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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

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

## Comment Deadline: April 12, 2009

### NFSI (National Floor Safety Institute)

#### New Standards

BSR/NFSI B101.1-200x, Test Method for Measuring Wet SCOF of Common Hard-Surface Floor Materials (new standard)

Specifies the procedures and device used for both laboratory and field testing to measure the wet SCOF of common hard-surface floor materials.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Russell Kendzior, (817) 749-1705, russk@nfsi.org

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 109-200x, Standard for Safety for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use (revision of ANSI/UL 109-2004)

Submits proposal (dated 3-13-09) for revisions that limit the scope of the standard by excluding ethanol and biofuels. Additional editorial revisions are being proposed.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Paul Lloret, (408) 754-6618, Paul.E.Lloret@us.ul.com

BSR/UL 1286-200x, Standard for Safety for Office Furnishings (revision of ANSI/UL 1286-2008)

Adds requirements for a new method of outlet design.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

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

## Comment Deadline: April 27, 2009

### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoptions

BSR/AAMI/IEC 60601-2-25-200x, Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs (identical national adoption and revision of ANSI/AAMI EC11-1991 (R2007))

Specifies basic safety and essential performance requirements for electrocardiographs, recording and analyzing single-channel and multichannel electrocardiographs intended for the production of detachable electrocardiograms for diagnostic purposes. This particular standard also applies to vector cardiographs and medical electrical equipment for exercise testing.

Single copy price: \$25.00/\$20.00 (AAMI members)

Obtain an electronic copy from:  
<http://marketplace.aami.org/eseries/ScriptContent/Index.cfm>

Order from: [www.aami.org](http://www.aami.org)

Send comments (with copy to BSR) to: Hae Choe, (703) 525-4890 x213, hchoe@aami.org

### AGA (ASC Z380) (American Gas Association)

#### Revisions

BSR/GPTC Z380.1-2009 TR03-19-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in section 192.3, Definitions - Curb Valve; Customer Meter; Service-line valve. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR03-45-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in sections 192.3, 192.613 and Appendix GMA G-192-1 on stress corrosion cracking surveillance. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR04-61-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in sections 192.3 and 192.612 on underwater pipelines. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR05-10-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in sections 192.614, 192.615 and 192.616 on API 1162 guidance. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR07-01-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in sections 192.281, 192.283 and 192.614 on compaction of backfill and heat butt-fusion joints. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR07-12-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in Appendix GMA G-192-11 and G-192-11A on sewer and duct readings. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, [pcabot@aga.org](mailto:pcabot@aga.org)

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR08-02-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in section 192.465 on qualified corrosion personnel. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, [pcabot@aga.org](mailto:pcabot@aga.org)

Send comments (with copy to BSR) to: Same

BSR/GPTC Z380.1-2009 TR08-07-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI/GPTC Z380.1-2009)

Revises Guide Material in section 192.279 and Appendix GMA G-192-1 on ASME B16.5 reference. The standard provides guidance to operators of Natural Gas and LP pipelines and distribution systems regarding U.S. DOT regulations CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: [www.aga.org/gptc](http://www.aga.org/gptc)

Order from: Paul Cabot, (202) 824-7312, [pcabot@aga.org](mailto:pcabot@aga.org)

Send comments (with copy to BSR) to: Same

## ASA (ASC S12) (Acoustical Society of America)

### New Standards

BSR/ASA S12.60/Part 2-200x, Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 2: Relocatable Classroom Factors (new standard)

Provides a relocatable-classroom-specific supplemental version of ANSI S12.60. Includes siting requirements, acoustical performance criteria and design requirements for relocatable classrooms. This standard seeks to provide design flexibility without compromising goal of obtaining adequate speech intelligibility for students and teachers in learning spaces within the standard's scope.

Single copy price: \$120.00

Obtain an electronic copy from: Susan Blaeser

Order from: Susan Blaeser, (631) 390-0215, [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

Send comments (with copy to BSR) to: Same

## ASC X9 (Accredited Standards Committee X9, Incorporated)

### New Standards

BSR X9.97-1-200x, Secure Cryptographic Devices (Retail) - Part 1: Concepts, Requirements and Evaluation Methods (new standard)

Specifies the requirements for Secure Cryptographic Devices, which incorporate the cryptographic processes defined in ISO 9564, ISO 16609 and ISO 11566. This part has two primary purposes:  
(1) To state the requirements concerning both the operational characteristics of SCDs and the management of such devices throughout all stages of their life cycle; and  
(2) To standardize the methodology for verifying compliance with those requirements.

Single copy price: \$100.00

Obtain an electronic copy from: [janet.busch@x9.org](mailto:janet.busch@x9.org)

Order from: Janet Busch, (410) 267-7707, [janet.busch@x9.org](mailto:janet.busch@x9.org)

Send comments (with copy to BSR) to: Same

### New National Adoptions

BSR X9.97-2-200x, Secure Cryptographic Devices (Retail) - Part 2: Security Compliance Checklists for Devices Used in Financial Transactions (identical national adoption of ISO 13491-2)

Specifies checklists to be used to evaluate secure cryptographic devices (SCDs) incorporating cryptographic processes, as specified in parts 1 and 2 of ISO 9564, ISO 16609, and parts 1-6 of ISO 11568, in the financial services environment. This part does not address issues arising from the denial of service of an SCD.

Single copy price: \$100.00

Obtain an electronic copy from: [janet.busch@x9.org](mailto:janet.busch@x9.org)

Order from: Janet Busch, (410) 267-7707, [janet.busch@x9.org](mailto:janet.busch@x9.org)

Send comments (with copy to BSR) to: Same

## ASME (American Society of Mechanical Engineers)

### Addenda

BSR/ASME A17.1b-200x, Safety Code for Elevators and Escalators (addenda to ANSI/ASME A17.1-2007)

Develops, maintains and interprets safety codes and standards covering the design, construction, installation, operation, inspection, testing, maintenance, alteration, and repair of elevators, dumbwaiters, escalators, moving walks, and materials lifts.

Single copy price: Free

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Geraldine Burdeshaw, (212) 591-8523, [burdeshaw@asme.org](mailto:burdeshaw@asme.org)

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

### New National Adoptions

INCITS/ISO/IEC 19794-5-2005/AMD 1-200x, Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 1: Conditions for taking photographs for face image data (identical national adoption of ISO/IEC 19794-5:2005/Amd 1:2007)

Amends ISO/IEC 19794-5: 2005/Amendment 1: 2007, which specifies scene, photographic, digitization and format requirements for images of faces to be used in the context of both human verification and computer automated recognition.

Single copy price: \$122.00

Obtain an electronic copy from: <http://www.incits.org> or <http://webstore.ansi.org>

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihc.com](http://www.global.ihc.com)

Send comments (with copy to BSR) to: Barbara Bennett, (202) 626-5743, [bbennett@itic.org](mailto:bbennett@itic.org)

**Stabilized Maintenance: See 3.3.3 of the ANSI Essential**

BSR INCITS 154-1988 (S200x), Information technology - Office Machines and Supplies - Alphanumeric Machine - Keyboard Arrangement (stabilized maintenance of ANSI INCITS 154-1988 (R2004))

Describes the arrangement of the 48 basic keys on the keyboard and the uppercase and lowercase characters that appear on the keys. The character assignments are divided into five application areas, in recognition of the different graphic character requirements of each application.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [www.incits.org](http://www.incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org)

**NACE (NACE International, the Corrosion Society)****Reaffirmations**

BSR/NACE SP0204-2004 (R2008), Stress Corrosion Cracking (SCC) Direct Assessment Methodology (reaffirmation and redesignation of ANSI/NACE RP0204-2004)

Stress corrosion cracking direct assessment (SCCDA) is a structured process that is intended to assist pipeline companies in assessing the extent of stress corrosion cracking (SCC) on a section of buried pipeline and thus contribute to their efforts to improve safety by reducing the impact of external SCC on pipeline integrity. SCCDA is a continuous improvement process. Through successive applications, SCCDA should identify and address locations where SCC has occurred, is occurring, or might occur.

Single copy price: \$42.00 (List)/\$32.00 (NACE Members)

Obtain an electronic copy from: <http://web.nace.org/Departments/Store/Default.aspx>

Order from: NACE International

Send comments (with copy to BSR) to: Daniela Matthews, (281) 228-6287, [daniela.matthews@nace.org](mailto:daniela.matthews@nace.org)

**NSF (NSF International)****Revisions**

BSR/NSF 51-200x (i8), Food Equipment Materials (revision of ANSI/NSF 51-2007)

Issue 8 - To update the boilerplate changes in the family of food equipment standards. Additionally, changes to organic coatings were made relating to direct and non-direct food contact surfaces and an editorial correction. Revision 1 had comments on the organic coating issue presented. A task group meeting was held where the comments on the ballot were discussed. Those changes include adding a category for non-direct food contact surfaces and changing the test requirements for splash zones. A rationale statement was added to the ballot supporting these changes.

Single copy price: Free

Obtain an electronic copy from: [http://standards.nsf.org/apps/group\\_public/ballot.php?id=723](http://standards.nsf.org/apps/group_public/ballot.php?id=723)

Order from: Mindy Costello, (734) 827-6819, [mcostello@nsf.org](mailto:mcostello@nsf.org)

Send comments (with copy to BSR) to: Same

**SIA (ASC A92) (Scaffold Industry Association)****Revisions**

BSR/SIA A92.2-200x, Vehicle-Mounted Elevating and Rotating Aerial Devices (revision of ANSI/SIA A92.2-2001)

Applies to the establishment of criteria for design, manufacture, testing, inspection, installation, maintenance, use, training and operation of vehicle-mounted aerial devices primarily used to position personnel, installed on a chassis. The types of devices covered include extensible boom aerial devices, aerial ladders, articulating boom aerial devices, vertical towers or a combination of any of these.

Single copy price: \$45.00

Obtain an electronic copy from: [emily@scaffold.org](mailto:emily@scaffold.org)

Order from: Emily Bannwarth, (816) 595-4860, [emily@scaffold.org](mailto:emily@scaffold.org)

Send comments (with copy to BSR) to: Same

**TIA (Telecommunications Industry Association)****Reaffirmations**

BSR/TIA 102BAAA-A-2003 (R200x), Project 25 FDMA Common Air Interface (reaffirmation of ANSI/TIA 102BAAA-A-2003)

Covers all of the parts of a system for public safety land mobile radio communications. These systems have subscriber units (which include portable radios for hand held operation and mobile radios for vehicular operation), base stations (for fixed installations), and other fixed equipment (for wide-area operation and console operator positions), as well as computer equipment (for data communications). There are interfaces between each of these equipment items. The Common Air Interface allows these radios to send and receive digital information over a radio channel.

Single copy price: \$155.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

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

Send comments (with copy to BSR) to: Ronda Coulter, (703) 907-7974, [rcoulter@tiaonline.org](mailto:rcoulter@tiaonline.org)

**UL (Underwriters Laboratories, Inc.)****Revisions**

BSR/UL 1449-200x, Standard for Surge Protective Devices (revision of ANSI/UL 1449-2006)

The following topics from the September 5, 2008 ballot are being recirculated:

- (1) Glossary revisions;
- (2) Addition of SPD type designation;
- (4) Clarification for grounding requirement where a hinged cover is employed;
- (9) Revisions to the test methods for surge testing, Section 37; and
- (11) Revisions to the test methods for current testing, Section 39.

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 BSR) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@us.ul.com](mailto:Mitchell.Gold@us.ul.com)

BSR/UL 1692-200x, Standard for Safety for Polymeric Materials - Coil Forms (revision of ANSI/UL 1692-2004)

The following UL 1692 topics are being recirculated:

- (1) Major revisions to Sections 5 and 6; and
- (3) Adds fahrenheit temperature equivalents.

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 BSR) to: Raymond Suga, (631) 546-2593, [Raymond.M.Suga@us.ul.com](mailto:Raymond.M.Suga@us.ul.com)

## Comment Deadline: May 12, 2009

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

### ANS (American Nuclear Society)

#### Reaffirmations

BSR/ANS 55.1-1992 (R200x), Solid Radioactive Waste Processing System for Light Water Cooled Reactor Plants (reaffirmation of ANSI/ANS 55.1-1992 (R2000))

Sets forth the design, construction, and performance requirements for a solid radioactive waste processing system for light-water-cooled reactor plants. For the purposes of this standard, the solid radioactive waste processing system begins at the interface with the liquid radioactive waste processing system boundary and at the inlets to the spent resin, filter sludge, evaporator concentrate, and phase separator tanks. In addition, this standard pertains to dry active waste, mixed waste, and other solid radioactive waste forms that are generated as part of the operation and maintenance of light-water-cooled reactor plants.

Single copy price: \$117.00

Order from: Patricia Schroeder, (708) 579-8269, [pschroeder@ans.org](mailto:pschroeder@ans.org)

Send comments (with copy to BSR) to: Same

### ASME (American Society of Mechanical Engineers)

#### Reaffirmations

BSR/ASME B4.1-1967 (R200x), Preferred Limits and Fits for Cylindrical Parts (reaffirmation of ANSI/ASME B4.1-1967 (R2004))

Presents definitions of terms applying to fits between plain (non-threaded) cylindrical parts and makes recommendations on preferred sizes, allowances, tolerances, and fits for use wherever they are applicable.

Single copy price: \$30.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

BSR/ASME B4.2-1978 (R200x), Preferred Metric Limits and Fits (reaffirmation of ANSI/ASME B4.2-1978 (R2004))

Describes the ISO system of limits and fits for mating parts as it is approved for general engineering usage in the United States of America. It establishes:

- (1) the designation symbols used to define specific dimensional limits on drawings, material stock, related tools, gages, etc.;
- (2) the preferred basic sizes (first and second choices);
- (3) the preferred tolerance zones (first, second and third choices);
- (4) the preferred limits and fits for sizes (first choice only) up to and including 500 millimeters; and
- (5) the definitions of related terms.

Single copy price: \$45.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

BSR/ASME Y14.4M-1989 (R200x), Pictorial Drawing (reaffirmation of ANSI/ASME Y14.4M-1989 (R2004))

Establishes the definitions for and illustrates the uses of various kinds of three-dimensional-view pictorial mechanical drawings. This standard also addresses the kinds of pictorial views commonly used on engineering drawings. Methods of constructing the different kinds of pictorial drawings are beyond the scope of this Standard. Methods are described in detail in engineering drawing textbook.

Single copy price: \$39.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

BSR/ASME Y14.24M-1999 (R200x), Types and Applications of Engineering Drawings (reaffirmation of ANSI/ASME Y14.24M-1999 (R2004))

Defines the types of engineering drawings most frequently used to establish engineering requirements. This standard describes typical applications and minimum content requirements. Drawings for specialized engineering disciplines (e.g., marine, civil, construction, optics, etc.) are not included in this standard.

Single copy price: \$99.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

BSR/ASME Y14.100-2004 (R200x), Engineering Drawing Practices (reaffirmation of ANSI/ASME Y14.100-2004)

Establishes the essential requirements and reference documents applicable to the preparation and revision of engineering drawings and associated lists. It is essential that this standard be used in close conjunction with ASME 14.24, ASME Y14.34M, and ASME Y14.35M.

Single copy price: \$99.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

BSR/ASME Y32.7-1972 (R200x), Graphic Symbols for Railroad Maps and Profiles (reaffirmation of ANSI/ASME Y32.7-1972 (R2004))

Provides graphic symbols for railroad maps and profiles.

Single copy price: \$29.00

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomez@asme.org](mailto:gomez@asme.org)

**Withdrawals**

BSR/ASME B18.15M-1998 (R2004), Metric Lifting Eyes (withdrawal of ANSI/ASME B18.15M-1998 (R2004))

Covers dimensional and load requirements for forged metric threaded lifting eyes intended primarily for lifting applications. The inclusion of dimensional data in this standard is not intended to imply that all sizes described are production stock items. Consumers should consult with suppliers concerning lists of stock production items.

Single copy price: \$34.00

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, (212) 591-7021, [gomezc@asme.org](mailto:gomezc@asme.org)

# Call for Comment Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in Call for Comment. This section is a list of developers who have submitted standards for public review in this issue of *Standards Action* – it is not intended to be a list of all ANSI developers. Please send all address corrections to: Standards Action Editor, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or [standact@ansi.org](mailto:standact@ansi.org).

## Order from:

### **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/](http://www.aga.org/)

### **ANS**

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525  
Phone: (708) 579-8269  
Fax: (708) 352-6464  
Web: [www.ans.org/main.html](http://www.ans.org/main.html)

### **ASA (ASC S12)**

Acoustical Society of America  
35 Pinelawn Road, Suite 114E  
Melville, NY 11747  
Phone: (631) 390-0215  
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Web: [asa.aip.org/index.html](http://asa.aip.org/index.html)

### **ASC X9**

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Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: [www.x9.org](http://www.x9.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](http://www.asme.org)

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515

### **Global Engineering Documents**

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Englewood, CO 80112-5704  
Phone: (800) 854-7179  
Fax: (303) 379-2740

### **NACE**

NACE International, the Corrosion  
Society  
1440 South Creek Drive  
Houston, TX 77084-4906  
Phone: (281) 228-6287  
Fax: (281) 228-6387  
Web: [www.nace.org](http://www.nace.org)

### **NSF**

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-6819  
Fax: (734) 827-7875  
Web: [www.nsf.org](http://www.nsf.org)

### **SIA (ASC A92)**

Scaffold Industry Association  
400 Admiral Boulevard  
Kansas City, MO 64106  
Phone: (816) 595-4860  
Fax: (816) 472-7765  
Web: [www.scaffold.org](http://www.scaffold.org)

## Send comments to:

### **AAMI**

Association for the Advancement  
of Medical Instrumentation

1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890 x213  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.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/](http://www.aga.org/)

### **ANS**

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525  
Phone: (708) 579-8269  
Fax: (708) 352-6464  
Web: [www.ans.org/main.html](http://www.ans.org/main.html)

### **ASA (ASC S12)**

Acoustical Society of America  
35 Pinelawn Road, Suite 114E  
Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 390-0217  
Web: [asa.aip.org/index.html](http://asa.aip.org/index.html)

### **ASC X9**

Accredited Standards Committee  
X9, Incorporated  
1212 West Street, Suite 200  
Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: [www.x9.org](http://www.x9.org)

### **ASME**

American Society of Mechanical  
Engineers (ASME)  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-7021  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### **ITI (INCITS)**

ITI (INCITS)  
1250 Eye Street, NW  
Suite 200  
Washington, DC 20005  
Phone: (202) 626-5743  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **NACE**

NACE International, the Corrosion  
Society  
1440 South Creek Drive  
Houston, TX 77084-4906  
Phone: (281) 228-6287  
Fax: (281) 228-6387  
Web: [www.nace.org](http://www.nace.org)

### **NFSI**

National Floor Safety Institute  
P.O. Box 92607  
Southlake, TX 76092  
Phone: (817) 749-1705  
Fax: (817) 749-1702  
Web: [www.nfsi.org](http://www.nfsi.org)

### **NSF**

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-6819  
Fax: (734) 827-7875  
Web: [www.nsf.org](http://www.nsf.org)

### **SIA (ASC A92)**

Scaffold Industry Association  
400 Admiral Boulevard  
Kansas City, MO 64106  
Phone: (816) 595-4860  
Fax: (816) 472-7765  
Web: [www.scaffold.org](http://www.scaffold.org)

### **TIA**

Telecommunications Industry  
Association  
2500 Wilson Blvd  
Arlington, VA 22201  
Phone: (703) 907-7974  
Fax: (703) 907-7728  
Web: [www.tiaonline.org](http://www.tiaonline.org)

### **UL**

Underwriters Laboratories, Inc.  
1285 Walt Whitman Road  
Melville, NY 11747  
Phone: (631) 546-2593  
Fax: (631) 439-6021  
Web: [www.ul.com/](http://www.ul.com/)



# 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:** 1110 N Glebe Road  
Suite 220  
Arlington, VA 22201

**Contact:** *Hae Choe*

**Phone:** (703) 525-4890 x213

**Fax:** (703) 276-0793

**E-mail:** hchoe@aami.org

BSR/AAMI EC53-200x, ECG cables and leadwires (revision of ANSI/AAMI EC53-1995 (R2008))

BSR/AAMI EC57-200x, Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (revision of ANSI/AAMI EC57-1998 (R2008))

BSR/AAMI/IEC 60601-2-25-200x, Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs (identical national adoption and revision of ANSI/AAMI/IEC 60601-2-25-200x)

## **ASSE (Z590) (American Society of Safety Engineers)**

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** *Timothy Fisher*

**Phone:** (847) 768-3411

**Fax:** (847) 768-3411

**E-mail:** TFisher@ASSE.org

BSR/ASSE Z790.001-200x, Prevention through Design: Guidelines for Addressing Occupational Risks in Design and Redesign Processes (new standard)

## **DASMA (Door and Access Systems Manufacturers Association)**

**Office:** 1300 Sumner Avenue  
Cleveland, OH 44115-2851

**Contact:** *Christopher Johnson*

**Phone:** (216) 241-7333

**Fax:** (216) 241-0105

**E-mail:** cjohnson@thomasamc.com; jboyle@thomasamc.com

BSR/DASMA 203-200x, Standard for Non-Fire Rated Rolling Doors (revision of ANSI/DASMA 203-2004)

## **InfoComm (InfoComm International)**

**Office:** 72 Idlewood Avenue  
Hamburg, NY 14075

**Contact:** *Joseph Bocchiaro*

**Phone:** (716) 648-1520

**Fax:** (716) 648-2195

**E-mail:** jbochiaro@infocomm.org

BSR/INFCOMM 2M-200x, Audiovisual Systems Design Package Components (new standard)

BSR/INFCOMM 3M-200x, Projected Images in Audiovisual Systems (new standard)

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

**Office:** 1250 Eye Street, NW, Suite 200  
Washington, DC 20005

**Contact:** *Serena Patrick*

**Phone:** (202) 626-5741

**Fax:** (202) 638-4922

**E-mail:** spatrick@itic.org

BSR INCITS 154-1988 (S200x), Information technology - Office Machines and Supplies - Alphanumeric Machine - Keyboard Arrangement (stabilized maintenance of ANSI INCITS 154-1988 (R2004))

BSR INCITS PN-1544-R-200x, Information technology - Role Based Access Control (RBAC) (revision of ANSI INCITS 359-2004 (R2009))

BSR/INCITS/ISO 2132-200x, Offset duplicators - Attachment features of plates (identical national adoption of ISO 2132:1972)

BSR/INCITS/ISO 2132/AMD1-200x, Offset duplicators - Attachment features of plates - Amendment 1 (identical national adoption of ISO 2132/AMD1:1975)

BSR/INCITS/ISO/IEC 7501-1-200x, Identification cards - Machine readable travel documents - Part 1: Machine readable passport (identical national adoption and revision of INCITS/ISO/IEC 7501-1-1997 (R2009))

BSR/INCITS/ISO/IEC 7501-3-200x, Identification cards - Machine readable travel documents - Part 3: Machine readable official travel documents (identical national adoption and revision of INCITS/ISO/IEC 7501-3-1997 (R2009))

BSR/INCITS/ISO/IEC 13250-4-200x, Information technology - Topic Maps - Part 4: Canonicalization (identical national adoption of ISO/IEC 13250-4:2009)

INCITS/ISO/IEC 19794-5-2005/AMD 1-200x, Information technology - Biometric data interchange formats - Part 5: Face image data Amendment 1: Conditions for taking photographs for face image data (identical national adoption of ISO/IEC 19794-5:2005/Amd 1:2007)

**TIA (Telecommunications Industry Association)**

**Office:** 2500 Wilson Blvd  
Arlington, VA 22201

**Contact:** *Ronda Coulter*

**Phone:** (703) 907-7974

**Fax:** (703) 907-7728

**E-mail:** rcoulter@tiaonline.org

BSR/TIA 102.AACA-A-200x, OTAR Protocol and Procedures  
Description (revision, redesignation and consolidation of ANSI/TIA  
102.AACA, ANSI/TIA 102.AACA-1, ANSI/TIA 102.AACA-2, and  
ANSI/TIA-102.AACB)

BSR/TIA 102BAAA-A-2003 (R200x), Project 25 FDMA Common Air  
Interface (reaffirmation of ANSI/TIA 102BAAA-A-2003)

BSR/TIA 222-G-2-200x, Structural Standard for Antenna Supporting  
Structures and Antennas - Addendum 2 (supplement to ANSI/TIA  
222-G-2005)

# 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.

## AAMI (Association for the Advancement of Medical Instrumentation)

### Reaffirmations

ANSI/AAMI/ISO 10993-4-2002 (R2009), Biological evaluation of medical devices - Part 4: Selection of tests for interactions with blood (reaffirmation of ANSI/AAMI/ISO 10993-4-2002): 3/10/2009

ANSI/AAMI/ISO 10993-16-1997 (R2009), Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (reaffirmation of ANSI/AAMI/ISO 10993-16-1997 (R2003)): 3/5/2009

ANSI/AAMI/ISO 10993-4-Amd1-2006 (R2009), Biological evaluation of medical devices - Part 4: Selection of test for interactions with blood (Amendment 1) (reaffirmation of ANSI/AAMI/ISO 10993-4-Amd1-2006): 3/5/2009

## ABYC (American Boat and Yacht Council)

### New Standards

ANSI/ABYC H-41-2009, Reboarding Means, Ladders, Handholds, Rails, and Lifelines (new standard): 3/5/2009

## AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

### Revisions

ANSI/AHRI Standard 460-2009, Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers (revision and redesignation of ANSI/ARI 460-2000): 3/5/2009

ANSI/AHRI Standard 870-2009, Performance Rating of Direct Geoechange Heat Pumps (revision and redesignation of ANSI/AHRI Standard 870-2001): 3/5/2009

ANSI/AHRI Standard 1060-2009, Performance Rating of Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment (revision and redesignation of ANSI/AHRI Standard 1060-2001): 3/5/2009

## ALI (ASC A14) (American Ladder Institute)

### Revisions

ANSI A14.4-2009, Safety Requirements for Job-Made Wooden Ladders (revision of ANSI A14.4-2002): 3/10/2009

## ASABE (American Society of Agricultural and Biological Engineers)

### Reaffirmations

ANSI/ASAE EP403.3-JUL99 (R2009), Design of Anaerobic Lagoons for Animal Waste Management (reaffirmation of ANSI/ASAE EP403.3-JUL99 (RFEB04)): 3/11/2009

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

### New Standards

ANSI/ASHRAE Standard 160-2009, Criteria for Moisture-Control Design Analysis in Buildings (new standard): 1/29/2009

## ASTM (ASTM International)

### New Standards

ANSI/ASTM E2599-2009, Practice for Specimen Preparation and Mounting of Reflective Insulation Materials and Radiant Barrier Materials for Building Applications to Assess Surface Burning Characteristics (new standard): 3/1/2009

ANSI/ASTM E2653-2009, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Fire Test Method with Fewer than Six Participating Laboratories (new standard): 1/6/2009

### Revisions

ANSI/ASTM E648-2008b, Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/ASTM E648-2008a): 12/15/2008

ANSI/ASTM E662-2009, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2006): 3/1/2009

ANSI/ASTM E970-2008, Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source (revision of ANSI/ASTM E970-2006): 12/15/2008

ANSI/ASTM E1354-2008a, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2008): 12/15/2008

ANSI/ASTM E1354-2009, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2008): 3/1/2009

ANSI/ASTM E1822-2009, Test Method for Fire Testing of Stacked Chairs (revision of ANSI/ASTM E1822-2002a): 1/1/2009

ANSI/ASTM E2061-2009, Guide for Fire Hazard Assessment of Rail Transportation Vehicles (revision of ANSI/ASTM E2061-06): 3/1/2009

ANSI/ASTM E2280-2009, Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture Within Patient Rooms of Health Care Facilities (revision of ANSI/ASTM E2280-2003): 1/1/2009

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmations

ANSI T1.424-2004 (R2009), Interface Between Networks and Customer Installation Very-high-bit-rate Digital Subscriber Lines (VDSL) Metallic Interface (DMT based) (reaffirmation of ANSI T1.424-2004): 3/4/2009

ANSI T1.601-1999 (R2009), Integrated Services Digital Network (ISDN) - Basic Access Interface for Use on Metallic Loops for Application on the Network Side of the NT (Layer 1 Specification) (reaffirmation of ANSI T1.601-1999 (R2004)): 3/4/2009

## BICSI (Building Industry Consulting Service International)

### New Standards

ANSI/BICSI 001-2009, Information Transport Systems Design Standard for K-12 Educational Institutions (new standard): 3/11/2009

**EIA (Electronic Industries Alliance)***New Standards*

- ANSI/EIA 364-79-2009, Insert Bond Strength Test Procedure for Electrical Connectors (new standard): 3/10/2009
- ANSI/EIA 364-93-2009, Repeated Wire Connection and Disconnection Test Procedure for Insulation Displacement Contacts (IDC) for Electrical Connectors (new standard): 3/10/2009
- ANSI/EIA 364-85-1996 (R2009), General Test Procedure for Assessing Wear and Mechanical Damage Testing of Contact Finishes for Electrical Connectors (new standard): 3/10/2009
- ANSI/EIA 364-88-1995 (R2009), Residual Magnetism for Electrical Connectors (new standard): 3/11/2009

**IEEE (Institute of Electrical and Electronics Engineers)***New Standards*

- ANSI/IEEE 1302-2008, Guide for the Electromagnetic Characterisation of Conductive Gaskets in the Frequency Range of DC to 18 GHz (new standard): 3/9/2009
- ANSI/IEEE 1624-2008, Standard for Organizational Reliability Capability (new standard): 3/4/2009
- ANSI/IEEE 1660-2008, Guide for Application and Management of Stationary Batteries Used in Cycling Service (new standard): 3/4/2009
- ANSI/IEEE 1662-2008, Guide for the Design and Application of Power Electronics in Electrical Power Systems on Ships (new standard): 3/9/2009
- ANSI/IEEE 1675-2008, Standard for Broadband Over Powerline Hardware (new standard): 3/6/2009
- ANSI/IEEE 11073-10441-2008, Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Cardiovascular Fitness and Activity Monitor (new standard): 3/4/2009
- ANSI/IEEE 11073-10442-2008, Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Strength Fitness Equipment (new standard): 3/4/2009
- ANSI/IEEE 11073-10471-2008, Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Independent Living Activity Hub (new standard): 3/6/2009
- ANSI/IEEE 11073-20601-2008, Standard for Health Informatics - Personal Health Device Communication - Application Profile - Optimized Exchange Protocol (new standard): 3/6/2009

*Reaffirmations*

- ANSI/IEEE 377-1997 (R2008), Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters (reaffirmation of ANSI/IEEE 377-1997 (R2005)): 3/9/2009
- ANSI/IEEE 945-1984 (R2009), Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology (reaffirmation of ANSI/IEEE 945-1984 (R2002)): 3/5/2009
- ANSI/IEEE 1137-1991 (R2008), Guide for the Implementation of Inductive Coordination Mitigation Techniques and Application (reaffirmation of ANSI/IEEE 1137-1991 (R2003)): 3/5/2009
- ANSI/IEEE 1547-2003 (R2008), Standard for Interconnecting Distributed Resources with Electric Power Systems (reaffirmation of ANSI/IEEE 1547-2003): 3/5/2009
- ANSI/IEEE C37.013-1997 (R2008), Standard for AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical Current Basis (reaffirmation of BSR/IEEE C37.013-1997): 3/5/2009

*Revisions*

- ANSI/IEEE 1620-2008, Standard for Test Methods for the Characterization of Organic Transistors and Materials (revision of ANSI/IEEE 1620-2004): 3/4/2009

*Supplements*

- ANSI/IEEE 802.11y-2008, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment 3: 3650-3700 MHz Operation in USA (supplement to ANSI/IEEE 802.11-2007): 3/6/2009
- ANSI/IEEE 1672-2006/Cor1-2008, IEEE Standard for Ultrawideband Radar Definitions - Corrigendum 1 (supplement to ANSI/IEEE 1672-2006): 3/9/2009

**NSF (NSF International)***Revisions*

- ANSI/NSF 35-2009 (i5), NSF/ANSI 35- High pressure decorative laminates for surfacing food service equipment (revision of ANSI/NSF 35-2007): 2/19/2009
- ANSI/NSF 46-2009 (i17), NSF/ANSI 46 - Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2007): 2/25/2009
- ANSI/NSF 52-2009 (i5), NSF/ANSI 52- Supplemental Flooring (revision of ANSI/NSF 52-2007): 2/22/2009
- ANSI/NSF 170-2009 (i12), NSF/ANSI 170- Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2007): 2/25/2009

**SAE (Society of Automotive Engineers)***New Standards*

- ANSI/SAE J1388-2009, Personnel Protection - Skid Steer Loaders (new standard): 3/5/2009

**TIA (Telecommunications Industry Association)***Supplements*

- ANSI/TIA 455-203-A-2009, Light Source Encircled Flux Measurement Method (supplement to ANSI/TIA 455-203-2001): 3/10/2009

**UL (Underwriters Laboratories, Inc.)***Reaffirmations*

- ANSI/UL 568-2004 (R2009), Standard for Safety for Nonmetallic Cable Tray Systems (proposal dated 1-9-09) (reaffirmation of ANSI/UL 568-2004): 3/11/2009

*Revisions*

- ANSI/UL 427-2009, Standard for Safety for Refrigerating Units (revision of ANSI/UL 427-2006): 2/27/2009
- ANSI/UL 555C-2009, Standard for Ceiling Dampers (revision of ANSI/UL 555C-2006): 3/9/2009
- ANSI/UL 555S-2009, Standard for Smoke Dampers (revision of ANSI/UL 555S-2006): 3/9/2009
- ANSI/UL 555C-2009, Standard for Ceiling Dampers (revision of ANSI/UL 555C-2006): 3/9/2009
- ANSI/UL 555S-2009, Standard for Smoke Dampers (revision of ANSI/UL 555S-2006): 3/9/2009
- ANSI/UL 697-2009, Standard for Safety for Toy Transformers (revision of ANSI/UL 697-2008): 3/10/2009

ANSI/UL 1030-2009, Standard for Safety for Sheathed Type Heating Elements (revision of ANSI/UL 1030-2004): 2/27/2009

ANSI/UL 1082-2009, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances (Proposal dated 9-19-08) (revision of ANSI/UL 1082-2005): 2/19/2009

## **Approval by WCMA of Provision American National Standard: A100.1-2009 (PS)**

WCMA A100.1, Provisional American National Standard for Safety of Corded Window Covering Products, was approved on February 27, 2009 under the procedures for the publication for a Provisional American National Standard as contained in the ANSI Essential Requirements Annex B. Changes relate to requirements for Roman Shades in paragraphs 3.1, 3.2, 4.5, 5.2.8. For additional information, please contact Tina Cadet or Tim Bennett at the WCMA headquarters 355 Lexington Avenue, New York, NY 10017-6603, phone 212-297-2122, or e-mail [tcadet@kellenccompany.com](mailto:tcadet@kellenccompany.com).

# 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](http://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:** 1110 N Glebe Road  
Suite 220  
Arlington, VA 22201

**Contact:** Hae Choe

**Fax:** (703) 276-0793

**E-mail:** [hchoe@aami.org](mailto:hchoe@aami.org)

BSR/AAMI EC53-200x, ECG cables and leadwires (revision of ANSI/AAMI EC53-1995 (R2008))

Stakeholders: Manufacturers of ECG cables and leadwires.

Project Need: To update the current American National Standard.

Covers safety and performance requirements for disposable and reusable leadwires as well as the cables used for surface electrocardiographic (ECG) monitoring in cardiac monitors. Also specifies a standard leadwire/trunk cable interface to allow interchangeability.

BSR/AAMI EC57-200x, Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (revision of ANSI/AAMI EC57-1998 (R2008))

Stakeholders: Manufacturers and users of ECG arrhythmia monitoring equipment.

Project Need: To update the current American National Standard.

Establishes a method for testing and reporting the performance of algorithms used to detect cardiac rhythm disturbances, including the ST segment.

BSR/AAMI/ISO/IEC 81060-2-200x, Non-invasive sphygmomanometers

- Clinical validation of automated measurement type (identical national adoption and revision of ANSI/AAMI SP10-2002 (R2008) including SP10/A1-2003 (R2008) and SP10/A2-2006 (R2008))

Stakeholders: Manufacturers and users of sphygmomanometers.

Project Need: To propose a parallel adoption of an ISO/IEC standard as an American National Standard.

Specifies the requirements and methods for the clinical validation of noninvasive sphygmomanometers used for the intermittent noninvasive automatic estimation of the arterial blood pressure by utilizing a cuff. This standard is not applicable to the validation of nonautomated sphygmomanometers or invasive blood pressure monitoring equipment.

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** Carla VanGilder

**Fax:** (269) 429-3852

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

BSR/ASAE EP559.1-200x, Design Requirements and Bending Properties for Mechanically Laminated Columns (revision and redesignation of ANSI/ASAE EP559-FEB97 (R2008))

Stakeholders: Designers, manufacturers, and builders of wood-frame buildings.

Project Need: To provide structural design engineers with an updated standard for the design of mechanically laminated wood assemblies.

Establishes guidelines for designing and calculating allowable bending properties of mechanically laminated columns used as structural members in wood construction.

## ASC X9 (Accredited Standards Committee X9, Incorporated)

**Office:** 1212 West Street, Suite 200  
Annapolis, MD 21401

**Contact:** Isabel Bailey

**Fax:** (410) 267-0961

**E-mail:** [isabel.baileyx9@verizon.net](mailto:isabel.baileyx9@verizon.net)

BSR X9.100-170-200x, Specifications for the Padlock Icon (revision of ANSI X9.100-170-2004)

Stakeholders: Check, ink, and paper manufacturers; financial institutions offering checks to customers.

Project Need: To deter certain kinds of check fraud.

This standard is useful in deterring certain kinds of check fraud. The content needs revision to make it more generic in describing the icon used, the location of the icon and the requirements to meet in using any icon representing check security is present.

**ASSE (Z590) (American Society of Safety Engineers)**

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** Timothy Fisher

**Fax:** (847) 768-3411

**E-mail:** TFisher@ASSE.org

BSR/ASSE Z790.001-200x, Prevention through Design: Guidelines for Addressing Occupational Risks in Design and Redesign Processes (new standard)

Stakeholders: SH&E profession.

Project Need: This new standard is based upon the consensus of ASSE members and the SH&E profession.

Provides guidance on including prevention through design concepts and processes as a specifically identified element in a safety and health management system so that decisions pertaining to occupational risks are incorporated into the design and redesign processes, including consideration of the life cycle of facilities, materials, and equipment.

**ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact:** Corice Leonard

**E-mail:** cleonard@astm.org

BSR/ASTM WK9303-200x, New Test Method for Standard Test Method for Air Oxidation of Carbon and Graphite in the Kinetic Regime (new standard)

Stakeholders: Manufactured carbon and graphite products industry.

Project Need:

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK9303.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK9303.htm>

**DASMA (Door and Access Systems Manufacturers Association)**

**Office:** 1300 Sumner Avenue  
Cleveland, OH 44115-2851

**Contact:** Christopher Johnson

**Fax:** (216) 241-0105

**E-mail:** cjohnson@thomasamc.com; jboyle@thomasamc.com

BSR/DASMA 203-200x, Standard for Non-Fire Rated Rolling Doors (revision of ANSI/DASMA 203-2004)

Stakeholders: Manufacturers of garage doors and garage door components, users of garage doors.

Project Need: To provide revisions to the current standard.

Defines minimum design and performance specifications for non-fire-rated rolling doors in commercial and industrial applications, consisting of assembled, interlocking slats of steel, stainless steel, or aluminum.

**EOS/ESD (ESD Association, Inc.)**

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

**Contact:** Christina Earl

**Fax:** (315) 339-6793

**E-mail:** cearl@esda.org

BSR/ESD STM14.1-200x, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - System Level Electrostatic Discharge (ESD) Simulator Verification (revision and redesignation of ANSI/ESD SP14.1-2004)

Stakeholders: Electronics industry.

Project Need: To define a measurement system and fixtures that can be used to make accurate, reproducible measurement of the discharge current from ESD simulators and other sources.

Defines a time-domain measurement technique for verifying compliance with discharge current specifications given in system-level ESD standards.

**HL7 (Health Level Seven)**

**Office:** 3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104

**Contact:** Karen Van Hentenryck

**Fax:** (734) 677-6622

**E-mail:** Karenvan@HL7.org

BSR/HL7 EHR, R1.1-200x, HL7 EHR System Functional Model, Release 1.1 (revision and redesignation of ANSI/HL7 EHR, R1-2007)

Stakeholders: ISO, HIMSS.

Project Need: To support the HL7 goal of having an EHR System Functional Model that is vetted by the International Community within and outside of HL7.

Provides a high-level description of functions and criteria in an electronic health record. Release 1 of the model was approved as an American National Standard in 2007. The model was submitted for consideration through ISO in 2008. The comments received from the ISO ballot cycle were reconciled in late 2008 and completed in January, 2009.

**InfoComm (InfoComm International)**

**Office:** 72 Idlewood Avenue  
Hamburg, NY 14075

**Contact:** Joseph Bocchiaro

**Fax:** (716) 648-2195

**E-mail:** jbocchiaro@infocomm.org

BSR/INFOCOMM 2M-200x, Audiovisual Systems Design Package Components (new standard)

Stakeholders: Corporate and commercial conference facilities, entertainment venues, houses of worship.

Project Need: To supply the clear definition and coordination of processes, resources, and responsibilities of the design and installation project teams in order to achieve a successful professional audiovisual system installation.

Outlines a consistent set of the standard tasks, responsibilities and deliverables required for professional audiovisual systems design and construction. A properly documented audiovisual system provides the information necessary to understand and implement the system goals and project requirements in a logical and efficient manner. The documentation should complement and coordinate with related architectural, engineering and construction documentation.

BSR/INFOCOMM 3M-200x, Projected Images in Audiovisual Systems (new standard)

Stakeholders: Corporate and commercial conference facilities, entertainment venues, houses of worship.

Project Need: To provide a consistent means for the audiovisual industry to define and measure the basic criteria in projected image systems, such as luminosity, contrast ratio, and ambient light.

Addresses the Image Contrast Ratio, Luminosity, and Ambient Light Characteristics of projection display systems typically used in presentation environments. Although the methodology and procedures contained in this standard can be applied to any display system, this document primarily addresses AV presentation systems. Measurement, test procedures, and recommended target criteria are included such that practitioners can design and verify the architectural, technical, and physiological parameters of the system.

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

**Office:** 1250 Eye Street, NW  
Suite 200  
Washington, DC 20005

**Contact:** *Barbara Bennett*

**Fax:** (202) 638-4922

**E-mail:** [bbennett@itic.org](mailto:bbennett@itic.org)

BSR/INCITS/ISO/IEC 13250-4-200x, Information technology - Topic Maps - Part 4: Canonicalization (identical national adoption of ISO/IEC 13250-4:2009)

Stakeholders: ICT industry.

Project Need: To adopt this International Standard, which will be beneficial to the ICT industry.

Defines the CXTM format, and specifies how CXTM files are produced from topic maps by means of a transformation from the Topic Maps Data Model (ISO/IEC 13250-2) to the XML Infoset [XML Infoset].

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

**Office:** 1250 Eye Street, NW, Suite 200  
Washington, DC 20005

**Contact:** *Serena Patrick*

**Fax:** (202) 638-4922

**E-mail:** [spatrick@itic.org](mailto:spatrick@itic.org)

BSR INCITS PN-1544-R-200x, Information technology - Role Based Access Control (RBAC) (revision of ANSI INCITS 359-2004 (R2009))

Stakeholders: Security administration personnel.

Project Need: To provide further refinements of the RBAC standard.

Since the publication of INCITS 359 in 2004, comments have been received centered around making the standard apply to more general types of RBAC systems and types of constraints. Additionally, errors in the original version will be addressed.

BSR/INCITS/ISO 2132-200x, Offset duplicators - Attachment features of plates (identical national adoption of ISO 2132:1972)

Stakeholders: ITC industry.

Project Need: To adopt this International Standard, which will be beneficial to the ITC industry.

Lays down a method of attaching an offset plate to a duplicating machine. Specifies the diameter and the spacing of holes and their position tolerance. Covers single-edge and double-edge punched plates.

BSR/INCITS/ISO 2132/AMD1-200x, Offset duplicators - Attachment features of plates - Amendment 1 (identical national adoption of ISO 2132/AMD1:1975)

Stakeholders: ITC industry.

Project Need: To adopt this International Standard, which will be beneficial to the ITC industry.

Lays down a method of attaching an offset plate to a duplicating machine. Specifies the diameter and the spacing of holes and their position tolerance. Covers single-edge and double-edge punched plates.

BSR/INCITS/ISO/IEC 7501-1-200x, Identification cards - Machine readable travel documents - Part 1: Machine readable passport (identical national adoption and revision of INCITS/ISO/IEC 7501-1-1997 (R2009))

Stakeholders: ITC industry.

Project Need: To adopt this International Standard, which will be beneficial to the ITC industry.

Pertains to all applications relating to machine readable passports (MRPs). This standard specifies the form and provides guidance on the construction of MRPs, in particular in relation to those aspects of the MRP where details of the rightful holder are presented in a form which is both visual and machine readable.

BSR/INCITS/ISO/IEC 7501-3-200x, Identification cards - Machine readable travel documents - Part 3: Machine readable official travel documents (identical national adoption and revision of INCITS/ISO/IEC 7501-3-1997 (R2009))

Stakeholders: ITC industry.

Project Need: To adopt this International Standard, which will be beneficial to the ITC industry.

Provides a short-form endorsement of the International Civil Aviation Organization (ICAO) Document Doc 9303 Part 3 - Size-1 and Size-2 Machine Readable Official Travel Documents.

#### **SCTE (Society of Cable Telecommunications Engineers)**

**Office:** 140 Philips Road  
Exton, PA 19341

**Contact:** *Rebecca Quartapella*

**Fax:** (610) 363-5898

**E-mail:** [rquartapella@scte.org](mailto:rquartapella@scte.org)

BSR/SCTE 128-200x, AVC Video Systems and Transport Constraints for Cable Television (revision of ANSI/SCTE 128-2008)

Stakeholders: Cable telecommunications industry.

Project Need: To update this standard to reflect current technology.

Assists in creation of an AVC-coded video elementary stream and its transport intended for broadcast purposes. There are other applications: time-shifting (e.g., PVR/DVR service); streams transmitted to dedicated STBs (e.g., Video-on-Demand service, unicast, multicast); splicing (e.g., Ad-insertion) that could employ the specifications in this document. Specifications for those applications are outside of the scope of this document.

#### **TIA (Telecommunications Industry Association)**

**Office:** 2500 Wilson Boulevard Suite 300  
Arlington, VA 22201

**Contact:** *Peter Bogard*

**Fax:** (703) 907 7728

**E-mail:** [pbogard@tiaonline.org](mailto:pbogard@tiaonline.org)

BSR/TIA 41.550-E-2 [E]-200x, Mobile Application Part (MAP) - Parameters Signaling Protocols (addenda to ANSI/TIA 41.550-E-2004)

Stakeholders: Telecommunications Industry Association.

Project Need: To update the current American National Standard.

Supports systems conforming to air-interface technologies AMPS, NAMPS, TDMA, and CDMA, including cdma2000 (R).



**TIA (Telecommunications Industry Association)**

**Office:** 2500 Wilson Blvd  
Arlington, VA 22201

**Contact:** Ronda Coulter

**Fax:** (703) 907-7728

**E-mail:** rcoulter@tiaonline.org

BSR/TIA 102.AACA-A-200x, OTAR Protocol and Procedures  
Description (revision, redesignation and consolidation of ANSI/TIA 102.AACA, ANSI/TIA 102.AACA-1, ANSI/TIA 102.AACA-2, and ANSI/TIA 102.AACB)

Stakeholders: Telecommunications Industry Association.

Project Need: To consolidate ANSI/TIA 102.AACA, ANSI/TIA 102.AACA-1, ANSI/TIA 102.AACA-2, and ANSI/TIA 102.AACB into one document: ANSI/TIA 102.AACA-A.

Consolidates ANSI/TIA 102.AACA, ANSI/TIA 102.AACA-1, ANSI/TIA 102.AACA-2, and ANSI/TIA 102.AACB into one document: ANSI/TIA 102.AACA-A.

**TIA (Telecommunications Industry Association)**

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

**Contact:** Teesha Jenkins

**Fax:** (703) 907-7727

**E-mail:** tjenkins@tiaonline.org

BSR/TIA 222-G-2-200x, Structural Standard for Antenna Supporting Structures and Antennas - Addendum 2 (supplement to ANSI/TIA 222-G-2005)

Stakeholders: Telecommunications industry.

Project Need: To update the current standard.

This section defines:

- (i) the minimum acceptable analysis models and techniques; and
- (ii) the requirements to account for the dynamic effects of wind gusts.

## 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
- AAMVA
- AGA
- AGRSS, Inc.
- ASC X9
- ASHRAE
- ASME
- ASTM
- GEIA
- HL7
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NISO
- NSF
- TIA
- Underwriters Laboratories, Inc. (UL)

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](http://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](http://www.ansi.org/publicreview).

Alternatively, you may contact the Procedures & Standards Administration Department (PSA) at [psa@ansi.org](mailto: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.

# ISO and 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 Henrietta Scully at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. 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](mailto:sales@ansi.org). When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.**

## ISO Standards

### **AIR QUALITY (TC 146)**

ISO/DIS 17736, Workplace air quality - Determination of isocyanate in air using a double-filter sampling device and analysis by high pressure liquid chromatography - 6/11/2009, \$88.00

ISO/DIS 21438-3, Workplace atmospheres - Determination of inorganic acids by ion chromatography - Part 3: Hydrofluoric acid and particulate fluorides - 1/5/2009, \$93.00

ISO/DIS 30011, Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma mass spectrometry - 1/5/2009, \$98.00

### **DENTISTRY (TC 106)**

ISO/DIS 10451, Dentistry - Contents of technical file for dental implant systems - 1/4/2009, \$46.00

### **INTERNAL COMBUSTION ENGINES (TC 70)**

ISO/DIS 7967-9, Reciprocating internal combustion engines - Vocabulary of components and systems - Part 9: Control and monitoring systems - 6/11/2009, \$46.00

### **PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)**

ISO/DIS 4007, Personal protective equipment - Eye and face protection - Vocabulary - 1/4/2009, \$125.00

### **ROAD VEHICLES (TC 22)**

ISO/DIS 4107, Commercial vehicles - Wheel hub attachment dimensions - 1/5/2009, \$29.00

ISO/DIS 15765-4, Road vehicles - Diagnostics on Controller Area Networks (CAN) - Part 4: Requirements for emissions-related systems - 6/10/2009, \$88.00

### **SHIPS AND MARINE TECHNOLOGY (TC 8)**

ISO/DIS 18072-2, Ships and marine technology - Ship structures - Part 2: Requirements for their ultimate strength limit state assessment - 6/10/2009, \$194.00

### **THERMAL INSULATION (TC 163)**

ISO/DIS 18292, Energy performance of fenestration systems - Calculation procedure - 6/10/2009, \$107.00

### **TIMBER STRUCTURES (TC 165)**

ISO/DIS 22389, Timber structures - Bending applications of I-beams - Structural testing, evaluation and characterization - 1/5/2009, \$71.00

### **TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)**

ISO/DIS 14223-1, Radiofrequency identification of animals - Advanced transponders - Part 1: Air interface - 1/5/2009, \$93.00

### **WATER QUALITY (TC 147)**

ISO/DIS 11349, Water quality - Determination of lipophilic substances of low volatility - Gravimetric method - 1/5/2009, \$40.00

## IEC Standards

34B/1441/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps - Amendment 42, 05/08/2009

34B/1442/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders - Amendment 39, 05/08/2009

34B/1443/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges - Amendment 40, 05/08/2009

34B/1444/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information - Amendment 12, 05/08/2009

97/135/FDIS, IEC 61822 Ed.2: Electrical installations for lighting and beaconing of aerodromes - Constant current regulators, 05/08/2009

20/1049/FDIS, IEC 60331-1 Ed. 1.0: Tests for electric cables under fire conditions - Circuit integrity - Part 1: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm, 05/01/2009

20/1050/FDIS, IEC 60331-2 Ed. 1.0: Tests for electric cables under fire conditions - Circuit integrity - Part 2: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm, 05/01/2009

- 20/1051/FDIS, IEC 60331-3 Ed. 1.0: Tests for electric cables under fire conditions - Circuit integrity - Part 3: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure, 05/01/2009
- 20/1052/FDIS, Amendment 1 to IEC 60331-11 Ed. 1.0: Tests for electric cables under fire conditions - Circuit integrity - Part: Apparatus - Fire alone at a flame temperature of at least 750°C, 05/01/2009
- 48B/2004/FDIS, IEC 60603-7-1 Ed. 2.0: Connectors for electronic equipment - Part 7-1: Detail specification for 8-way, shielded, free and fixed connectors, 05/01/2009
- 68/387/FDIS, IEC 60404-8-10 Ed. 2.0: Magnetic materials - Part 8-10: Specifications for individual materials - Magnetic materials (iron and steel) for use in relays, 05/01/2009
- 78/793/FDIS, IEC 61482-1-1 ed.1: Live working - Protective clothing against the thermal hazards of an electric arc- Part 1: Test methods - Method 1 - Determination of the arc rating (atpv or ebt50) of flame resistant materials for clothing, 05/01/2009
- 91/850/FDIS, IEC 61249-4-14, Ed. 1: Materials for printed boards and other interconnecting structures - Part 4-14: Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards) - Epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly, 05/01/2009
- 91/851/FDIS, IEC 61249-4-15, Ed. 1: Materials for printed boards and other interconnecting structures - Part 4-15: Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards) - Multifunctional epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly, 05/01/2009
- 91/852/FDIS, IEC 61249-4-16, Ed. 1: Materials for printed boards and other interconnecting structures - Part 4-16: Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards)- Multifunctional non-halogenated epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly, 05/01/2009
- 91/853/FDIS, IEC 61249-4-17, Ed. 1: Materials for printed boards and other interconnecting structures - Part 4-17: Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards) - Non-halogenated epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly, 05/01/2009
- 91/854/FDIS, IEC 61188-7, Ed. 1: Printed boards and printed board assemblies - Design and use - Part 7: Electronic component zero orientation for CAD library construction, 05/01/2009
- CIS/B/478/FDIS, CISPR 11 Ed.5: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, 05/01/2009



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 3356:2009](#), Milk - Determination of alkaline phosphatase, \$57.00

## CEMENT AND LIME (TC 74)

[ISO 29581-1:2009](#), Cement - Test methods - Part 1: Analysis by wet chemistry, \$149.00

## EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7165:2009](#), Fire fighting - Portable fire extinguishers - Performance and construction, \$157.00

## NUCLEAR ENERGY (TC 85)

[ISO 18589-4:2009](#), Measurement of radioactivity in the environment - Soil - Part 4: Measurement of plutonium isotopes (plutonium 238 and plutonium 239 + 240) by alpha spectrometry, \$104.00

[ISO 18589-5:2009](#), Measurement of radioactivity in the environment - Soil - Part 5: Measurement of strontium 90, \$122.00

[ISO 18589-6:2009](#), Measurement of radioactivity in the environment - Soil - Part 6: Measurement of gross alpha and gross beta activities, \$73.00

## PHOTOGRAPHY (TC 42)

[ISO 18932:2009](#), Imaging materials - Adhesive mounting systems - Specifications, \$65.00

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

[ISO 15877-1:2009](#), Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 1: General, \$73.00

[ISO 15877-2:2009](#), Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Pipes, \$86.00

[ISO 15877-3:2009](#), Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings, \$110.00

[ISO 15877-5:2009](#), Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system, \$65.00

## ROAD VEHICLES (TC 22)

[ISO 26865:2009](#), Road vehicles - Brake lining friction materials - Standard performance test procedure for commercial vehicles with air brakes, \$80.00

## RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 9924-3:2009](#), Rubber and rubber products - Determination of the composition of vulcanizates and uncured compounds by thermogravimetry - Part 3: Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers after extraction, \$86.00

## SEWING MACHINES (TC 148)

[ISO 10821/Amd1:2009](#), Industrial sewing machines - Safety requirements for sewing machines, units and systems - Amendment 1, \$16.00

## SOIL QUALITY (TC 190)

[ISO 10381-6:2009](#), Soil quality - Sampling - Part 6: Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory, \$49.00

## SURFACE CHEMICAL ANALYSIS (TC 201)

[ISO 18117:2009](#), Surface chemical analysis - Handling of specimens prior to analysis, \$65.00

## WATER QUALITY (TC 147)

[ISO 16265:2009](#), Water quality - Determination of the methylene blue active substances (MBAS) index - Method using continuous flow analysis (CFA), \$73.00

## ISO Technical Reports

### OTHER

[ISO/TR 10989:2009](#), Reference materials - Guidance on, and keywords used for, RM categorization, \$86.00

## ISO Technical Specifications

### INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO/TS 22745-1:2009](#), Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 1: Overview and fundamental principles, \$43.00

[ISO/TS 22745-11:2009](#), Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 11: Guidelines for the formulation of terminology, \$37.00

[ISO/TS 22745-13:2009](#), Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 13: Identification of concepts and terminology, \$37.00

[ISO/TS 22745-20:2009](#), Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 20: Procedures for the maintenance of an open technical dictionary, \$37.00

[ISO/TS 22745-2:2009](#), Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 2: Vocabulary, \$37.00

### WATER QUALITY (TC 147)

[ISO/TS 13530:2009](#), Water quality - Guidance on analytical quality control for chemical and physicochemical water analysis, \$135.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 9594-2/Cor3:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-2/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-3/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-3/Cor3:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-4/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-4/Cor2:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-5/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-5/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-6/Cor1:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-6/Cor3:2009](#), Extensions to Support Paged Result on the DSP - Corrigendum, FREE

[ISO/IEC 9594-10/Cor1:2009](#), Information technology - Open Systems Interconnection - The Directory: Use of systems management for administration of the Directory - Corrigendum, FREE

# 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

Corepoint Health, LLC

Public Review: March 11 to June 9, 2009

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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## 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 to create and maintain 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 30+ 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 all membership categories:

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

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](mailto:jgarner@itic.org).

## Proposed Tentative Interim Amendment (TIA)

### Comments Sought for NFPA Document

#### Comment Closing Date: See Below

The following proposed Tentative Interim Amendment is available for public review and comment at NFPA's Website <http://www.nfpa.org/itemDetail.asp?categoryID=844&itemID=20972>.

#### **NFPA 70®-2008 and proposed 2011 Edition National Electrical Code®**

TIA Log No.: 941

Reference: 250.104

Comment Closing Date: April 17, 2009

Submitter: Robert Torbin, Cutting Edge Solutions LLC

#### **NFPA 1600®-2007 Edition and proposed 2010 Edition Standard on Disaster/Emergency Management and Business Continuity Programs**

TIA Log No.: 948

Reference: Annex C

Comment Closing Date: April 17, 2009

Submitter: Charles P. Adams, Medina County Emergency Management Agency and Dean R. Larson, Purdue University Calumet

## ANSI Accredited Standards Developers

### Administrative Reaccreditations

#### Human Factors and Ergonomics Society (HFES)

The Human Factors and Ergonomics Society (HFES) has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under its operating procedures for documenting consensus on proposed American National Standards (version 6), revised to bring the document into compliance with the 2009 edition of the ANSI Essential Requirements, effective March 11, 2009. For additional information, please contact: Ms. Lynn Strother, CAE, Executive Director, Human Factors and Ergonomics Society, P.O. Box 1369, Santa Monica, CA 20406-1369; PHONE: (310) 394-1811; FAX: (310) 394-2410; E-mail: [lynn@hfes.org](mailto:lynn@hfes.org).

#### VMEbus International Trade Association (VITA)

The VMEbus International Trade Association (VITA) has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under its Procedures for the Development of American National Standards within the VITA Standards Organization and VSO Policies and Procedures, revised to bring the documents into compliance with the 2009 edition of the ANSI Essential Requirements, effective March 11, 2009. For additional information, please contact: Mr. John Rynearson, Technical Director, VITA, P.O. Box 19658, Fountain Hills, AZ 85269; PHONE: (480) 837-7486; E-mail: [techdir@vita.com](mailto:techdir@vita.com).

### Approvals of Reaccreditation

#### Material Handling Industry of America (MHI) and Accredited Standards Committee MHC – Unit Loads and Transport Packages; Pallets; Slip Sheets and Other Bases for Unit Loads

ANSI's Executive Standards Council has approved the reaccreditation of the Material Handling Industry of America (MHI), an ANSI organizational member and Accredited Standards Committee MHC, Unit Loads & Transport Packages; Pallets; Slip Sheets and Other Bases for Unit Loads, under their respective recently revised operating procedures for documenting consensus on proposed American National Standards, effective March 9, 2009 (MHI serves as the Secretariat of ASC MHC). For additional information, please contact: Mr. Mike Ogle, Vice-President, Material Handling Industry of America, 8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217; PHONE: (704) 676-1190; E-mail: [mogle@mhia.org](mailto:mogle@mhia.org).

#### Textile Care Allied Trades Association (TCATA)

ANSI's Executive Standards Council has approved the reaccreditation of the Textile Care Allied Trades Association (TCATA), an ANSI organizational member, under its recently revised operating procedures for documenting consensus on proposed American National Standards, effective March 11, 2009. For additional information, please contact: Mr. David Cotter, CEO, Textile Care Allied Trades Association, 271 Route 46 West, #203D, Fairfield, NJ 07004; PHONE: (973) 244-1790; FAX: (973) 244-4455; E-mail: [info@tcata.org](mailto:info@tcata.org).

## Withdrawals of Accreditation

### Cold Formed Machine Parts Institute

As ANSI was recently notified that the Cold Formed Machine Parts Institute (CFPMI) is now a defunct organization, the ANSI accreditation of CFPMI as a developer of American National Standards is formally withdrawn. Consequently, ANSI B154.1-2004, Rivet Setting Equipment, Safety Requirements for Construction, Care, and Use of, which was maintained by CFPMI, is also withdrawn as an American National Standard. These actions are taken, effective March 11, 2009. For additional information, please contact: Mr. John Foote, Technical Director, Trade Association Management, Inc., 25 North Broadway, Tarrytown, NY 10591; PHONE: (914) 332-0040; FAX: (914) 332-1541; E-mail: jfoote@taminc.com.

### Consumer Specialty Products Association (CSPA)

The Consumer Specialty Products Association (CSPA) has requested the formal withdrawal of its status as an ANSI Accredited Standards Developer. This action is taken, effective March 11, 2009. CSPA currently maintains no American National Standards. For additional information, please contact: Mr. Joseph Yost, Director, Strategic Issues Advocacy, Consumer Specialty Products Association, 900 17th Street NW, Suite 300, Washington, DC; PHONE: (202) 833-7325; FAX: (202) 872-8114; E-mail: jyost@cspa.org.

## International Organization for Standardization (ISO)

### Assignment of New International Technical Committee (TC) Secretariat

#### ISO/TC 247 - Fraud Countermeasures and Controls

##### Comment Deadline: April 6, 2009

ANSI has been advised that the North American Security Products Organization (NASPO) wishes to serve as delegated ANSI Secretariat for the above ISO Technical Committee.

The proposed scope of this TC is as follows:

Standardization in the field of the detection, prevention and control of identity, financial, product and other forms of social and economic fraud. This involves setting standards related to:

- a) security assurance of operational facilities and organizations, and their related compliance standards
- b) supply chains for security technologies, products of value and service components
- c) interoperability and the performance of security technologies
- d) procedures and/or processes related to the protection of personally identifiable information and identity
- e) procedures and/or processes for identity credentialing, including the securing of identity documents
- f) the securing, controlling, maintaining and track and trace of intellectual property through the use of security technologies and systems
- g) information security as a component of operational security assurance
- h) the transmittal of information within and between secure environments
- i) the transmittal of information from public to secure environments
- j) the transmittal of information in support of authentication or verification technologies

- k) the development of technologies, methodologies and systems related to countering fraud
- l) financial documents and systems that enable secure transactions
- m) risk analysis and techniques
- n) credentialing of individuals in critical or sensitive

Anyone wishing to comment on the delegation of the International Secretariat to NASPO, please contact Henrietta Scully, ANSI, via E-mail, [hscully@ansi.org](mailto:hscully@ansi.org), by April 6, 2009.

### ISO Proposal for a New Field of ISO Technical Activity

#### Traditional Chinese Medicine

##### Comment Deadline: April 24, 2009

SAC (P.R. China) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Traditional Chinese Medicine, with the following scope statement:

Standardization in the field of TCM, in terms of basis, application, administration and the related technical fields, such as terminology, diagnosis and treatment methods, manipulation standards, training standards, quality standards of appliance and equipment, and production and usage standards of Chinese herbal medicines and their test methods, etc.

This proposal has been sent to the members of the ANSI International Committee (AIC).

Anyone wishing to review the new work item can request a copy of the proposal by contacting Henrietta Scully, ANSI, via E-mail at [hscully@ansi.org](mailto:hscully@ansi.org) by April 21st, with submission of comments to Steven Cornish, ANSI, via E-mail at [scornish@ansi.org](mailto:scornish@ansi.org) by April 24, 2009.

## International Electrotechnical Commission (IEC)

### TAG Members Wanted for New IEC Technical Committee

#### IEC/TC 115 – High Voltage Direct Current (HVDC) Transmission for DC voltages above 100kV (Provisional)

IEEE is the TAG Administrator for the new IEC/TC 115 – High Voltage Direct Current (HVDC) Transmission for DC voltages above 100kV (Provisional). Efforts are currently underway to establish the related Technical Advisory Group prior to the first meeting of the TC scheduled for 22 - 23 May 2009 in Beijing, China. The Chinese National Committee is the Secretariat.

Provisional Scope: Standardization in the field of HVDC Transmission technology above 100kV. The contents encompass general standards, design, technical requirements in the field of HVDC equipment, construction and commissioning for acceptance, operation and maintenance, system control and protection.

Anyone interested is invited to contact:

Matthew J Ceglia  
IEEE Standards Activities  
PHONE: (732) 562-3931  
FAX: (732) 562-1571  
E-Mail: [m.j.ceglia@ieee.org](mailto:m.j.ceglia@ieee.org)



## U.S. Technical Advisory Groups

### Formation of U.S. TAG

#### ISO/TC 247 – Fraud Countermeasures and Controls, and ISO/PC 246 – Anti-Counterfeiting Tools

#### Comment Deadline: April 13, 2009

In the March 6, 2009 issue of Standards Action, the formation of a proposed U.S. Technical Advisory Group (TAG) to a new ISO/TC 247, Fraud Countermeasures and Controls, and a request for approval as TAG Administrator from the North American Security Products Organization (NASPO) was announced for a 30 day public review. In addition to ISO/TC 247, this proposed TAG will also serve as the U.S. TAG to ISO/PC 246, Anti-counterfeiting tools. 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. As the original announcement did not refer to the PC 246 TAG, the announcement period will be extended one week with a new comment deadline of April 13, 2009.

For additional information, or to offer comments, please contact: Mr. Michael O'Neil, Executive Director, NASPO, 1425 K Street NW, Suite 350, Washington, DC 20005; PHONE: (202) 587-5743; FAX: (604) 921-9171; E-mail: mikeo@naspo.info (please copy jthompso@ansi.org).

## Meeting Notice

### ANSI-Accredited U.S. TAG to ISO/TC 229 – Nanotechnologies

The ANSI-Accredited U.S. TAG to ISO/TC 229 – Nanotechnologies will meet on April 2 -3, 2009 at the Offices of Sidley Austin LLP in Washington, DC. For additional information or to join the U.S. TAG, please contact Heather Benko (hbenko@ansi.org) at ANSI.

## BSR/NSFI B101.1-200x

### Foreword (4<sup>th</sup> paragraph) 3<sup>rd</sup> sentence

Contained as a part of this standard ~~are a series of informative appendices~~ is an informative appendix which will serve to assist the user in developing a comprehensive floor safety assurance program.

### Section 4: Test Procedure

This test procedure may be conducted using any recognized tribometer ~~specifically~~ designed to measure the wet static coefficient of friction (SCOF) of a floor or walkway surface under anticipated use. ~~(Appendix A)~~. Materials that are not anticipated to be used as a walkway surface are excluded from this test method and include: sand or gravel beds, stones, rough asphalt, any cloth or textile materials, or any surface that would inhibit the normal operation of the ~~approved~~ recognized testing device.

#### 4.1 Testing Device 3<sup>rd</sup> sentence

~~A list of recognized tribometers can be found in Appendix A.~~

#### Table 1.

*NOTE: These ranges were established based upon a list of approved tribometers which were in turn based on a specific set of selection criteria. As such these values contained in Table 1 have not been validated against the full range of other tribometers. Data produced by tribometers which are not designed to measure wet SCOF do not necessarily correlate to the values listed in Table 1.*

**Table 1** Remediation Column 2<sup>nd</sup> box ~~(See Appendix B)~~

**Table 1** Remediation Column 3<sup>rd</sup> box ~~(See Appendix B)~~

**Appendix A** (Informative) **A List of Recognized Tribometers** is removed from the draft standard.

**Appendix B** (Informative) **Traction Enhancing Products** is removed from the draft standard.

**Appendix C is now Appendix A**

~~NFSI B101.0-2007 "Walkway Surface Auditing Guideline for the Measurement of Walkway  
Slip Resistance"~~

**BSR/UL 109****1. Limiting the Scope of the Standard to exclude Ethanol and Biofuels****PROPOSAL****1 Scope**

1.1 These requirements cover fittings to be used in tubing carrying: ~~designated flammable or combustible fluids and refrigerants.~~

- a) Fuel gases such as acetylene, liquefied petroleum gas (LP-gas), manufactured and natural fuel gases, and other liquefied and non-liquefied flammable gases that are stable because of their composition or because of the conditions of storage,
- b) Refrigerants,
- c) Gasoline or gasohol formulated in accordance with Standard Specification for Automotive Spark-Ignition Engine Fuel, ANSI/ASTM D 4814,
- d) Diesel fuel formulated in accordance with Standard Specification for Diesel Fuel Oils, ANSI/ASTM D 975,
- e) Heating fuel oils formulated in accordance with Standard Specification for Fuel Oils, ANSI/ASTM D 396, and
- f) Kerosene formulated in accordance with Specification for Kerosine, ANSI/ASTM D 3699.

1.2 The requirements for "Marine Use" cover fittings to be used with tubing carrying ~~designated flammable or combustible fluids in the fuel systems of boats~~ gasoline or gasohol formulated in accordance with Standard Specification for Automotive Spark-Ignition Engine Fuel, ANSI/ASTM D 4814, or diesel fuel formulated in accordance with Standard Specification for Diesel Fuel Oils, ANSI/ASTM D 975..

1.3 ~~"Flammable and combustible fluids," as used herein, means gases and liquids which are usually considered to be flammable or combustible, such as acetylene, fuel oil, gasoline, kerosene, liquefied petroleum gas (LP-gas), and manufactured and natural fuel gases~~ This standard does not cover tube fittings for liquid or gaseous Biofuels or Ethanol fuels other than gasohol noted in 1.1 (c) and 1.2.

**2. Editorial Revision to 9.3****PROPOSAL**

9.3 Four samples of each size fitting are to be used for this test. The test samples are to be made up with straight run, hard drawn phosphorized tubing, copper alloy UNS No. C12200, Standard Specification for Seamless Copper Tube, Bright Annealed, ASTM B 68, Standard Specification for Seamless Copper Tube, ASTM B 75-95a, or equivalent, with a wall thickness for the size as indicated in Table 8.1. The length of the test section shall be in accordance with Table 9.1, and all fittings shall be made up and installed in accordance with the manufacturer's instructions.

## BSR/UL 1286

### PROPOSAL

1.1 These requirements cover office furnishing panels, study carrels, work stations, and pedestal-style systems that are mechanically interconnected to form an office furnishing system in accordance with the National Electrical Code, ANSI/NFPA 70. These are able to be provided with an electrical distribution system, including switches, ~~and convenience outlets~~~~receptacles~~, and channels for routing communication cables within system components separate from electrical raceways. Office furnishing systems include filing cabinets, desks, work surfaces, shelves, storage units, and similar items that have a particular electrical or mechanical function unique to an office furnishing system.

2.9.1 CORD CONNECTOR (convenience outlet) - A female contact device that is wired or molded on flexible cord and intended to be installed as part of an Office Furnishing wiring system to supply current to utilization equipment.

2.9.2 CONVENIENCE OUTLET – A female connector of one of the configurations covered in the Standard for Wiring Devices - Dimensional Requirements, ANSI/NEMA WD6 that is provided for the connection of a small appliance, a work light, or similar product.

2.29 RACEWAY, PASS-THROUGH FURNISHING - A raceway that is electrically connected between other raceways and does not have provisions for convenience ~~outlets~~~~receptacles~~ or other means for drawing power from the supply source.

2.29.1 RECEPTACLE, CONVENIENCE (convenience outlet) - A female contact device intended to be installed as part of an Office Furnishing wiring system to supply current to utilization equipment.

2.40 USER SERVICING - Any form of servicing that is intended to be performed by personnel other than qualified service personnel. Some examples of user servicing are:

- a) The attachment of accessories by means of attachment plugs, ~~and receptacles~~ convenience outlets or by means of other separable connections.

7.4 Installation of an electrical accessory by the user shall be restricted to an arrangement by which the electrical connections are accomplished by means of mating connectors, ~~or attachment plugs and receptacles,~~ or attachment plugs and cord connectors.

9.4 A polymeric material used as the sole enclosure for live parts (other than low-voltage) shall be Class V-0, 5VA, or 5VB in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94.

*Exception No. 1: A polymeric component, such as a receptacle, mating attachment plug for receptacle, or convenience receptacle that complies with the requirements in the Standard for Attachment Plugs and Receptacles, UL 498, meets the intent of this requirement.*

Exception No 2: A polymeric component of a cord connector shall comply with the requirements of section 14.4.3.

### **14.4 Convenience ~~receptacles~~Outlets**

#### **14.4.1 General Receptacles**

14.4.1.1A A receptacle utilizing flexible cord shall also comply with the Standard for Cord Sets and Power-Supply Cords, UL 817.

14.4.1.1B Polymeric materials that are in direct contact with uninsulated live parts shall comply with the material requirements of the Standard for Attachment Plugs and Receptacles, UL 498.

14.4.1.1C Flexible cord shall be of the "ST or SJT" type.

14.4.1.1D Receptacles rated 15 A may utilize 14 AWG (2.1 mm<sup>2</sup>) conductors.

### **14.4.3 Cord Connector Outlets**

14.4.3.1 Flexible cord assemblies provided with a female cord connector that is provided for the connection of a small appliance, a work light, or similar product shall comply with the Standard for Cord Sets and Power-Supply Cords, UL 817, and the following additional requirements:

- a) The cord shall be of the ST or SJT type;
- b) The cord assembly shall not exceed 2ft (610mm) in length from the supply connection to the face of the female cord connector body;
- c) Polymeric materials in direct contact with uninsulated live parts shall comply with the material requirements of the Standard for Attachment Plugs and Receptacles, UL 498
- d) The interface between the cord and the supply connection shall comply with the Strain-Relief Tests, section 27.
- e) Cord connectors with a 15 Ampere configuration shall be supplied by minimum 14 AWG copper conductors. Cord connectors with a 20 Ampere configuration shall be supplied by minimum 12 AWG copper conductors.

14.4.3.2 A cord connector convenience outlet shall be constructed so that when in its at rest position its face is in a vertical plane.

*Exception: A cord connector when in its at rest position results in its face not in a vertical plane shall comply with the Spill Test, Section 30.*

18.2 A lighting attachment shall not be provided with a convenience ~~receptacle~~ outlet.

19.1.3 A switch, ~~attachment-plug receptacle~~, cord connector or other component that is intended to be handled by the user shall be prevented from turning, loosening, or otherwise becoming disengaged from its mounting panel.

19.4.1 A channel (for example, a snap-on wire router) employed or supplied for the purpose of routing flexible cord of accessories or portable appliances used with the system shall:

- a) Be securely fastened to and supported by a single unit or work surface of the system, or the equivalent,
- b) Be smooth and free of burrs, sharp edges, or other projections that damage the insulation on the cord,
- c) Be provided for cord routing only from a work surface or similar area to a convenience outlet ~~receptacle~~ either on the work surface or the unit to which the surface is mounted, or on an immediately adjacent office furnishing unit,

### **30.1 Procedure**

30.1.1 With reference to the Exception to 14.4.1.4 and 14.4.3.2 following the testing described in 30.1.2 - 30.1.4, the convenience outlet ~~receptacle~~ assembly shall comply with Spill Test Dielectric Voltage-Withstand Test, 30.2.

30.1.2 A convenience outlet ~~receptacle~~ is to be mounted as intended in the office furnishing. Suppressor elements, across-the-line or solid state connected components are to be disconnected, removed or bypassed prior to the test. All covers are to be opened. A cover that does not require a tool to remove is to

be removed. Covers that tend to close themselves are to be allowed to fall to their natural resting position. When more than one convenience ~~outlet receptacle~~ is enclosed by a single self-closing cover, one standard 2-wire power-supply cord with a parallel blade attachment plug, NEMA 1-15P plug configuration, is to be mated with an outlet in order to hold the outlet cover open. The cord shall exit the receptacle or cord connector assembly as allowed by the cover. The receptacle or cord connector assembly shall be un-energized and shall remain undisturbed throughout the test sequence.

30.1.2.1 A cord connector shall be manually manipulated to any position allowed by the construction of the furnishing and released so that it returns to its at rest position for the spill test.

30.1.4 The test cup, as described in 30.1.3, is to be placed on a 45 - 47 degree incline plane from the horizontal surface. The incline plane is to be large enough to support the entire base of the cup. The leading edge of the test cup base is to be positioned on the test surface 4 to 4.25 inches (10.2 to 10.8 cm) in from the edge of the unit. See Figures 30.1 and 30.2. The test cup is to be placed so that the rim of the cup, when tipped over, is aligned with the receptacle or cord connector face. See Figure 30.3. If a plug is inserted, the cup is to be aligned with a receptacle or cord connector without the inserted plug. The cup is then to be manually tilted toward the receptacle or cord connector under test and allowed to fall by gravity toward the receptacle or cord connector.

## **30.2 Spill test dielectric voltage-withstand test**

30.2.1 A receptacle or cord connector assembly shall be undisturbed following the spill test and shall withstand an applied potential of 1240 V, or 1000 V plus two times the supply voltage, whichever is higher.

30.2.2 For receptacle or cord connector assemblies provided with metallic enclosures, the potential shall be applied one minute after the spill test cup is released. The potential shall be applied between any live part conductively connected to the supply circuit and any dead metal part and the enclosure.

30.2.3 For receptacle or cord connector assemblies provided with non-metallic enclosures, one minute after the test cup is released, without un-mounting the sample, metal foil is to be wrapped around all of the accessible enclosure areas containing live parts. Metal foil is not to be placed over receptacle or cord connector faces. The metal foil shall closely conform to the shape of the enclosure. Immediately after application of the metal foil, the potential shall be applied between any live part conductively connected to the supply circuit and any dead metal part or metal foil applied to the enclosure.

38.11 Each convenience ~~receptacle~~ outlet shall be marked by a letter, number, color, or a similar designation to indicate the circuit in the system to which the receptacle is connected. The identification shall be consistent throughout the system, and with any markings on the diagram for branch-circuit connections. The marking shall be visible without disassembly of the product.