Carter, (864) 654-6824, jcarter@ncees.org

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 508-201x, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2008)

Provides changes to the proposed revisions to address the use of iron-core reactors in UL 508 based on comments received.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@us.ul.com

BSR/UL 746B-201x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2011)

The following change for UL 746B is being proposed: (1) RTI-impact offset principle based on apparent thermal indices.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546-2593, Raymond.M.Suga@us.ul.com

BSR/UL 796-201x, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2010)

Resolve comments received by UL to the following proposal for UL 796, which was originally proposed on August 26, 2011: (a) Revision of dimensions of thicknesses in Table 9.2.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (408) 754-6656, Derrick.L.Martin@us.ul.com

* BSR/UL 1917-201x, Standard for Solid-State Fan Speed Controls (revision of ANSI/UL 1917-2011)

Revises the visibility requirement for fan speed control markings.

Click here to see these changes in full, or look at the end of "Standards Action."

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

Comment Deadline: December 12, 2011

ADA (American Dental Association)

Reaffirmations

BSR/ADA Specification No. 109-2006 (R201x), Procedures for Storing Dental Amalgam Waste and Requirements for Amalgam Waste Storage/Shipment Containers (reaffirmation of ANSI/ADA 109-2006)

Describes procedures for storing and preparing amalgam waste for delivery to recyclers or their agents for recycling. In addition, this standard gives requirements for the containers for storing and/or shipping amalgam waste.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: Kathy Medic, (312) 440-2533, medick@ada.org

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

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoptions

BSR/ASABE/ISO 12188-1-201x, Tractors and machinery for agriculture and forestry - Testing procedures for positioning and guidance systems in agriculture - Part 1: Dynamic testing of satellite based positioning devices used in agriculture (identical national adoption of ISO 12188-1:2010)

Provides a procedure for evaluating and reporting the accuracy of navigation data determined using positioning devices that are based on GPS, GLONASS, Galileo, or similar global navigation satellite systems (GNSS). This Standard focuses on performance of the positioning devices while they are subject to motions typical of ground-based agricultural field operations. It specifies common performance parameters that can be used to quantify and compare the dynamic performance of different positioning devices.

Single copy price: $52.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

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

New Standards

BSR/ASHRAE Standard 173P-201x, Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detector (new standard)

Since 1996, TC 3.8 Refrigerant Containment has defined several objectives for improving refrigerant containment and leak detection. This proposed standard has gathered practitioners and highly informed experts in order to define a practical method capable of verifying how a leak detector can properly detect small and very small leak flow rates. Leak detection is necessary for all types of refrigerants and is part of the quality management of air conditioning and refrigeration systems.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/technology/page/331

Addenda

BSR/ASHRAE Addendum 55d-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55 -2010)

Removes informative language related to the use of Section 5.3 for occupant-controlled, naturally conditioned spaces (sometimes called the adaptive comfort method) from the body of the Standard and moves it to an informative appendix. This addendum also states the requirements more clearly in normative language. In some cases, paragraph numbering has been added or modified for greater clarity.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/technology/page/331

AWS (American Welding Society)

Revisions

BSR/AWS A5.9/A5.9M-200x, Specification for Bare Stainless Steel Welding Electrodes and Rods (revision of ANSI/AWS A5.9/A5.9M -2006)

Prescribes the requirements for classification of solid and composite stainless steel electrodes (both as wire and strip) for gas metal arc welding, submerged arc welding, and other fusion welding processes. It also includes wire and rods for use in gas tungsten arc welding. Classification is based on chemical composition of the filler metal. Additional requirements are included for manufacture, sizes, lengths, and packaging.

Single copy price: $27.00

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, Ext. 466, adavis@aws.org; roneill@aws.org

BSR/AWS C1.1M/C1.1-201x, Recommended Practices for Resistance Welding (revision of ANSI/AWS C1.1M/C1.1-2000 (R2006))

Provides a collection of data and procedures that are intended to assist the user in setting up resistance welding equipment to produce resistance welded production parts. While the recommendations included are not expected to be final procedures for every production part or every welding machine, they serve as starting points from which a user can establish acceptable welding machine settings for specific production welding applications.

Single copy price: $82.00

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, Ext. 466, adavis@aws.org; roneill@aws.org

CSA (CSA America, Inc.)

New Standards

BSR/CSA America HGV 4.10-201x, Fittings for Compressed Hydrogen Gas and Hydrogen Rich Gas Mixtures (new standard)

Specifies uniform methods for testing and evaluating the performance of fittings for use with compressed hydrogen gas and hydrogen rich gas mixtures. This standard does not address special requirements for liquid and slush hydrogen. This standard applies to hydrogen systems applications to meet current market needs.

Single copy price: $175.00

Obtain an electronic copy from: cathy.rake@csa-america.org

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

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

Revisions

BSR/CSA America FC 1-201x, Stationary Fuel Cell Power Systems (revision of ANSI/CSA America FC 1-2004 (R2009))

Covers the safe operation, construction, and performance of stationary fuel cell power systems, which through electrochemical reactions generate electricity. This standard applies to fuel cell power systems that operate at an output voltage not exceeding nominal 600 VAC or 600 VDC, and at a power output not exceeding 10 MW. Input fuels covered by this standard include hydrogen gas, gaseous and liquid hydrocarbon fuel, and zinc particulate conveyed in a non-flammable liquid medium.

Single copy price: $175.00

Obtain an electronic copy from: cathy.rake@csa-america.org

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

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

FCI (Fluid Controls Institute)

Revisions

BSR/FCI 99-3-201x, Back Pressure Regulator Capacity (revision of ANSI/FCI 99-3-2007)

Provides a method for establishing and reporting back pressure regulator capacities for use by manufacturers, users, specifiers and approval bodies in order to promote consistent surplusing valve capacities.

Single copy price: Free

Obtain an electronic copy from: fci@fluidcontrolsinstitute.org

Order from: Leslie Schraff, (216) 241-7333, fci@fluidcontrolsinstitute.org

Send comments (with copy to psa@ansi.org) to: Craig Addington, (216) 241-7333, fci@fluidcontrolsinstitute.org

HL7 (Health Level Seven)

Revisions

BSR/HL7 V2.7.1-201x, An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision of ANSI/HL7 V2.7 -2011)

Includes modifications deemed necessary to support the US Federal Government's Health and Human Services (HHS) proposed Lab Results Implementation Guide supporting functionality for reporting of lab results. The proposed changes are modifications or additions to Chapter 4, OBR segment, and Chapter 2, Conformance.

Single copy price: Free (HL7 members); $705.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

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

BSR/HL7 V3 ICSRP1, R2-201x, HL7 Version 3 Standard: Pharmacovigilance - Individual Case Safety Report, Part 1: The Framework for Adverse Event Reporting, R2 (revision and partition of ANSI/HL7 V3 RRCS, R1-2005)

Develops a standardized specification of the data elements and exchange format needed for transmission of Individual Case Safety Reports for adverse events that may occur upon the administration of one or more products to a patient regardless of source and destination.

Single copy price: Free (HL7 members); $705.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

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

BSR/HL7 V3 ICSRP2, R2-201x, HL7 Version 3 Standard: Pharmacovigilance - Individual Case Safety Report, Part 2: Human Pharmaceutical Reporting Requirements for ICSR, R2 (revision and partition of ANSI/HL7 V3 ICSRP2, R2-201x)

Develops a standardized ISO conformance specification of the data elements and exchange format needed for regulatory transmission of Individual Case Safety Reports for adverse events that may occur upon the administration of one or more products to a patient regardless of source and destination.

Single copy price: Free (HL7 members); $705.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

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

LIA (ASC Z136) (Laser Institute of America)

New Standards

BSR Z136.2-201x, Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources (new standard)

Addresses the hazards of and provides guidance for the safe use, maintenance, service, and installation (manufacture) of optical communications systems (OCS) utilizing laser diodes or light emitting diodes (LED) operating at wavelengths between 600 nm and 1 mm, and not intended for visual communications. For purposes of the standard, optical communication systems include end-to-end optical fiber based links (optical fiber communications systems - OFCS), fixed terrestrial point-to-point free-space links (free space optical communications systems - FSOCS) or a combination of both.

Single copy price: $30.00

Obtain an electronic copy from: bsams@lia.org

Order from: Barbara Sams, LIA (ASC Z136); bsams@lia.org

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

NSF (NSF International)

Revisions

BSR/NSF 51-201x (i10), Food equipment materials (revision of ANSI/NSF 51-2009)

Issue 10: Updates boilerplate and normative references; clarifies the requirements for brass and bronze, glass and glass-like materials, and storage shelving intended for wet environments; relocates the lead requirement and test method from ANSI/NSF 4 and the glass materials requirement in the food equipment standards to ANSI/NSF 51; and expands the Fluoropolymer coatings requirements.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=14908

Order from: Lorna Badman, (734) 827-6806, badman@nsf.org

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

* BSR/NSF 173-201x (i40), Dietary Supplements (revision of ANSI/NSF 173-2010)

Issue 40: The purpose of this ballot is threefold: (1) To eliminate discrepancies with the language in 7.4; (2) To achieve consistency with language in paragraphs related to method selection and development; (3) To ensure that all language meets ANSI requirements.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/org/workgroup/ds_jc/document.php?document_id=14947

Order from: Joan Hoffman, (734) 769-5159, jhoffman@nsf.org

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

PRCA (Professional Ropes Course Association)

New Standards

* BSR/PRCA 1.0-3-201x, Ropes Challenge Course Installation, Operation & Training Standards (new standard)

Establishes safety requirements for the design, manufacture, performance, construction, inspection, maintenance, removal from service, qualification, instruction, training, use and operation of components, subsystems, systems and courses utilized by the ropes challenge course industry including permanent temporary or mobile portable and fixed low-ropes challenge course elements, high-ropes challenge course elements, standalone challenge elements, zip lines, canopy tours, adventure courses and any climbing walls, and climbing structures that are components of a ropes challenge course.

Single copy price: Free

Obtain an electronic copy from: http://www.prcainfo.org

Order from: Michael Barker, (815) 986-7776, Mbarker@newhavenct.net

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

SLAS (Society for Laboratory Automation and Screening)

New Standards

BSR/SLAS 6-201x, Standard #6 for Well Bottom Elevation (new standard)

Defines well bottom elevation of a microplate as specified in American National Standards (ANS) covering microplates with flat well bottoms.

Single copy price: Free

Obtain an electronic copy from: http://www.slas.org/education/microplate.cfm

Order from: Katie Woywod, (630) 256-7527, kwoywod@slas.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standards

BSR/TAPPI T 421 om-xx, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)

Describes procedures that may be used for the qualitative determination and identification of the mineral constituents of filled and coated papers. Due to the similarity in chemical composition and physical size and shape of some of the various possible constituents contained in a given paper specimen, more precise quantitative methods may at times be required for positive identification. It is recommended that one become thoroughly familiar with this method by analyzing paper samples of known mineral component content.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

BSR/TAPPI T 444 om-xx, Silver tarnishing by paper and paperboard (new standard)

Identifies papers and boards that will tarnish or stain silver. The appearance of the tarnish or stain of silver by a test specimen of the sample is reported, together with the distribution of the tarnishing or staining. Reducible sulfur activity is a common cause of tarnishing.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 104-201x, Standard for Safety for Elevator Door Locking Devices and Contacts (new standard)

Covers the following elevator appliances intended for installation and operation in accordance with the requirements of the Safety Code for Elevators and Escalators, ASME A17.1:
(a) Hoistway-door interlocks;
(b) Hoistway-door combination mechanical lock and electrical contacts; and
(c) Hoistway-door and car-door or gate electrical contacts.

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, (408) 754-6656, Derrick.L.Martin@us.ul.com

BSR/UL 1022-201x, Standard for Safety for Line Isolation Monitors (new standard)

Requests first-time ANSI approval of the 4th edition of the Standard for Safety for Line Isolation Monitors, UL 1022.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@us.ul.com

Revisions

* BSR/UL 1647-201x, Standard for Safety for Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2011)

Covers:
(1) Proposed revision to and addition of requirements to clarify massage-type footbath requirements with respect to: Footbath definition; When a V2 flame rating is required; Determining suitability of insulated resistance heating wire; Design factors to prevent overfill; Orifice dimension for the spill test; Elastomeric parts tested as part of the flooding of live parts test; Marking requirement for maximum fill line; and correcting safety instructions;
(2) Proposed revision to and addition of requirements to clarify alternative polymeric enclosure and insulating material requirements;
(3) Proposed revision to and addition of requirements to clarify inversion table requirements with respect to the impact force used in the end-stop impact test and testing ankle-clamping systems provided on inversion boots in the ankle clamping system inversion test; and
(4) Proposed revisions to clarify and correct the stability test and mechanical strength tests for motor simulation appliances.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@us.ul.com

Reaffirmations

BSR/UL 60950-21-2007 (R201x), Standard for Safety for Information Technology Equipment - Safety - Part 21: Remote Power Feeding (reaffirmation of ANSI/UL 60950-21-2007)

Reaffirms the first edition of UL 60950-21 as an American National Standard.

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: Barbara Davis, (408) 754-6722, Barbara.J.Davis@us.ul.com

BSR/UL 60950-23-2007 (R201x), Standard for Safety for Information Technology Equipment - Safety - Part 23: Large Data Storage Equipment (reaffirmation of ANSI/UL 60950-23-2007)

Reaffirms the first edition of UL 60950-23 as an American National Standard.

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: Barbara Davis, (408) 754-6722, Barbara.J.Davis@us.ul.com

VITA (VMEbus International Trade Association (VITA))

New Standards

BSR/VITA 66.1-201x, Optical Interconnect on VPX - MT Variant (new standard)

Defines a family of blind mate Fiber Optic interconnects for use with VPX backplanes and plug-in modules.

Single copy price: $free

Obtain an electronic copy from: techdir@vita.com

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

Projects Withdrawn from Consideration

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

ASABE (American Society of Agricultural and Biological Engineers)

* BSR/ASAE/ISO 9191-2002 (R2007), Lawn and Garden ride-on (riding) tractors - Three-point hitch (withdrawal of ANSI/ASAE/ISO 9191-2002 (R2007))

* BSR/ASAE/ISO 9192-2002 (R2007), Lawn and garden ride-on (riding) tractors - One-point tubular sleeve hitch (withdrawal of ANSI/ASAE/ISO 9192-2002 (R2007))

ASTM (ASTM International)

BSR/ASTM WK28448-201x, New Specification for Specification for CPVC/AL/CPVC Potable Water Piping (new standard)

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI ST15883-1-2006/A2-201x, Washer-disinfectors - Part 1: General requirements, terms and definitions and tests/Amendment 2 (addenda to ANSI/AAMI ST15883-1-2009)

BSR/AAMI/ISO 14708-3-201x, Implants for surgery - Active implantable medical devices - Part 3: Implantable neurostimulators (identical national adoption and revision of ANSI/AAMI/ISO 14708-3-2008)

BSR/AAMI/ISO 14708-4-201x, Implants for surgery - Active implantable medical devices - Part 4: Implantable infusion pump (identical national adoption and revision of ANSI/AAMI/ISO 14708-4-2008)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Ave.
Cleveland, OH 44115

Contact: *Craig Addington*

Phone: (216) 241-7333

Fax: (216) 241-0105

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 99-3-201x, Back Pressure Regulator Capacity (revision of ANSI/FCI 99-3-2007)

NCEES (National Council of Examiners for Engineering and Surveying)

Office: P.O. Box 1686
280 Seneca Creek Road
Clemson, SC 29633-1686

Contact: *Jerry Carter*

Phone: (864) 654-6824

Fax: (864) 654-6033

E-mail: jcarter@ncees.org

BSR/NCEES MLSE 3-201x, Standards of Licensure as a Model Law Structural Engineer (new standard)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201

Contact: *Stephanie Montgomery*

Phone: (703) 90-77700

Fax: (703) 907-7727

E-mail: smontgomery@tiaonline.org

BSR/TIA 41.372-E-201x, Mobile Application Part (MAP) - Border MSC SMS Scenarios (new standard)

Call for Members (ANS Consensus Bodies)

CSA is seeking industry experts (a minimum of 3 years industry experience) to work on the development of standards for alternative fuel vehicles, fueling stations and fuel cells.

We are looking for your help on the following technical committees:

Joint Harmonized Automotive Technical Committee

Scope: The Technical Committee shall be responsible for developing and maintaining standards related to vehicle components and fueling equipment /stations using compressed natural gas or hydrogen.

This Committee exercises general supervision of the preparation and revision of such standards for vehicle components and fueling equipment/stations by direction of activities of technical advisory groups, covering initiation of assignments, supervision of operations and final disposition of all standards developed.

Technical Committee on Fuel Cells

SCOPE: The Technical Committee shall be responsible for developing and maintaining standards related to fuel cell power system technologies for all fuel cell applications.

This Committee exercises general supervision of the preparation and revision of such standards for fuel cell power system technologies by direction of activities of technical advisory groups, covering initiation of assignments, supervision of operations and final disposition of all standards developed.

Contact Debbie Chesnik at Debbie.chesnik@csa-america.org or at 1-877-235-9791

CSA Standards

8501 E. Pleasant Valley Road

Independence OH 44131

Final actions on American National Standards

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

AGA (ASC Z380) (American Gas Association)

Addenda

ANSI/GPTC Z380.1-2009, Addendum 7-2011, Addenda to Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2009): 10/19/2011

ASME (American Society of Mechanical Engineers)

Reaffirmations

ANSI/ASME B89.7.3.1-2001 (R2011), Guidelines for Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications (reaffirmation of ANSI/ASME B89.7.3.1-2001 (R2006)): 10/19/2011

ASTM (ASTM International)

Revisions

ANSI/ASTM E1354-2011b, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2011): 10/15/2011

ANSI/ASTM E2102-2011a, Test Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater (revision of ANSI/ASTM E2102-2008): 10/15/2011

UL (Underwriters Laboratories, Inc.)

Reaffirmations

ANSI/UL 884-2007 (R2011), Standard for Safety for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2007): 10/20/2011

Revisions

* ANSI/UL 484-2011, Standard for Safety for Room Air Conditioners (revision of ANSI/UL 484-2009): 10/20/2011

* ANSI/UL 484-2011a, Standard for Safety for Room Air Conditioners (revision of ANSI/UL 484-2009): 10/20/2011

ANSI/UL 567-2011, Standard for Safety for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Petroleum Products and LP-Gas (revision of ANSI/UL 567-2010b): 10/21/2011

* ANSI/UL 987-2011, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2010a): 10/19/2011

* ANSI/UL 987-2011a, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2010a): 10/19/2011

ANSI/UL 60691-2011, Standard for Safety for Thermal-Links - Requirements and Application Guide (revision of ANSI/UL 60691 -2008): 10/20/2011

Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI ST15883-1-2006/A2-201x, Washer-disinfectors - Part 1: General requirements, terms and definitions and tests/Amendment 2 (addenda to ANSI/AAMI ST15883-1-2009)

Stakeholders: Manufacturers, user, institutions.

Project Need: To provide additional information to users on the Ao concept.

Provides information to the health care community regarding the application of the Ao concept for the thermal disinfection of medical devices including a discussion of the technical basis of the concept and comparison with established disinfection criteria.

BSR/AAMI/ISO 14708-3-201x, Implants for surgery - Active implantable medical devices - Part 3: Implantable neurostimulators (identical national adoption and revision of ANSI/AAMI/ISO 14708-3-2008)

Stakeholders: Manufacturers, regulators, users.

Project Need: To provide additional information regarding MRI compatibility.

Specifies particular requirements for active implantable medical devices intended for electrical stimulation of the central or peripheral nervous system, to provide basic assurance of safety for both patients and users. This standard amends and supplements ISO 14708-1: 2000.

BSR/AAMI/ISO 14708-4-201x, Implants for surgery - Active implantable medical devices - Part 4: Implantable infusion pump (identical national adoption and revision of ANSI/AAMI/ISO 14708-4-2008)

Stakeholders: Manufacturers, regulators, users.

Project Need: To provide additional information on MRI compatibility.

Specifies particular requirements for active implantable medical devices intended to deliver a medicinal substance to site-specific locations within the human body, to provide basic assurance of safety for both patients and users. This standard amends and supplements ISO 14708-1: 2000.

ASME (American Society of Mechanical Engineers)

Office: 3 Park Avenue, 20th Floor (20N2)
New York, NY 10016

Contact: *Mayra Santiago*

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME B18.5-2008, Round Head Bolts (Inch Series) (revision of ANSI/ASME B18.5-2008)

Stakeholders: Users, manufacturers, and those involved with the inspection of round head bolts.

Project Need: To update the standard to reflect the current state of the art.

Covers the complete general and dimensional data for the various types of inch series bolts generally classified as round head bolts and recognized as American National Standard. The inclusion of dimensional data in this Standard is not intended to imply that all of the products described are stock production sizes. Consumers should consult with manufacturers concerning availability of products.

BSR/ASME TDP-1-201x, Recommended Practices for the Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Fossil-Fueled Plants (revision of ANSI/ASME TDP-1 -2006)

Stakeholders: Nuclear electric generating equipment manufacturers, electric generating companies, government regulators.

Project Need: To keep TDP-1 up to date with the most current changes in the field of turbine water damage prevention.

Includes recommended practices concerned primarily with the prevention of water damage to steam turbines used for fossil-fuel-fired electric power generation. The practices address damage due to water, wet steam, and steam backflow into a steam turbine. The practices are applicable to conventional steam cycle, combined cycle, and cogeneration plants.

ECA (Electronic Components Association)

Office: 2500 Wilson Blvd, Suite 310
Arlington, VA 22201-3834
Contact: *Edward Mikoski*
Fax: (703) 875-8908
E-mail: emikoski@ecaus.org

BSR/EIA 970-201x, Test Procedure for High Frequency Characterization of Low Inductance Multilayer Ceramic Chip Capacitors (new standard)

Stakeholders: Consumer, telecom/datacom, automotive.

Project Need: To measure the S parameters of low-inductance multilayer ceramic capacitors when mounted in shunt on a probable low-inductance test fixture.

Characterizes low-inductance capacitors. The output of this specification is a frequency-independent lumped element representation of a capacitor consisting of three elements: equivalent series capacitance (ESC), equivalent series resistance (ESR), and equivalent series inductance (ESL), applicable in the range of 30 kHz to 3 GHz.

IEEE (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane
Piscataway, NJ 08854
Contact: *Lisa Yacone*
Fax: (732) 562-1571
E-mail: l.yacone@ieee.org

BSR/IEEE 802.1AXbq-201x, Local and Metropolitan Area Networks-Link Aggregation Amendment: Distributed Resilient Network Interconnect (addenda to ANSI/IEEE 802.1AX-2008)

Stakeholders: Developers, distributors, and users of networking equipment and services.

Project Need: To enhance Link Aggregation, its protocols, procedures and managed objects, to provide a resilient interconnect using multiple links among one or more nodes in a network and one or more nodes in another, separately administered, network.

Enhances Link Aggregation, its protocols, procedures and managed objects, to provide a resilient interconnect using multiple links among one or more nodes in a network and one or more nodes in another, separately administered, network. The Distributed Resilient Network Interconnect (DRNI) preserves the Link Aggregation model of establishing a single logical link consisting of multiple links, and will be backward compatible with existing conformant implementations of Link Aggregation. The DRNI will specify a means to ensure that frames belonging to any given service will use the same physical path in both directions between the two networks.

BSR/IEEE 802.1ASbt-201x, Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks - Amendment: Enhancements and performance improvements (new standard)

Stakeholders: Manufacturers, distributors, and users of LAN equipment intended to be used in time-sensitve applications.

Project Need: To support A/V applications, the enhancements described in the scope will allow the standard to be used more effectively for a greater variety of applications and with a greater variety of network media and configurations.

Specifies enhancements to IEEE Std 802.1AS that are backward compatible with the features defined in the 2011 version of the standard, including, if necessary, a means of version discovery.

BSR/IEEE 802.1BR-201x, Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Bridge Port Extension (new standard)

Stakeholders: Developers, distributors, and users of networking services and equipment for data center environments.

Project Need: Management of large networks is highly complex. This complexity may be reduced by aggregating the more complex bridging functions onto fewer bridges and by collapsing bridge layers from a management perspective.

Specifies the devices, protocols, procedures, and managed objects necessary to extend a bridge and its management beyond its physical enclosure using 802 LAN technologies.

BSR/IEEE 802.1AS-2011/Cor 1-201x, Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks - Corrigendum 1: Technical and editorial corrections (new standard)

Stakeholders: Manufacturers, distributors, and users of LAN equipment intended to be used in time-sensitve applications.

Project Need: While the errors, bugs, ambiguities, and inconsistencies that this PAR will correct are minor, their presence in the document can cause confusion. Correcting them will improve the clarity of the document for the reader.

Corrects minor errors, bugs, ambiguities, and inconsistencies that were missed when the document was balloted. This corrigendum does not contain new material.

BSR/IEEE 802.3bj-201x, Information Technology - Telecommunications and Information Exchange Between Systems - LAN/MAN -Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables (addenda to ANSI/IEEE 802.3 -2009)

Stakeholders: Users and producers of systems and components for servers, network storage, networking systems.

Project Need: Rapid growth of server, network, and internet traffic is driving the need for higher data rates over backplanes and high density, low cost twin-axial copper cables. IEEE Std 802.3 does not currently support 100-Gb/s operation on backplane media.

Specifies additions to and appropriate modifications of IEEE Std 802.3 to add 100-Gb/s 4-lane Physical Layer (PHY) specifications and management parameters for operation on backplanes and twin-axial copper cables.

BSR/IEEE 802.15.4m-201x, Local and Metropolitan Area Networks - Part 15.4: Low Rate Wireless Personal Area Networks (LR-WPANs - Amendment: TV White Space between 54 MHz and 862 MHz Physical Layer (addenda to ANSI/IEEE 802.15.4-2006)

Stakeholders: Communication device manufacturers and users, utility service providers, Infrastructure operators.

Project Need: There are many instances in large area device command and control applications where infrastructure requirements need to be minimized for effective deployment. These needs are effectively served by the ability to operate 802.15.4 class networks in the TV white-space spectrum.

Specifies a physical layer for 802.15.4, meeting TV white-space regulatory requirements in as many regulatory domains as practical and also any necessary Media Access Control (MAC) changes needed to support this physical layer. The amendment enables operation in the VHF/UHF TV broadcast bands between 54 MHz and 862 MHz, supporting typical data rates in the 40 kbits per second to 2000 kbits per second range, to realize optimal and power-efficient device command and control applications.

BSR/IEEE 802.22a-201x, Information Technology - Telecommunications and information exchange between systems - Wireless Regional Area Networks (WRAN)--Specific requirements Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands - Amendment: Management and Control Plane Interfaces and Procedures and enhancement to the Management Information Base (MIB) (new standard)

Stakeholders: Manufacturers and users of IEEE Std 802.22-2011 devices.

Project Need: To extend upon the IEEE Std 802.22-2011 in enhancing the Management Information Base (MIB) definitions and to create a new Management and Control Plane Interfaces and Procedures.

Defines a new clause for Management and Control Plane Interfaces and Procedures to the existing IEEE Std 802.22-2011 for operation in VHF/UHF TV broadcast bands between 54 MHz and 862 MHz. The Management Information Base (MIB) structure enhancements include changes to comply with the ASN.1 format and support for the new clause. Modifications to the existing clause on Primitives for Cognitive Radio Capabilities to align it with the content in the MIB clause and the new clause are also defined.

BSR/IEEE 1722a-201x, Layer 2 Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network - Amendment 1: Extensible Streaming Formats (new standard)

Stakeholders: Developers and users of bridged LAN and end-point systems.

Project Need: IEEE 1722-2011 has experienced rapid adoption in applications that stream audio/video. There is significant end-user and vendor interest in providing additional media formats that are not currently in the IEEE 1722 defined set of supported formats.

Specifies extensions to IEEE 1722-2011 to add extensible streaming formats that support media types that are not included in the previous standard, define media clock selection and synchronization services, and define diagnostic variables.

BSR/IEEE 1904.1-Conformance01-201x, Standard for Conformance Test Procedures for Service Interoperability in Ethernet Passive Optical Networks, IEEE Std 1904.1 Package A (new standard)

Stakeholders: Communication system and component vendors, test laboratories, telecommunications carriers, and MSOs.

Project Need: To create a comprehensive suite of tests that can be used by equipment manufacturers, network operators, and independent test facilities to determine P1904.1, Package A compliance in a uniform and consistent way.

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

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

Stakeholders: Communication system and component vendors, test laboratories, telecommunications carriers, and MSOs.

Project Need: To create a comprehensive suite of tests that can be used by equipment manufacturers, network operators, and independent test facilities to determine P1904.1, Package B compliance in a uniform and consistent way.

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

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

Stakeholders: Communication system and component vendors, test laboratories, telecommunications carriers, and MSOs.

Project Need: To create a comprehensive suite of tests that can be used by equipment manufacturers, network operators, and independent test facilities to determine P1904.1, Package C compliance in a uniform and consistent way.

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

BSR/IEEE 29119-1-201x, Standard for Software and Systems Engineering - Software Testing - Part 1: Concepts and Definitions (new standard)

Stakeholders: Software engineers, systems engineers, and the organizations that employ them or buy their products.

Project Need: To support the harmonization of the software and systems engineering standards of IEEE and ISO/IEC JTC 1/SC 7 so that users are free to choose standards from either collection without fear of contradiction.

Covers the testing of software-intensive systems. This standard supports testing across the entire software development lifecycle, from static testing of requirements, specifications and other documentation, unit or component testing that is typically carried out by developers, integration testing of program modules, system testing of integrated systems, and user acceptance testing that is usually carried out by end-users. It also supports testing during maintenance cycles that typically occur after release.

BSR/IEEE 29119-2-201x, Standard for Software and Systems Engineering - Software Testing - Part 2: Test Process (new standard)

Stakeholders: Software engineers, systems engineers, and the organizations that employ them or buy their products.

Project Need: To support the harmonization of the software and systems engineering standards of IEEE and ISO/IEC JTC 1/SC 7 so that users are free to choose standards from either collection without fear of contradiction.

Covers software testing processes, for use by any organization, project, or smaller testing activity (e.g., a maintenance testing activity). Testing processes (both prescriptive and exploratory), that support all software development lifecycle models, including (but not limited to) waterfall, spiral and agile models of development are supported by this standard. This part, ISO/IEC 29119-2 Test Process, comprises test process descriptions and diagrams that define the software testing processes for use by any organization, project, team, or individual.

BSR/IEEE 29119-3-201x, Standard for Software and Systems Engineering - Software Testing - Part 3: Test Documentation (new standard)

Stakeholders: Software engineers, systems engineers, and the organizations that employ them or buy their products.

Project Need: To support the harmonization of the software and systems engineering standards of IEEE and ISO/IEC JTC 1/SC 7 so that users are free to choose standards from either collection without fear of contradiction.

Covers software test documentation templates and content for use by any organization and/or project. This standard defines the use and contents of software test documentation used throughout the defined multi-layer test process. Test documentation is identified for the three layers of the test process: Organizational Test Process; Test Management Processes; Dynamic Test Processes.

BSR/IEEE 29119-4-201x, Standard for Software and Systems Engineering - Software Testing - Part 4: Test Techniques (new standard)

Stakeholders: Software engineers, systems engineers, and the organizations that employ them or buy their products.

Project Need: To support the harmonization of the software and systems engineering standards of IEEE and ISO/IEC JTC 1/SC 7 so that users are free to choose standards from either collection without fear of contradiction.

Supports test case design and execution during any phase or type of testing (e.g., unit, integration, system, acceptance, performance, usability, reliability).

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Norcross, GA 30092

Contact: *Charles Bohanan*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 271 om-xx, Fiber length of pulp and paper by automated optical analyzer using polarized light (new standard)

Stakeholders: Manufacturers, consumers or converters, and suppliers of pulp, paper, packaging, or related products.

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

Describes an automated method by which the numerical and weighted average fiber lengths and fiber length distributions of pulp and paper can be measured using light polarizing optics in the range of 0.1 mm to 7.2 mm.

BSR/TAPPI T 282 om-xx, Hexeneuronic acid content of chemical pulp (new standard)

Stakeholders: Manufacturers, consumers or converters, and suppliers of pulp, paper, packaging, or related products.

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

Describes a procedure to determine hexeneuronic acid groups (HexA) in chemical pulps. HexA affects the kappa number determination by reaction with permanganate, and can react with certain bleaching chemicals (e.g., chlorine dioxide and ozone), but not with some others such as oxygen and peroxide.

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201

Contact: *Stephanie Montgomery*

Fax: (703) 907-7727

E-mail: smontgomery@tiaonline.org

BSR/TIA 41.372-E-201x, Mobile Application Part (MAP) - Border MSC SMS Scenarios (new standard)

Stakeholders: Mobile, Interface telecommunications.

Project Need: To add a part to provide additional technical information in TIA-41 suite of standards.

Depicts the interactions between network entities in various situations related to the delivery of SMS messages to an MS that responds to a page in a Border MSC.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide 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)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- 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)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- 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)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at www.ansi.org/publicreview.

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
Association for the Advancement of Medical Instrumentation
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8274
Fax: (703) 276-0793
Web: www.aami.org

ADA (Organization)
American Dental Association
211 E. Chicago Ave
Chicago, IL 60611
Phone: (312) 440-2533
Fax: (312) 440-2529
Web: www.ada.org

AGA (ASC Z223)
American Gas Association
400 North Capitol Street, NW
Washington, DC 20001
Phone: (202) 824-7312
Fax: (202) 824-9122
Web: www.aga.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
3 Park Avenue, 20th Floor (20N2)
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9696
Fax: (610) 834-7067
Web: www.astm.org

AWS
American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126
Phone: (305) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

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

ECA
Electronic Components Association
2500 Wilson Blvd, Suite 310
Arlington, VA 22201-3834
Phone: (703) 907-8023
Fax: (703) 875-8908
Web: www.eia.org

FCI
Fluid Controls Institute
1300 Sumner Ave.
Cleveland, OH 44115
Phone: (216) 241-7333
Fax: (216) 241-0105
Web: www.fluidcontrolsinstitute.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777 Ext 104
Fax: (734) 677-6622
Web: www.hl7.org

IEEE
Institute for Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-6003
Fax: (732) 562-1571
Web: www.ieee.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

NCEES
National Council of Examiners for Engineering and Surveying
P.O. Box 1686
280 Seneca Creek Road
Clemson, SC 29633-1686
Phone: (864) 654-6824
Fax: (864) 654-6033
Web: www.ncees.org

NSF
NSF International
P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6806
Fax: (734) 827-6831
Web: www.nsf.org

PRCA
Professional Ropes Course Association
6260 East Riverside Boulevard #104
Rockford, IL 61114
Phone: (815) 986-7776
Fax: (815) 637-2964
Web: www.prcainfo.org

SLAS
Society for Laboratory Automation and Screening
100 Illinois Street, 242
St. Charles, Illinois 60174
Phone: (630) 256-7527
Fax: (630) 741-7527
Web: www.slas.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Norcross, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association
2500 Wilson Blvd., Suite 300
Arlington, VA 22201
Phone: (703) 90-77700
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3416
Fax: (847) 313-3416
Web: www.ul.com/

VITA
VMEbus International Trade Association (VITA)
PO Box 19658
Fountain Hills, AZ 85269
Phone: (480) 837-7486
Fax: (480) 837-7486
Web: www.vita.com/

ISO Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to Karen Hughes, at ANSI's New York offices (isot@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 5526, Cereals, pulses and other food grains - Nomenclature - 1/20/2012, $93.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 16701, Corrosion of metals and alloys - Corrosion in artificial atmosphere - Accelerated corrosion test involving exposure under controlled conditions of humidity cycling and intermittent spraying of a salt solution - 1/20/2012, $62.00

ISO/DIS 7539-1, Corrosion of metals and alloys - Stress corrosion testing - Part 1: General guidance on testing procedures - 1/20/2012, $77.00

FIRE SAFETY (TC 92)

ISO/DIS 19701, Methods for sampling and analysis of fire effluents - 1/25/2012, $165.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 8528-5, Reciprocating internal combustion engine driven alternating current generating sets - Part 5: Generating sets - 1/26/2012, $102.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 14889, Ophthalmic optics - Spectacle lenses - Fundamental requirements for uncut finished lenses - 1/20/2012, $53.00

ROLLING BEARINGS (TC 4)

ISO/DIS 3228, Rolling bearings - Cast and pressed housings for insert bearings - Boundary dimensions and tolerances - 1/21/2012, $67.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 30004, Ships and marine technology - Ship recycling management systems - Guidelines for the implementation of ISO 30000 - 1/26/2012, $112.00

STEEL (TC 17)

ISO/DIS 16162, Cold-rolled steel sheet products - Dimensional and shape tolerances - 1/21/2012, $33.00

ISO/DIS 16163, Continuously hot-dipped coated steel sheet products - Dimensional and shape tolerances - 1/21/2012, $46.00

TEXTILES (TC 38)

ISO/DIS 13015, Woven fabrics - Distortion - Determination of skew and bow - 1/20/2012, $53.00

WATER QUALITY (TC 147)

ISO/DIS 14189, Water quality - Enumeration of Clostridium perfringens - Method using membrane filtration - 1/21/2012, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 17826, Information technology - Cloud Data Management Interface (CDMI) - 1/21/2012, $203.00

Newly Published ISO Standards

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

ISO/IEC JTC 1, Information Technology

ISO/IEC 19794-4/Cor1:2011, Information technology - Biometric data interchange formats - Part 4: Finger image data - Corrigendum 1, FREE

ISO/IEC 14776-372:2011, Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2), $206.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 8625-4:2011, Aerospace - Fluid systems - Vocabulary - Part 4: General terms and definitions relating to control/actuation systems, $80.00

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

ISO 19892:2011, Plastics piping systems - Thermoplastics pipes and fittings for hot and cold water - Test method for the resistance of joints to pressure cycling, $43.00

ROAD VEHICLES (TC 22)

ISO 13400-1:2011, Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 1: General information and use case definition, $86.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 2921:2011, Rubber, vulcanized - Determination of low-temperature retraction (TR test), $57.00

ISO 8511:2011, Rubber compounding ingredients - Carbon black - Determination of pellet size distribution, $49.00

TIMBER STRUCTURES (TC 165)

ISO 8969:2011, Timber structures - Testing of punched metal plate fasteners and joints, $104.00

WATER QUALITY (TC 147)

ISO 13162:2011, Water quality - Determination of carbon 14 activity - Liquid scintillation counting method, $104.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4946.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

Viewray

Public Review: October 7, 2011 to January 3, 2012

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

The INCITS Executive Board seeks to broaden its membership base and is recruiting new participants in the following membership categories:

- special interest (user, academic, consortia)
- non-business (government and major/minor SDOs)

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

Call for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI-ASQ National Accreditation Board (ANAB)

ISO 9001 Quality Management Systems

Notice of Accreditation

Certification Body

RINA Services S.p.A.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 9001 Quality Management Systems:

RINA Services S.p.A.
Via Corsica, 12 – 16128
Genoa, Italy
www.rina.org
Valerio Paoletti
Phone: 39 10 5385358
E-mail: valerio.paoletti@rina.org

ISO 14001 Environmental Management Systems

Notice of Accreditation

Certification Body

RINA Services S.p.A.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 14001 Environmental Management Systems:

RINA Services S.p.A.
Via Corsica, 12 – 16128
Genoa, Italy
www.rina.org
Valerio Paoletti
Phone: 39 10 5385358
E-mail: valerio.paoletti@rina.org

BS OHSAS 18001 Occupational Health and Safety Management Systems

Notices of Accreditation

Certification Bodies

AJA Registrars Ltd.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for BS OHSAS 18001 Occupational Health and Safety Management Systems:

AJA Registrars Ltd.
Unit 6, Gordano Court
Gordano Gate Business Park
Portishead, Bristol BS20 7FS
United Kingdom
www.ajaregistrars.co.uk
Paul French
Phone: 44 1275 849 198
E-mail: enquiries@ajaregistrars.co.uk

RINA Services S.p.A.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for BS OHSAS 18001 Occupational Health and Safety Management Systems:

RINA Services S.p.A.
Via Corsica, 12 – 16128
Genoa, Italy
www.rina.org
Valerio Paoletti
Phone: 39 10 5385358
E-mail: valerio.paoletti@rina.org

ISO 22000 Food Safety Management Systems

Notice of Accreditation

Certification Body

RINA Services S.p.A.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 22000 Food Safety Management Systems:

RINA Services S.p.A.
Via Corsica, 12 – 16128
Genoa, Italy
www.rina.org
Valerio Paoletti
Phone: 39 10 5385358
E-mail: valerio.paoletti@rina.org

ISO/IEC 27001 Information Security Management Systems

Notice of Accreditation

Certification Body

RINA Services S.p.A.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO/IEC 27001 Information Security Management Systems:

RINA Services S.p.A.
Via Corsica, 12 – 16128
Genoa, Italy
www.rina.org
Valerio Paoletti
Phone: 39 10 5385358
E-mail: valerio.paoletti@rina.org

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 96 – Cranes

ANSI has been informed by BSI (United Kingdom), the ISO delegated secretariat, that they wish to relinquish the role of the secretariat (and hence, SC 3 – Selection of wire ropes, and SC 8 – Jib cranes). ISO/TC 96 operates under the following scope:

> Standardization in the field of cranes and related equipment which suspend loads by means of a load-handling device, particularly in respect of terminology, load rating, testing, safety, general design principles, maintenance, operation and load lifting attachments.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO/TC 34/SC 9 – Microbiology

Comment Deadline: November 28, 2011

The American National Standards Institute (ANSI), with technical and financial support from the U.S. Food and Drug Administration, has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO/TC 34/SC 9, Microbiology, and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Mr. Henry Cheung, Program Administrator, ANSI, 25 West 43 Street, 4th Floor, New York, NY 10036; PHONE: (212) 642-4975; FAX: (212) 840-2298; Email: HCheung@ANSI.org. Please forward any comments on this application to ANSI, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (fax: 212.840-2298; Email: jthompso@ansi.org) by November 28, 2011.

BSR/NCEES MLSE 3-201x

Standards for Licensure as a Model Law Structural Engineer

1.1 Scope, purpose, need, and application

The scope of the standard covers the requirements for a Model Law Structural Engineer. These standards have been vetted by the engineering community and are used to assess candidate qualification for professional licensure. It is the intention of NCEES to formalize these standards via the ANSI process.

The purpose of the standard is to provide guidance for uniform measures of competency as a Model Law Structural Engineer in the practice of structural engineering for protection of the public. The standard is formulated to facilitate adoption by regulatory bodies at the state, territory, and federal levels. Uniform guidelines for structural engineering practice are needed to better assure the public that individuals engaged in projects requiring structural engineering training and education are qualified to do such work. Structural engineering is the application of specialized engineering knowledge and experience for the design and analysis of bridges, buildings, and other structures that are constructed or rehabilitated to resist forces induced by vertical and horizontal loads of a static and dynamic nature. This specialized knowledge includes familiarity with scientific and mathematical principles, experimental research data, and practical construction methods and processes. The design and analysis shall include the consideration of stability, deflection, stiffness, and other structural phenomena that affect the behavior of the bridge, building, or other structure. Because the public uses structural engineering services and their products, it is important that the regulatory community seek comity in standards to provide uniformity in criteria for the practice of structural engineering to protect the public and its trust of structural-engineered systems. The widespread adoption of such uniform standards will promote public safety and simplify cross-boundary and multijurisdictional licensure of structural engineers.

Deleted: Uniformity of

Deleted: is needed in

Deleted: persons

Deleted: the design, analysis or supervising of the construction, enlargement or alteration of structures or any part thereof

Deleted: Structures are all constructed assemblages having as essential features foundations, columns, girders, trusses, arches, walls, beams and/or cables with or without other parts,

Deleted: in which safe

Deleted: construction require

Deleted: and stresses be computed and the size

Deleted: strength of parts determined by

Deleted: calculations based on scientific

Deleted: .

Deleted: are used by the public

Deleted: multi-jurisdictional

Deleted: .¶

1.2 Specifications

This standard specifies the criteria for a Model Law Structural Engineer. Such criteria provide for the public safety in the practice of structural engineering and include standards for uniformity in the education, experience, and examination requirements of candidates for structural engineering licensure. The standard provides the recommended procedures and criteria for demonstrating professional competency in structural engineering practice. Research conducted by NCEES clearly indicates that these specifications, which consist of a combination of education, experience, and examination, are needed to complete the requirements for competency in structural engineering practice.

The standard specifies that to practice the profession of structural engineering as a Model Law Structural Engineer, the following minimum requirements must be met by each individual who is a candidate for licensure.

Education

A candidate must graduate from an engineering program accredited by the Engineering Accreditation Commission of ABET, Inc. (EAC/ABET). ABET, Inc., is the nationally recognized accrediting organization for engineering and technology curricula. A candidate must pass a minimum of 18 semester (27 quarter) hours of structural analysis and design courses. At least 9 of the semester (14 quarter) hours must be structural design courses.

Examinations

A candidate must pass the NCEES Fundamentals of Engineering (FE) examination and professional structural examinations as defined in the *NCEES Model Rules*.

Work experience
A candidate must complete acceptable structural engineering experience as defined in the *NCEES Model Rules.*

After completing the requirements above, a candidate is eligible for licensure by a jurisdictional licensing board. Once the candidate is granted licensure, he or she may use the distinguished designation Professional Engineer, or P.E., and/or Structural Engineer, or S.E., where required or permitted by jurisdictions.

Model Law Structural Engineer Designation
Once an individual has obtained licensure in at least one jurisdictional licensing board, he or she is eligible for the designation Model Law Structural Engineer. To maintain Model Law Structural Engineer status, the individual must maintain a record clear of disciplinary action.

2. Referenced publications

Users of the standard are to reference the latest editions of the following NCEES documents for updates and specifications: *Model Law*, *Model Rules*, *Manual of Policy and Position Statements*.

These publications are produced by NCEES and are available for download from its Web site (www.ncees.org); by writing to NCEES at P.O. Box 1686, Clemson, SC 29633-1686; or by phoning NCEES at 800-250-3196.

3. Definitions

NCEES: The National Council of Examiners for Engineering and Surveying is a national non-profit organization composed of engineering and surveying licensing boards representing all U.S. states, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. NCEES is the ANSI-approved standards development officer (SDO) for standards in the field of professional credentialing in engineering and surveying.

Licensure: The process of qualifying persons for practice as mandated by individual jurisdictional law and in legally recognized professions

Professional Engineer: The designation legally signifying a person who has been duly licensed by a U.S. jurisdiction to offer or provide engineering services to the general public

Model Law Structural Engineer: The designation signifying a person who has been qualified through this standard and who has obtained licensure as a Structural Engineer in at least one jurisdiction

4. Metric

The metric system is used in the majority of assessments referred to in this NCEES standard. NCEES standards will use the metric system where it is compatible with the systems in effect that govern the practice of engineering.

5. Review

The ANSI Standards Task Force of NCEES has reviewed this standard and determined that it is technically sound and valid for publication to interested parties.

6. Codes

There are no codes required as reference for users of this standard.

Standard for Industrial Control Equipment, UL 508

PROPOSAL

45.7 Air core type reactors are to be used to obtain the reactive power factor specified in Table 45.1. Reactors may be connected in parallel. No reactor is to be connected in parallel with a resistor.

Exception No. 1: An air-core reactor in any phase may be connected in parallel with a resistor (R_{SH}) if the resistor power consumption is approximately 1 percent of the total power consumption in that phase calculated in accordance with the following formula:

$$R_{SH} = [100(1/PF - PF)]E/I$$

in which:

PF is the power factor;

E is the closed-circuit phase voltage; and

I is the phase current.

Exception No. 2: Iron-core reactors may be used provided that the sine-wave ~~form~~ shape for the test load current at maximum is such that the ratio of peak-to-rms values is equal to 1.414 ±5 percent (essentially sinusoidal), or has a Total Harmonic Distortion (THD) of 5% maximum to verify the absence of magnetic saturation of the core. This requirement applies to both make and break load currents.

PROPOSAL FOR UL 746B

10.1.4 The results of Tensile, Charpy or Izod Impact testing of standard specimens in either the nominal 3 mm or 4 mm thickness, as appropriate for the specified test method, can be considered representative of the testing of reduced thicknesses provided such reduced thicknesses have been evaluated for non-impact mechanical properties. The assigned Measured Relative Tthermal Iindices for impact properties in the reduced thicknesses shall be lowered by an offset equal to the corresponding lower offset, if any, of the Measured Relative Tthermal Iindices of the non-impact properties at the reduced thicknesses. It is appropriate to consider temperature interval classification in 21.1 while assigning the RTI-impact values at . Table 10.2 illustrates a hypothetical example of this offset.

~~Table 10.2 (old)~~

~~Example of applying offset principle to assigning impact ratings~~

~~RTI~~			
~~Min. thick. (mm)~~	~~Elec~~	~~Imp~~	~~Str~~
~~0.75[c]~~	~~130[a]~~	~~75[b]~~	~~90[a]~~
~~1.5~~	~~130~~	~~80[b]~~	~~95[a]~~
~~3.0~~	~~130~~	~~90[a]~~	~~105[a]~~
~~[a] Thermal indices assigned based on actual testing at thicknesses.~~			
~~[b] Thermal indices assigned based on the results of testing the 3.0 mm or 4.0 mm thickness, reduced by the corresponding offsets of 105° - 95° = 10°C and 105° - 90° = 15°C for the 1.5 and 0.75 mm thicknesses respectively.~~			
~~[c] Offset principle for impact ratings also applies to minimum thicknesses less than 0.75mm provided that they have been tested to Table 10.2 requirements.~~			

Table 10.2 (new)

Example of applying offset principle to assigning impact ratings

	Measured Relative Thermal Indices			Assigned Relative Thermal Indices		
Min. thick. (mm)	Elec	Imp	Str	Elec	Imp	Str
0.75[c]	245[a]	169[b]	231[a]	240[d]	165[d]	230[d]

1.5	245	171[b]	233[a]	240[d]	170[d]	230[d]
3.0	245	183[a]	245[a]	240[d]	180[d]	240[d]

[a] Measured Relative Thermal Indices assigned based on actual testing at thicknesses.

[b] Measured Relative Thermal Indices assigned based on the results of testing the 3.0 mm or 4.0 mm thickness, reduced by the corresponding offsets of 245°C - 233°C = 12°C and 245°C - 231°C = 14°C at 1.5 and 0.75 mm, respectively.

[c] Offset principle for impact ratings also applies to minimum thicknesses less than 0.75 mm provided that they have been tested to Table 10.2 requirements.

[d] Relative Thermal Indices assigned for a given grade based on the calculated Measured Relative Thermal Indices at different thicknesses considering the temperature interval classification mentioned in 21.1.

21 Assignment of Temperature Classifications

21.1 The relative thermal index of insulation materials is to be assigned in accordance with the following standard temperature classifications:

a) 5℃ (9℉) increments up to ~~130℃ (266℉)~~180° C (356℉).

b) 10℃ (18℉) increments f~~rom 130℃ (266℉) th rough 180℃ (356℉)~~ over 180℃ (356℉).

~~*Exception: Includes 155℃ (311℉).*~~

~~c) 20℃ (36℉) increments over 180℃ (356℉).~~

~~*Exception: Includes 190℃ (374℉) and 210℃ (410℉) providing that the temperature differential of the test ovens are within 3.0℃ (5.4℉) of the nominal oven aging temperature.*~~

Proposal for BSR/UL 796

Revision of Dimensions of Thicknesses in Table 9.2

PROPOSAL

Table 9.2

Base material sample build up thickness tolerance

Laminate nominal thickness,		Thickness tolerance,	
mm	**(in)**	**mm**	**(in)**
Less than 0.020	(Less than 0.0008)	± 0.003	(± 0.0001)
≥ 0.020 - ≦ ≤ 0.074	(≥ 0.008 - ≦ ≤ 0.003)	± 0.010	(± 0.0004)
≥ 0.074 - ≦ ≤ 0.099	(≥ 0.003 - ≦ ≤ 0.004)	± 0.013	(± 0.0005)
≥ 0.099 - ≦ ≤ 0.19	(≥ 0.004 - ≦ ≤ 0.007)	± 0.02	(± 0.0008)
≥ 0.19 - ≦ ≤ 0.37	(≥ 0.007 - ≦ ≤ 0.015)	± 0.03	(± 0.0012)
≥ 0.37 - ≦ ≤ 0.49	(≥ 0.015 - ≦ ≤ 0.019)	± 0.04	(± 0.0016)
≥ 0.49 - ≦ ≤ 0.62	(≥ 0.019 - ≦ ≤ 0.024)	± 0.05	(± 0.0019)
≥ 0.62 - ≦ ≤ 1.59	(≥ 0.024 - ≦ ≤ 0.062)	± 0.08	(± 0.0031)
≥ 1.59 - ≦ ≤ 2.54	(≥ 0.062 - ≦ ≤ 0.100)	± 0.10	(± 0.004)
Greater than 2.54	(Greater than 0.100)	± 0.13	(± 0.005)

BSR/UL 1917

PROPOSAL

41.1 Speed controls shall be plainly marked with:

a) The manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified-hereinafter referred to as the manufacturer's name;

b) The electrical rating; and

c) The catalog number or equivalent.

All markings shall be in a location that is visible ~~after~~ during installation.

~~41.2 Wall box mounted units shall be provided with the electrical rating marking in a location that is visible after installation. The side of the unit within 1/4 inch (6.35 mm) of the yoke is considered visible as specified in 41.1.~~

~~41.3 The marking required by 41.1 is not required to be located on the outside of an enclosure provided it is readily visible by opening a door or removing a cover after installation.~~