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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: March 13, 2011

### NSF (NSF International)

#### Revisions

BSR/NSF 173-201x (i18), Dietary Supplements (revision of ANSI/NSF 173-2009)

Issue 18: Incorporates language into Standard 173 for the assessment and evaluation of allergen-free claims. Test methods to be employed and detection levels for raw ingredients and finished products are described. The addition of this section will document the practices that have been taken regarding allergen label claim verification since initial application of Standard 173.

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

Send comments (with copy to BSR) to: Joan Hoffman, (734) 769-5159, [jhoffman@nsf.org](mailto:jhoffman@nsf.org)

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 325-201x, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2010)

Adds requirements for horizontally sliding residential garage door operators and systems.

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

Send comments (with copy to BSR) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@us.ul.com](mailto:Amy.K.Walker@us.ul.com)

BSR/UL 1446-201x, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2010a)

Revises requirements for Magnet Wire coatings in Paragraph 5.1.2 of UL 1446.

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

Send comments (with copy to BSR) to: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@us.ul.com](mailto:Derrick.L.Martin@us.ul.com)

BSR/UL 1569-201x, Standard for Safety for Metal-Clad Cables (revision of ANSI/UL 1569-2009)

Clarifies markings for wet locations cable.

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

Send comments (with copy to BSR) to: Camille Alma, (631) 271-6200, [Camille.A.Alma@us.ul.com](mailto:Camille.A.Alma@us.ul.com)

BSR/UL 1638-201x, Standard for Safety for Visual Signaling Appliances - Private-Mode Emergency and General Utility Signaling (revision of ANSI/UL 1638-2008)

Adds polarity reversal tests and gasket materials tests.

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

Send comments (with copy to BSR) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@us.ul.com](mailto:Kristin.L.Andrews@us.ul.com)

BSR/UL 2238-201x, Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2009A)

Adds requirements for surge protective devices.

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

Send comments (with copy to BSR) to: Megan VanHeirseeele, (847) 664-2881, [Megan.M.VanHeirseeele@us.ul.com](mailto:Megan.M.VanHeirseeele@us.ul.com)

## Comment Deadline: March 28, 2011

### ASTM (ASTM International)

The URL to search for scopes of ASTM standards is:

<http://www.astm.org/dsearch.htm>

For reaffirmations and withdrawals, order from: Customer Service, ANSI

For new standards and revisions, order from: Karen Wilson, ASTM;

[kwilson@astm.org](mailto:kwilson@astm.org)

For all ASTM standards, send comments (with copy to BSR) to:

Karen Wilson, ASTM; [kwilson@astm.org](mailto:kwilson@astm.org)

#### New Standards

BSR/ASTM WK19876-201x, Test Method for Bicycle Handlebar Grips (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: Free

BSR/ASTM WK22081-201x, Test Method for Permeability of Synthetic Turf Sports Field Base Stone and Surface System by Non-Confined Area Flood Test Method (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: Free

BSR/ASTM WK23145-201x, Guide for Equipment Technology and Operations for Mobile and Plant-Based Secure Destruction - Safety Requirements (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: Free

BSR/ASTM WK24626-201x, Specification for Condition 1 Bicycle Forks (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: Free

#### Revisions

BSR/ASTM E2148-201x, Guide for Using Documents Related to Metalworking or Metal Removal Fluid Health and Safety (revision of ANSI/ASTM E2148-2006)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F963-201x, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2009)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$62.00

BSR/ASTM F1750-201x, Specification for Paintball Marker Threaded-Propellant Source Interface (revision of ANSI/ASTM F1750-2005 (R2010))

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2030-201x, Specification for Paintball Cylinder Burst Disk Assemblies (revision of ANSI/ASTM F2030-2008)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2271-201x, Specification for Paintball Marker Barrel Blocking Devices (revision of ANSI/ASTM F2271-2010)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2272-201x, Specification for Paintball Markers (revision of ANSI/ASTM F2272-2010)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$39.00

BSR/ASTM F2273-201x, Test Methods for Bicycle Forks (revision of ANSI/ASTM F2273-2003)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$39.00

BSR/ASTM F2274-201x, Specification for Condition 3 Bicycle Forks (revision of ANSI/ASTM F2274-2003)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2398-201x, Test Method for Measuring Moment of Inertia and Center of Percussion of a Baseball or Softball Bat (revision of ANSI/ASTM F2398-2010)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2440-201x, Specification for Indoor Wall/Feature Padding (revision of ANSI/ASTM F2440-2005 (R2010))

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2479-201x, Guide for Specification, Purchase, Installation and Maintenance of Poured-in-Place Playground Surfacing (revision of ANSI/ASTM F2479-2010)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$39.00

BSR/ASTM F2553-201x, Specification for Warnings on Refillable CO2 Cylinders Used in the Sport of Paintball (revision of ANSI/ASTM F2553-2008)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2653-201x, Specification for Paintball Valve Male Threaded Connection for Use with Approved Cylinders (revision of ANSI/ASTM F2653-2007)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2773-201x, Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders (revision of ANSI/ASTM F2773-2009)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

BSR/ASTM F2801-201x, Practice for Paintball Player Safety Briefing (revision of ANSI/ASTM F2801-2009)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

### **Reaffirmations**

BSR/ASTM F1163-2001 (R201x), Specification for Protective Headgear Used in Horse Sports and Horseback Riding (reaffirmation of ANSI/ASTM F1163-2001)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$34.00

### **Withdrawals**

ANSI/ASTM F1931-1998 (R2004), Test Method for Characterization of Gymnastic Landing Mats and Floor Exercise Surfaces (withdrawal of ANSI/ASTM F1931-1998 (R2004))

Single copy price: \$34.00

### **AWS (American Welding Society)**

#### **Reaffirmations**

BSR/AWS C6.2/C6.2M-2006 (R201x), Specification for Friction Welding of Metals (reaffirmation of ANSI/AWS C6.2/C6.2M-2006)

Provides for the qualification of friction welding machines, procedures, and training of welding operators. Qualification of the welding procedure specification (WPS) includes the material specifications involved, weld joint design, destructive and nondestructive examination requirements, as well as guidelines for different categories of quality assurance. Qualification of welding equipment includes weld parameter control and weld reproducibility.

Single copy price: \$25.00

Obtain an electronic copy from: [roneill@aws.org](mailto:roneill@aws.org)

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

Send comments (with copy to BSR) to: Andrew Davis, AWS; [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

### **AWWA (American Water Works Association)**

#### **Revisions**

BSR/AWWA B502-201x, Sodium Polyphosphate, Glassy (Sodium Hexametaphosphate) (revision of ANSI/AWWA B502-2005)

Describes sodium polyphosphate, glassy, for use in the treatment of potable water, wastewater, and reclaimed water. This material is also known as sodium hexamataphosphate, sodium tetrapolyphosphate, and Graham's salt.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

Send comments (with copy to BSR) to: Same

BSR/AWWA B503-201x, Sodium Tripolyphosphate (revision of ANSI/AWWA B503-2005)

Describes sodium tripolyphosphate for use in the treatment of potable water, wastewater, and reclaimed water.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

Send comments (with copy to BSR) to: Same

BSR/AWWA D100-201x, Welded Carbon Steel Tanks for Water Storage (revision of ANSI/AWWA D100-2005)

Provide minimum requirements for the design, construction, inspection, and testing of new welded carbon steel tanks for the storage of water at atmospheric pressure.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

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**Addenda**

BSR/AWWA B300a-201x, Hypochlorites (addenda to ANSI/AWWA B300-2010)

Describes chlorinated lime, calcium hypochlorite, and sodium hypochlorite for use in water, wastewater, and reclaimed water treatment.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

Send comments (with copy to BSR) to: Same

**ISA (ISA)****Reaffirmations**

BSR/ISA 61241-2 (12.10.06)-2007 (R201x), Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Pressurization "pD" (reaffirmation of ANSI/ISA 61241-2 (12.10.06)-2007)

Gives requirements on the design, construction, testing and marking of electrical apparatus for use in combustible dust atmospheres in which a protective gas (air or inert gas), maintained at a pressure above that of the external atmosphere, is used to prevent the entry of dust that might otherwise lead to the formation of a combustible mixture within enclosures that do not contain a source of combustible dust.

Single copy price: \$107.00

Obtain an electronic copy from: [ebeattie@isa.org](mailto:ebeattie@isa.org)

Order from: Eliana Beattie, (919) 990-9228, [ebeattie@isa.org](mailto:ebeattie@isa.org)

Send comments (with copy to BSR) to: Same

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

BSR INCITS 478-201x, Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) (new standard)

Defines a number of incremental enhancements to the SAS-2 standard, including active cables, additional connectors, and power management. Beginning with SAS-2.1, the protocol layer is split out into a separate standard, SAS Protocol Layer, (SPL).

Single copy price: \$30.00

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

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

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

BSR INCITS 481-201x, Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (new standard)

Defines the fourth-generation Fibre Channel Protocol to be used to transport SCSI commands over the T11 Fibre Channel interface.

Single copy price: \$30.00

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

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

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

**KCMA (Kitchen Cabinet Manufacturers Association)****Revisions**

BSR/KCMA A161.1-201x, Performance and Construction Standard for Kitchen and Vanity Cabinets (revision of ANSI/KCMA A161.1-2000 (R2005))

Establishes a nationally recognized performance standard for factory-manufactured and factory-finished kitchen and vanity cabinets. This standard may also be used to evaluate cabinet quality when using new construction methods and/or materials.

Single copy price: \$25.00

Obtain an electronic copy from: [tzinn@kcma.org](mailto:tzinn@kcma.org)

Order from: Terry Zinn, (703) 264-1690, [tzinn@kcma.org](mailto:tzinn@kcma.org)

Send comments (with copy to BSR) to: Same

**NEMA (ASC C12) (National Electrical Manufacturers Association)****Revisions**

BSR C12.10-201x, Physical Aspects of Watthour Meters - Safety Standard (revision of ANSI C12.10-2004)

Covers the physical aspects of both detachable and bottom-connected watthour meters and associated registers. These include ratings, internal wiring arrangements, pertinent dimensions, markings and other general specifications. Refer to the latest versions of ANSI C12.1 and ANSI C12.20 for performance requirements.

Single copy price: \$85.00

Order from: NEMA

Send comments (with copy to BSR) to: Paul Orr, (703) 841-3227, [Pau\\_orr@nema.org](mailto:Pau_orr@nema.org)

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

BSR/NSF 14-201x (i36), Plastics piping system components and related materials (revision of ANSI/NSF 14-2010)

Issue 36: To update Section 2, Normative References, of ANSI/NSF 14.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/download.php/10976/14i36r2e.pdf](http://standards.nsf.org/apps/group_public/download.php/10976/14i36r2e.pdf)

Order from: Adrienne O'Day, (734) 827-5676, [oday@nsf.org](mailto:oday@nsf.org)

Send comments (with copy to BSR) to: Same

BSR/NSF 53-201x (i78), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-201x)

Issue 78 - The purpose of this ballot is to include EPA methods 524.2 and 524.3 for VOC analysis to Table 7.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=10933](http://standards.nsf.org/apps/group_public/document.php?document_id=10933)

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

Send comments (with copy to BSR) to: Same

BSR/NSF 173-201x (i30), Dietary Supplements (revision of ANSI/NSF 173-2009)

Issue 30: Updates Sections 5.3.4 (Natural toxins) and 7.4 (Test methods for chemical contaminants) of ANSI/NSF 173, and revises Table A1 (Botanicals known or suspected to contain aristolochic acid).

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/ballot.php?id=1572](http://standards.nsf.org/apps/group_public/ballot.php?id=1572)

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

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**SHRM (Society for Human Resource Management)****New Standards**

BSR/SHRM 06001-200x, Cost Per Hire (new standard)

Provides a tool to allow an organization to determine accurate and comparable costs of recruitment through a standard algorithm to calculate of the recruiting costs to be incorporated into cost-per-hire. Standard is structured at a high level. Specific consideration and responses are also addressed for consideration by individual organizations based on specific hiring environments and requirements.

Single copy price: Free

Obtain an electronic copy from: [http://hrstandardsworkspace.shrm.org/apps/org/workgroup/shrm-staff/download.php/3055/latest/ANSI-SHRM\\_06001-201X-Cost\\_Per\\_Hire\\_Standard-draft-01-31-2011.pdf](http://hrstandardsworkspace.shrm.org/apps/org/workgroup/shrm-staff/download.php/3055/latest/ANSI-SHRM_06001-201X-Cost_Per_Hire_Standard-draft-01-31-2011.pdf)

Order from: Lee Webster, (703) 535-6047, HRSTDS@SHRM.ORG

Send comments (with copy to BSR) to: Same

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standards**

BSR/TAPPI T 263 sp-201x, Identification of wood and fibers from conifers (new standard)

Deals with the identification of wood from conifers and also permits determination of the coniferous origin of fibers in pulp and paper. The majority of the species described are found in the continental United States and Canada; however, several exotic species found in commercial channels are also included.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

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

Send comments (with copy to BSR) to: [standards@tappi.org](mailto:standards@tappi.org)

**UL (Underwriters Laboratories, Inc.)****New Standards**

BSR/UL 1411-201x, Standard for Safety for Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances (new standard)

Covers transformers, autotransformers, and motor-transformers intended for use in audio-, radio-, and television-type appliances in which the primary winding is connected across the supply circuit.

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: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@us.ul.com](mailto:Derrick.L.Martin@us.ul.com)

BSR/UL 1876-201x, Standard for Safety for Isolating Signal and Feedback Transformers for Use in Electronic Equipment (new standard)

Covers isolating signal and feedback transformers for use in electronic equipment where only audio, video, and other signal waveforms are transformed. These transformers are intended to provide isolation from circuits that are either conductively connected to a branch circuit supply or connected to secondary circuits involving voltages that are considered to present a risk of electric shock by the nature of their use in an end-product.

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: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@us.ul.com](mailto:Derrick.L.Martin@us.ul.com)

**Revisions**

BSR/UL 1278-201x, Standard for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2010)

Covers:

(3) Code label warning size and information.

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)

**VITA (VMEbus International Trade Association (VITA))****Stabilized Maintenance: See 3.3.3 of ANSI Essential Requirements**

BSR/VITA 1.6-2000 (S201x), Keying for Conduction Cooled VME64x (stabilized maintenance of ANSI/VITA 1.6-2000 (R2005))

This standard is an extension of the VME64x Standard, ANSI/VITA 1.1-1997, approved October 7, 1998. It defines a keying system that can be added to VME64x boards and backplanes in a conduction cooled environment (IEEE 1101.2) where keying as defined in the VME64 Extensions standard cannot be applied.

Single copy price: \$25.00

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

Send comments (with copy to BSR) to: John Rynearson, (480) 837-7486, [techdir@vita.com](mailto:techdir@vita.com)

BSR/VITA 30-2000 (S201x), 2mm Connector Practice for Euroboard Systems (stabilized maintenance of ANSI/VITA 30-2000 (R2005))

Defines an equipment practice based on a combination of 2-mm connectors, in accordance with IEC 61076-4-101; and subracks, racks, and printed boards based on the Euroboard form factors.

Single copy price: \$50.00

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

Send comments (with copy to BSR) to: John Rynearson, (480) 837-7486, [techdir@vita.com](mailto:techdir@vita.com)

BSR/VITA 35-2000 (S201x), PMC-P4 Pin Out Mapping to VME-P0 and VME64x-P2 (stabilized maintenance of ANSI/VITA 35-2000 (R2005))

Provides pin-mapping assignments between a PCI Mezzanine Card (PMC) module's user IO connector (P4) and the VME host's user IO connector. Four mappings are provided.

Single copy price: \$25.00

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

Send comments (with copy to BSR) to: John Rynearson, (480) 837-7486, [techdir@vita.com](mailto:techdir@vita.com)

# 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:

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### AWS

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

### AWWA

American Water Works  
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6666 West Quincy Avenue  
Denver, CO 80235  
Phone: (303) 347-6178  
Fax: (303) 795-7603  
Web: [www.awwa.org](http://www.awwa.org)

### comm2000

1414 Brook Drive  
Downers Grove, IL 60515

### Global Engineering Documents

Global Engineering Documents  
15 Inverness Way East  
Englewood, CO 80112-5704  
Phone: (800) 854-7179  
Fax: (303) 379-2740

### ISA (Organization)

ISA-The Instrumentation, Systems,  
and Automation Society  
67 Alexander Drive  
Research Triangle Park, NC  
27709  
Phone: (919) 990-9228  
Fax: (919) 549-8288  
Web: [www.isa.org](http://www.isa.org)

### KCMA

Kitchen Cabinet Manufacturers  
Association  
1899 Preston White Drive  
Reston, VA 20191-5435  
Phone: (703) 264-1690  
Fax: (703) 620-6530

### NEMA (ASC C12)

National Electrical Manufacturers  
Association  
1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3227  
Fax: (703) 841-3327  
Web: [www.nema.org](http://www.nema.org)

### NSF

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-5676  
Fax: (734) 827-7880  
Web: [www.nsf.org](http://www.nsf.org)

### SHRM

Society for Human Resource  
Management  
1800 Duke Street  
Alexandria, VA 22315  
Phone: (703) 535-6047  
Fax: (703) 535-6432  
Web: [www.shrm.org](http://www.shrm.org)

### TAPPI

Technical Association of the Pulp  
and Paper Industry  
15 Technology Parkway South  
Norcross, GA 30033  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

## Send comments to:

### **ASTM**

ASTM International  
100 Barr Harbor Drive

West Conshohocken, PA  
19428-2959  
Phone: (610) 832-9743  
Fax: (610) 834-3655  
Web: [www.astm.org](http://www.astm.org)

### **AWS**

American Welding Society

550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (305) 443-9353, Ext. 466  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **AWWA**

American Water Works  
Association

6666 West Quincy Avenue  
  
Denver, CO 80235  
Phone: (303) 347-6178  
Fax: (303) 795-7603  
Web: [www.awwa.org](http://www.awwa.org)

### **ISA (Organization)**

ISA-The Instrumentation, Systems,  
and Automation Society

67 Alexander Drive  
Research Triangle Park, NC  
27709  
Phone: (919) 990-9228  
Fax: (919) 549-8288  
Web: [www.isa.org](http://www.isa.org)

### **ITI (INCITS)**

InterNational Committee for  
Information Technology  
Standards

1101 K Street NW, Suite 610  
Washington, DC 20005  
Phone: (202) 626-5743  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **KCMA**

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Association

1899 Preston White Drive  
Reston, VA 20191-5435  
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Fax: (703) 620-6530

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National Electrical Manufacturers  
Association

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Rosslyn, VA 22209  
Phone: (703) 841-3227  
Fax: (703) 841-3327  
Web: [www.nema.org](http://www.nema.org)

### **NSF**

NSF International

789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 769-5159  
Fax: (734) 827-6176  
Web: [www.nsf.org](http://www.nsf.org)

### **SHRM**

Society for Human Resource  
Management

1800 Duke Street  
Alexandria, VA 22315  
Phone: (703) 535-6047  
Fax: (703) 535-6432  
Web: [www.shrm.org](http://www.shrm.org)

### **TAPPI**

Technical Association of the Pulp  
and Paper Industry

15 Technology Parkway South  
Norcross, GA 30033  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

### **UL**

Underwriters Laboratories, Inc.

455 E. Trimble Rd.  
San Jose, CA 95131-1230  
Phone: (408) 754-6656  
Fax: (408) 689-6656  
Web: [www.ul.com/](http://www.ul.com/)

### **VITA**

VMEbus International Trade  
Association (VITA)

PO Box 19658  
Fountain Hills, AZ 85269  
Phone: (480) 837-7486  
Fax: (480) 837-7486  
Web: [www.vita.com/](http://www.vita.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.

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## ISA (ISA)

**Office:** 67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** *Eliana Beattie*

**Phone:** (919) 990-9228

**Fax:** (919) 549-8288

**E-mail:** ebeattie@isa.org

BSR/ISA 60079-15 (12.12.02)-201x, Explosive Atmospheres - Part 15: Equipment protection by type of protection "n" (revision of ANSI/ISA 60079-15 (12.12.02)-2009)

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

**Office:** 1101 K Street NW, Suite 610  
Washington, DC 20005

**Contact:** *Barbara Bennett*

**Phone:** (202) 626-5743

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

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

BSR INCITS 478-201x, Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) (new standard)

BSR INCITS 481-201x, Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (new standard)

INCITS/ISO/IEC 29183-201x, Information technology - Office equipment - Method for measuring digital copying productivity of a single one-sided original (identical national adoption of ISO/IEC 29183:2010)

## KCMA (Kitchen Cabinet Manufacturers Association)

**Office:** 1899 Preston White Drive  
Reston, VA 20191-5435

**Contact:** *Terry Zinn*

**Phone:** (703) 264-1690

**Fax:** (703) 620-6530

**E-mail:** tzinn@kcma.org

BSR/KCMA A161.1-201x, Performance and Construction Standard for Kitchen and Vanity Cabinets (revision of ANSI/KCMA A161.1-2000 (R2005))

## MSS (Manufacturers Standardization Society)

**Office:** 127 Park Street, NE  
Vienna, VA 22180-4602

**Contact:** *Robert O'Neill*

**Phone:** (703) 281-6613

**Fax:** (703) 281-6671

**E-mail:** boneill@mss-hq.org

BSR/MSS SP-58-201x, Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation (new standard)

## NEMA (ASC C37) (National Electrical Manufacturers Association)

**Office:** 1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209

**Contact:** *Gerard Winstanley*

**Phone:** (703) 841-3297

**Fax:** (703) 841-3397

**E-mail:** ger\_winstanley@nema.org

BSR C37.50-201x, Low Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2010)

## SHRM (Society for Human Resource Management)

**Office:** 1800 Duke Street  
Alexandria, VA 22315

**Contact:** *Lee Webster*

**Phone:** (703) 535-6047

**Fax:** (703) 535-6432

**E-mail:** HRSTDS@SHRM.ORG

BSR/SHRM 06001-200x, Cost Per Hire (new standard)

## UL (Underwriters Laboratories, Inc.)

**Office:** 333 Pflingsten Road  
Northbrook, IL 60062

**Contact:** *Megan VanHeirseele*

**Phone:** (847) 664-2881

**Fax:** (847) 313-2881

**E-mail:** Megan.M.VanHeirseele@us.ul.com

BSR/UL 2238-201x, Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2009A)



# 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.

## **APCO (Association of Public-Safety Communications Officials-International)**

### ***New Standards***

ANSI/APCO 3.103.1-2010, Minimum Training Standards for Public Safety Telecommunicators (new standard): 2/7/2011

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

### ***New Standards***

ANSI X9.100-182-2011, Bulk Image and Data Schema (new standard): 2/7/2011

## **HL7 (Health Level Seven)**

### ***Revisions***

ANSI/HL7 CMS V1.6-2011, HL7 Context Management Specification, Version 1.6 (revision of ANSI/HL7 CMS V1.5-2004 (R2009)): 2/7/2011

## **ISA (ISA)**

### ***New Standards***

ANSI/ISA 77.82.01-2011, Selective Catalytic Reduction (SCR) Control Systems (new standard): 2/7/2011

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

### ***New Standards***

ANSI/TIA 470.120-C-2011, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Speakerphones (new standard): 2/7/2011

# Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit [www.NSSN.org](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:** 4301 N Fairfax Drive  
Suite 301  
Arlington, VA 22203-1633

**Contact:** *Hillary Woehrle*

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

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

BSR/AAMI TIRXX-201x, Guidance on the use of agile practices in the development of medical device software (new standard)

Stakeholders: Manufacturers, regulators.

Project Need: Agile software development has become an accepted method for developing software products. There have been questions from both manufacturers and regulators as to whether (or which) agile practices are appropriate for developing medical device software. Enough medical device manufacturers have implemented agile practices in their software development that answers to these questions can be documented.

Provides recommendations for complying with international standards and FDA guidance documents when using agile practices to develop medical device software.

BSR/AAMI/IEC 62304-201x, Medical device software - Software life cycle processes (identical national adoption and revision of ANSI/AAMI/IEC 62304, Ed.1-2006)

Stakeholders: Manufacturers.

Project Need: Some enhancements were identified.

Specifies requirements for medical device software life cycle processes including primary life cycle development and maintenance processes, and supporting processes such as software hazard management, documentation, configuration management, verification and problem resolution. Applies to software that is a stand-alone medical device and to software that is an embedded or integral part of the final device and includes a compliance section based on whether or not the software can cause a hazard or controls risk.

## **ANS (American Nuclear Society)**

**Office:** 555 North Kensington Avenue  
La Grange Park, IL 60525

**Contact:** *Patricia Schroeder*

**Fax:** (708) 352-6464

**E-mail:** [pschroeder@ans.org](mailto:pschroeder@ans.org)

BSR/ANS 8.28-201x, Administrative Practices for the Use of Non-Destructive Assay Measurements for Nuclear Criticality Safety (new standard)

Stakeholders: DOE and NRC contractor and licensee communities.

Project Need: Non-Destructive Assay (NDA) measurements of fissionable material are made for many purposes with varying data quality objectives. This has often caused confusion on the part of both the NDA community and the criticality safety community in communicating measurement needs for criticality safety uses.

Provides administrative practices covering the interface between the criticality safety community and the NDA community including in-situ measurements and measurements of containerized materials.

BSR/ANS 58.16-201x, Safety Classification and Design Criteria for Non-Reactor Nuclear Facilities (new standard)

Stakeholders: U.S. Nuclear Regulatory Commission, U.S. Department of Energy, other regulatory authorities, Owners, Designers, Constructors, and operators of Nuclear Facilities.

Project Need: Non-reactor nuclear facilities, such as spent fuel, nuclear material and waste storage and processing facilities, require standards for supporting consistent identification of safety classification, functional boundaries, and performance requirements to ensure consistency in the design, operations, and maintenance of Structures, Systems and Components (SSC) for the protection of the public, workers and the environment from all hazardous materials inherent to these types of facilities.

Provides guidance and criteria for the safety classification of safety functions and associated hazard controls [such as, structures, systems, components (SSCs) and administrative controls] associated with nuclear safety in non-reactor nuclear facilities. This standard provides guidance on how to derive safety functions and the design and operational requirements to satisfy these functions. It also associates the safety classification of hazard controls to engineering (e.g., civil/structural, mechanical, electrical) and programmatic (e.g., QA) classification levels.

**ASIS (ASIS International)**

**Office:** 1625 Prince Street  
Alexandria, VA 22314-2818

**Contact:** *Aivelis Opicka*

**E-mail:** aivelis.opicka@asisonline.org

BSR/ASIS SPC.5-201x, Community Resilience: Guidance on Capacity Building and Public-Private Partnerships (new standard)

Stakeholders: Organizations of all types and sizes; the public sector responsible for addressing disruptive events; Community; not-for-profit organizations and foundations; educational institutions; emergency and disasters relief agencies and organizations: professional security, crisis, emergency response and continuity practitioners and consultants.

Project Need: Communities need to find more practical, efficient and cost-effective ways to prevent, respond to, and recover from disruptive events through better coordination and capacity sharing on the individual, organizational, and community levels to assure a more resilient society. This includes capacity identification, assessment and management through better defined public-private partnerships.

The guidance standard builds on the ASIS SPC.1-2009, Organizational Resilience Standard. The proposed standard provides guidance to address the interfaces between individual, organizational and community resilience to enhance public-private partnerships and resilience planning. Using the PDCA model, it will address risk and capacity identification, assessment, control and sharing to better prevent, prepare for, respond to, and recover from disruptions to help communities and public-private partnering.

**ASME (American Society of Mechanical Engineers)**

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

**Contact:** *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** ansibox@asme.org

BSR/ASME B18.2.6-201x, Fasteners for Use in Structural Applications (Supplement) (supplement to ANSI/ASME B18.2.6-2010)

Stakeholders: Manufacturers of fasteners for use in structural applications.

Project Need: A supplement is being prepared to correct an omission in Table 1 of the Standard.

Covers the complete general and dimensional data for five products in the inch series recognized as an American National Standard. These five structural products include:

- (a) Heavy Hex Structural Bolts: ASTM A325 and ASTM A490;
- (b) Heavy Hex Nuts: ASTM A563 and ASTM A194;
- (c) Hardened Steel Washers; Circular, Circular Clipped, and Beveled: ASTM F436;
- (d) Compressible Washer-Type Direct Tension Indicators: ASTM F959; and
- (e) Twist-Off-Type Tension Control Structural Bolts: Heavy Hex and Round: ASTM F1852 and ASTM F2280.

**ASSE (American Society of Sanitary Engineering)**

**Office:** 901 Canterbury Road, Suite A  
Westlake, OH 44145-1480

**Contact:** *Steve Hazzard*

**Fax:** (440) 835-3488

**E-mail:** steve@asse-plumbing.org

BSR/ASSE 1060-201x, Performance Requirements for Outdoor Enclosures for Fluid Conveying Components (revision of ANSI/ASSE 1060-2006)

Stakeholders: Construction and plumbing industries.

Project Need: Updates and revises the current standard.

Details the requirements of outdoor enclosures for fluid-conveying components and includes enclosure types for freezing and non-freezing locations. Enclosures are designed to protect backflow prevention assemblies and devices, water/gas meters, control valves, pressure-reducing valves, air-release valves, pumps, etc., from freezing and/or for system security.

BSR/ASSE 1061-201x, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2006)

Stakeholders: Construction and plumbing industries.

Project Need: Revises and updates the current standard.

Establishes minimum performance requirements for push-fit fittings and push-fit connections that are integrated into plumbing devices. These fittings are intended for use in hot and cold potable water distribution and hydronic heating systems in residential and commercial applications.

**ASTM (ASTM International)**

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

**Contact:** *Jeff Richardson*

**Fax:** (610) 834-7067

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

BSR/ASTM WK31813-201x, New Practice for for Air Soft Game Field Operation (new standard)

Stakeholders: Sports equipment and facilities industry.

Project Need: Establishes minimum safety requirements for the operation of air-soft playing fields, and provides for certain materials and procedures required.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK31813.htm>

BSR/ASTM WK31820-201x, New Test Method for Measuring the Field Performance of Commercial Kitchen Ventilation Systems (new standard)

Stakeholders: Commercial kitchen ventilation industry.

Project Need: Measures and validates successful design, installation and commissioning of commercial kitchen HVAC and makeup air systems for specific installations.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK31820.htm>

**ATIS (Alliance for Telecommunications Industry Solutions)**

**Office:** 1200 G Street, NW  
Suite 500  
Washington, DC 20005

**Contact:** Kerriane Conn

**Fax:** (202) 347-7125

**E-mail:** kconn@atis.org

BSR ATIS 0900101-201x, Synchronization Interface Standard (revision of ANSI ATIS 0900101-2006)

Stakeholders: Communications industry.

Project Need: To revise this standard, which describes synchronization interfaces for the North American digital telecommunication hierarchy. Compliance with this standard is necessary to achieve satisfactory interworking of telecommunications networks.

Describes synchronization interfaces for the North American digital telecommunication hierarchy. Compliance with this standard is necessary to achieve satisfactory interworking of telecommunications networks.

**AWS (American Welding Society)**

**Office:** 550 N.W. LeJeune Road  
Miami, FL 33126

**Contact:** Rosalinda O'Neill

**Fax:** (305) 443-5951

**E-mail:** roneill@aws.org

BSR/AWS A5.4/A5.4M-201x, Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.4/A5.4M-2006)

Stakeholders: Welding industry.

Project Need: Adds the boron reporting requirement in certain conditions.

Composition and other requirements are specified for more than forty classifications of covered stainless steel welding electrodes. The requirements include general requirements, testing, and packaging. Annex A provides application guidelines and other useful information about the electrodes. This specification makes use of both U.S. Customary Units and the International System of Units [SI]. Since these are not equivalent, each system must be used independently of the other.

**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 IDMP DOSE, R1-201x, HL7 Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Information on Pharmaceutical Dose Forms, Units of Presentation and Routs of Administration, Release 1 (new standard)

Stakeholders: Pharmaceutical.

Project Need: To ensure data consistency in evaluating and comparing medicinal product-related information across countries, which is of particular importance in the area of drug safety.

Currently, there are several alternative approaches applied for expressing Pharmaceutical Dose Forms, Routes of Administration and Units of Presentations in medicinal products. Therefore, it is necessary to establish a standard that can be used as an international reference for terms, term definitions and term identifiers. The standard should provide data structures for mapping and translations of terms and definitions taking into consideration the various approaches that are currently being applied.

BSR/HL7 IDMP MPID, R1-201x, HL7 Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Medicinal Product Information, Release 1 (new standard)

Stakeholders: Pharmaceutical.

Project Need: To enable regulatory, pharmacovigilance and healthcare activities, inter alia, to be undertaken with increased efficiency and certainty, thereby contributing to improved protection of public health

Provides a mechanism to enable the management and exchange of information uniquely identifying a medicinal product, regardless of where the medicinal product is developed, manufactured, or authorized, to be exchanged between stakeholders. Information enabling the identification of a medicinal product can then be made available as between regulators, and to all other interested stakeholders.

BSR/HL7 IDMP PHPID, R1-201x, HL7 Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Pharmaceutical Product Information, Release 1 (new standard)

Stakeholders: Pharmaceutical.

Project Need: To identify medicinal products that share the same pharmaceutical product(s).

Provides a mechanism to enable the management and exchange of information to uniquely identifying a pharmaceutical product to be exchanged between stakeholders. Information enabling the identification of pharmaceutical products can then be made available as between regulators, and to all other interested stakeholders.

BSR/HL7 IDMP SUBSTID, R1-201x, HL7 Health Informatics - Identification of Medicinal Products - Data elements and Structures for Unique Identification and Exchange of Regulated Information on Substances, Release 1 (new standard)

Stakeholders: Pharmaceutical.

Project Need: To make information enabling the identification of substances and specified substances available between regulators and all other interested stakeholders.

In the context of the regulation of medicinal products, it is necessary to put in place a mechanism whereby substances and specified substances can be identified uniquely and with certainty in any domain. Such an identification will enable regulatory, pharmacovigilance and healthcare activities, inter alia, to be undertaken with increased efficiency and certainty, thereby contributing to improved protection of public health.

BSR/HL7 IDMP UNITSMEASURE, R1-201x, HL7 Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification of Units of Measurement, Release 1 (new standard)

Stakeholders: Pharmaceutical.

Project Need: To establish a standard that can be used as an international reference for terms, term definitions and term identifiers.

To express Units of Measurement unambiguously for:

- Description of quantitative composition of medicinal products and packaging; and

- Any Units of Measurement required for adverse drug reaction reporting in the frame of Individual Case Safety Reports (ICSRs). This standard applies to medicinal products, pharmacovigilance ICSR reporting, healthcare and other areas as applicable.

**ISA (ISA)**

**Office:** 67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** *Eliana Beattie*

**Fax:** (919) 549-8288

**E-mail:** ebeattie@isa.org

BSR/ISA 60079-15 (12.12.02)-201x, Explosive Atmospheres - Part 15: Equipment protection by type of protection "n" (revision of ANSI/ISA 60079-15 (12.12.02)-2009)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To specify requirements to aid in human, equipment, and location safety.

Specifies requirements for the construction, testing, and marking for Group II electrical equipment with type of protection, "n" intended for use in explosive gas atmospheres. This standard applies to electrical equipment where the rated voltage does not exceed 15 kV r.m.s. a.c. or d.c.

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

**Office:** 1101 K Street NW, Suite 610  
Washington, DC 20005

**Contact:** *Barbara Bennett*

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

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

INCITS/ISO/IEC 29183-201x, Information technology - Office equipment - Method for measuring digital copying productivity of a single one-sided original (identical national adoption of ISO/IEC 29183:2010)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

Specifies a method for measuring productivity of digital copying devices and multifunctional devices with various copying modes and a single one-sided original. This standard is applicable to digital copying devices and multifunctional devices. It is intended to be used for black-and-white and color digital copying devices and multifunctional devices of any underlying marking technology. ISO/IEC 29183:2010 includes instructions for the creation of test charts, test setup procedure, test procedure, and the reporting requirements for the digital copying productivity measurements. ISO/IEC 29183:2010 is not intended to replace manufacturer's rated speeds.

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

**Office:** 1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209

**Contact:** *Gerard Winstanley*

**Fax:** (703) 841-3397

**E-mail:** ger\_winstanley@nema.org

BSR C37.50-201x, Low Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2010)

Stakeholders: Manufacturers, utilities, installers.

Project Need: This document includes test procedures for C37.13, and must be maintained with that document.

Covers:

- (a) Stationary or drawout circuit breakers of two-or three-pole construction, with one or more rated maximum voltages of 635 V (600 for units incorporating fuses), 508 V, and 254 V for application on systems having nominal voltages of 600, 480, and 240 V;
- (b) Unfused or fused type circuit breakers;
- (c) Manually operated or power-operated circuit breakers with or without electromechanical or solid-state trip devices; and
- (d) Fused drawouts consisting of current-limiting fuses in a drawout assembly intended to be connected in series with a low-voltage ac power circuit breaker to form a nonintegrally fused circuit breaker.

**SDI (ASC A250) (Steel Door Institute)**

**Office:** 30200 Detroit Road  
Cleveland, Ohio 44135

**Contact:** *Linda Hamill*

**Fax:** (440) 892-1404

**E-mail:** leh@wherryassoc.com

BSR A250.10-201x, Test procedure and acceptance criteria for prime painted steel surfaces for steel doors and frames (revision of ANSI A250.10-1998 (R2004))

Stakeholders: Steel door and hardware manufacturers and

Project Need: Reexamines current standard.

Prescribes the procedures to be followed in the selection of material, chemical preparation, painting, testing, and evaluation of prime painted steel surfaces for steel doors and frames.

**TCIA (ASC A300) (Tree Care Industry Association)**

**Office:** 136 Harvey Road, Suite 101  
Londonderry, NH 3053

**Contact:** *Robert Rouse*

**Fax:** (603) 314-5386

**E-mail:** Rouse@treecareindustry.org

BSR A300 (Part 10)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Integrated Pest Management) (new standard)

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A new standard is required to establish industry consensus standard practices for integrated pest management.

A300 (Part 10) Integrated Pest Management standards will be performance standards for developing and implementing integrated pest management plans for trees, shrubs, and other woody plant resources. It is a guide in the drafting of tree and woody plant management specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

BSR A300 (Part 11)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Urban Forest Products a. grading, removal, and post-removal) (new standard)

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A new standard is required to establish industry consensus standard practices for the management of trees, shrubs, and woody vines when intended to be used as an urban forest product

A300 (Part 11) Urban Forest Products will be performance standards for developing management and implementation plans for use of urban trees, shrubs, and other woody plant resources at end of life cycle. It is a guide in the drafting of tree and woody plant management specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

**VITA (VMEbus International Trade Association (VITA))**

**Office:** PO Box 19658  
Fountain Hills, AZ 85269

**Contact:** *John Rynearson*

**Fax:** (480) 837-7486

**E-mail:** techdir@vita.com

BSR/VITA 46.8-201x, InfiniBand (R) on the VPX Fabric Connector (new standard)

Stakeholders: Manufacturers, suppliers, and users of VPX modules.

Project Need: To standardize implementation of InfiniBand on VPX modules.

Assigns InfiniBand ports to the VPX connectors and to provide rules and recommendations for the use of the assigned InfiniBand ports.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](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 Draft International Standards

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

## Comments

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

## Ordering Instructions

**ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO Draft to Customer Service at [sales@ansi.org](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.**

### **AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/DIS 22671, Space data and information transfer systems - Space link extension (SLE) - Forward communications link transmission unit (CLTU) service - 5/2/2011, \$185.00

ISO/DIS 22672, Space data and information transfer systems - Space link extension (SLE) - Forward space packet service specification - 5/2/2011, \$194.00

### **CORROSION OF METALS AND ALLOYS (TC 156)**

ISO/DIS 14802, Corrosion of metals and alloys - Guidelines for applying statistics to analysis of corrosion data - 5/5/2011, \$125.00

### **EARTH-MOVING MACHINERY (TC 127)**

ISO/DIS 10987, Earth-moving machinery - Sustainability - Terminology, sustainability factors and reporting - 5/5/2011, \$67.00

### **FASTENERS (TC 2)**

ISO/DIS 888, Bolts, screws and studs - Nominal lengths, and thread lengths for general purpose bolts - 5/3/2011, \$40.00

### **GAS CYLINDERS (TC 58)**

ISO/DIS 21007-2, Gas cylinders - Identification and marking using radio frequency identification technology - Part 2: Numbering schemes for radio frequency identification - 5/4/2011, \$119.00

### **MECHANICAL TESTING OF METALS (TC 164)**

ISO/DIS 4965-1, Metallic materials - Fatigue testing - Uniaxial dynamic force calibration - Part 1: Testing systems - 5/3/2011, \$62.00

ISO/DIS 4965-2, Metallic materials - Fatigue testing - Uniaxial dynamic force calibration - Part 2: Dynamic calibration device (DCD) instrumentation - 5/3/2011, \$46.00

### **PLASTICS (TC 61)**

ISO/DIS 9772, Cellular plastics - Determination of horizontal burning characteristics of small specimens subjected to a small flame - 5/5/2011, \$71.00

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

ISO/DIS 14229-2, Road vehicles - Unified diagnostic services (UDS) - Part 2: Session layer services - 5/2/2011, \$112.00

ISO/DIS 14229-4, Road vehicles - Unified diagnostic services (UDS) - Part 4: Unified diagnostic services on FlexRay implementation (UDSonFR) - 5/2/2011, \$77.00

### **ROUND STEEL LINK CHAINS, CHAIN SLINGS, COMPONENTS AND ACCESSORIES (TC 111)**

ISO/DIS 7597, Forged steel lifting hooks with point and eye for use with grade 8 chain - 5/5/2011, \$46.00

### **RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO/DIS 2951, Vulcanized rubber - Determination of insulation resistance - 5/5/2011, \$46.00

ISO/DIS 3384-2, Rubber, vulcanized or thermoplastic - Determination of stress relaxation in compression - Part 2: With temperature cycling - 5/5/2011, \$53.00

ISO/DIS 4652, Rubber compounding ingredients - Carbon black - Determination of specific surface area by nitrogen adsorption methods - Single-point procedures - 5/5/2011, \$93.00

ISO 9924-2/DAMd1, Rubber and rubber products - Determination of the composition of vulcanizates and uncured compounds by thermogravimetry - Part 2: Acrylonitrile-butadiene and halobutyl rubbers - Draft Amendment 1 - 5/2/2011, \$29.00

## **ISO/IEC JTC 1, Information Technology**

ISO/IEC DIS 16963, Information technology - Digitally recorded media for information interchange and storage - Test method for the estimation of lifetime of optical media for long-term data storage - 5/1/2011, \$107.00

ISO/IEC DIS 23271, Information technology - Common Language Infrastructure (CLI) - 5/3/2011, \$281.00





# Newly Published ISO and IEC Standards

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

## ISO Standards

### ACOUSTICS (TC 43)

ISO 10844:2011, Acoustics - Specification of test tracks for measuring noise emitted by road vehicles and their tyres, \$156.00

### AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 8455:2011, Green coffee - Guidelines for storage and transport, \$51.00

ISO 12966-2:2011, Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 2: Preparation of methyl esters of fatty acids, \$90.00

### MECHANICAL CONTRACEPTIVES (TC 157)

ISO 23409:2011, Male condoms - Requirements and test methods for condoms made from synthetic materials, \$148.00

### METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 26945:2011, Metallic and other inorganic coatings - Electrodeposited coatings of tin-cobalt alloy, \$69.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 8624:2011, Ophthalmic optics - Spectacle frames - Measuring system and terminology, \$69.00

### OTHER

ISO 17072-1:2011, Leather - Chemical determination of metal content - Part 1: Extractable metals, \$60.00

ISO 17072-2:2011, Leather - Chemical determination of metal content - Part 2: Total metal content, \$60.00

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

ISO 12176-3:2011, Plastics pipes and fittings - Equipment for fusion joining polyethylene systems - Part 3: Operators badge, \$60.00

### POWDER METALLURGY (TC 119)

ISO 3953:2011, Metallic powders - Determination of tap density, \$45.00

### ROAD VEHICLES (TC 22)

ISO 14793:2011, Road vehicles - Heavy commercial vehicles and buses - Lateral transient response test methods, \$122.00

ISO 14794:2011, Heavy commercial vehicles and buses - Braking in a turn - Open-loop test methods, \$109.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4635:2011, Rubber, vulcanized - Preformed joint seals for use between concrete paving sections of highways - Specification, \$77.00

ISO 4660:2011, Rubber, raw natural - Colour index test, \$51.00

### STEEL (TC 17)

ISO 5952:2011, Continuously hot-rolled steel sheet of structural quality with improved atmospheric corrosion resistance, \$77.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 7816-1:2011, Identification cards - Integrated circuit cards - Part 1: Cards with contacts - Physical characteristics, \$45.00

ISO/IEC 14496-5/Amd27:2011, Reference software for MPEG-4 - Amendment 2: Scalable complexity 3D mesh coding reference software, \$17.00

ISO/IEC 15026-2:2011, Systems and software engineering - Systems and software assurance - Part 2: Assurance case, \$69.00

ISO/IEC 15909-2:2011, Systems and software engineering - High-level Petri nets - Part 2: Transfer format, \$216.00

ISO/IEC 29143:2011, Information technology - Automatic identification and data capture techniques - Air interface specification for Mobile RFID interrogators, \$148.00

### OTHER

ISO/IEC 17021:2011, Conformity assessment - Requirements for bodies providing audit and certification of management systems, \$148.00

## IEC Standards

### AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 62684 Ed. 1.0 b:2011, Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones, \$58.00

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

IEC 61169-18 Ed. 1.0 b:2011, Radio-frequency connectors - Part 18: Sectional specification - Radio frequency coaxial connectors of type SSMA, \$121.00

IEC 61169-19 Ed. 1.0 b:2011, Radio-frequency connectors - Part 19: Sectional specification - Radio frequency coaxial connectors of type SSMB, \$132.00

### ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

IEC 60092-504 Ed. 3.0 en Cor.1:2011, Corrigendum 1 - Electrical installations in ships - Part 504: Special features - Control and instrumentation, \$0.00

**ELECTROACOUSTICS (TC 29)**

IEC 62489-2 Ed. 1.0 b:2011, Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 2: Methods of calculating and measuring the low-frequency magnetic field emissions from the loop for assessing conformity with guidelines on limits for human exposure, \$90.00

**ELECTROMAGNETIC COMPATIBILITY (TC 77)**

IEC 61000-4-21 Ed. 2.0 b:2011, Electromagnetic compatibility (EMC) - Part 4-21: Testing and measurement techniques - Reverberation chamber test methods, \$273.00

**FIBRE OPTICS (TC 86)**

IEC/TR 62343-6-5 Ed. 1.0 en:2011, Dynamic modules - Part 6-5: Investigation of operating mechanical shock and vibration tests for dynamic modules, \$100.00

IEC/TR 62343-6-6 Ed. 1.0 en:2011, Dynamic modules - Part 6-6: Failure mode effect analysis for optical units of dynamic modules, \$121.00

IEC 62496-2-2 Ed. 1.0 b:2011, Optical circuit boards - Part 2-2: Measurements - Dimensions of optical circuit boards, \$132.00

IEC 62496-4 Ed. 1.0 b:2011, Optical circuit boards - Part 4: Interface standards - General and guidance, \$132.00

**INDUSTRIAL ELECTROHEATING EQUIPMENT (TC 27)**

IEC 60519-6 Ed. 3.0 b:2011, Safety in electroheat installations - Part 6: Specifications for safety in industrial microwave heating equipment, \$132.00

**LAMPS AND RELATED EQUIPMENT (TC 34)**

IEC 60357 Amd.3 Ed. 3.0 b:2011, Amendment 3 - Tungsten halogen lamps (non-vehicle) - Performance specifications, \$27.00

**OVENS AND MICROWAVE OVENS, COOKING RANGES AND SIMILAR APPLIANCES (TC 59K)**

IEC 60704-2-13 Ed. 2.0 en:2011, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods, \$121.00

**PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)**

IEC 62301 Ed. 2.0 b:2011, Household electrical appliances - Measurement of standby power, \$184.00

**POWER ELECTRONICS (TC 22)**

IEC/TR 60146-1-2 Ed. 4.0 en:2011, Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guide, \$258.00

**PRIMARY CELLS AND BATTERIES (TC 35)**

IEC 60086-3 Ed. 3.0 en:2011, Primary batteries - Part 3: Watch batteries, \$132.00

**SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)**

IEC 60335-2-103 Ed. 2.1 b:2011, Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows, \$237.00

**SEMICONDUCTOR DEVICES (TC 47)**

IEC 60191-6-17 Ed. 1.0 b:2011, Mechanical standardization of semiconductor devices - Part 6-17: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for stacked packages - Fine-pitch ball grid array and fine-pitch land grid array (P-PFBGA and P-PFLGA), \$132.00

IEC 60747-14-4 Ed. 1.0 b:2011, Semiconductor devices - Discrete devices - Part 14-4: Semiconductor accelerometers, \$268.00

IEC 60749-23 Amd.1 Ed. 1.0 b:2011, Amendment 1 - Semiconductor devices - Mechanical and climatic test methods - Part 23: High temperature operating life, \$20.00

**SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)**

IEC 61558-2-12 Ed. 2.0 b:2011, Safety of transformers, reactors, power supply units and combination thereof - Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage, \$110.00

**SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)**

IEC 61853-1 Ed. 1.0 b:2011, Photovoltaic (PV) module performance testing and energy rating - Part 1: Irradiance and temperature performance measurements and power rating, \$90.00

**SURFACE MOUNTING TECHNOLOGY (TC 91)**

IEC/PAS 62326-20 Ed. 1.0 en:2011, Printed boards - Part 20: Electronic circuit board for high-brightness LEDs, \$184.00

**SURGE ARRESTERS (TC 37)**

IEC 60099-8 Ed. 1.0 b:2011, Surge arresters - Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV, \$242.00

**SWITCHGEAR AND CONTROLGEAR (TC 17)**

IEC 62271-SER Ed. 1.0 b:2011, High-voltage switchgear and controlgear - ALL PARTS, \$4487.00

IEC 62271-206 Ed. 1.0 b:2011, High-voltage switchgear and controlgear - Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV, \$121.00

# Proposed Foreign Government Regulations

## Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

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

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

### Call for Members

#### Society of Cable Telecommunications

#### ANSI Accredited Standards Developer

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

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

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

## PINS Correction

### BSR/CEA 805-E-201x

In the PINS section of the February 4, 2001 issue of Standards Action, the listing for BSR/CEA 805-E-201x, Data Services on the Component Video Interfaces, had the wrong scope. The correct scope is as follows:

This standard, CEA-805-E, specifies how data services are carried on analog Component Video Interfaces (CVI), as described in CEA-770.2-C and CEA-770.3-C. CEA-805-D applies to all CE devices carrying data on the CVI vertical blanking interval (VBI). All CEA-805-E references to component video and/or component video interfaces are analog only, and no reference to digital is implied.

## ANSI Accredited Standards Developers

### Administrative Approval of Accreditation

#### Association of Millwork Distributors (AMD)

At the direction of ANSI's Executive Standards Council, the accreditation of the Association of Millwork Distributors (AMD), a full ANSI Organizational Member, has been administratively approved/maintained using its recently revised operating procedures, under AMD's original date of reaccreditation (October 2, 2009). This action is taken, effective February 8, 2011. For additional information, please contact: Ms. Jessica Ferris, Director of Codes and Standards, Association of Millwork Distributors, 10047 Robert Trent Jones Parkway, New Port Richey, FL 34655; PHONE: (800) 786-7274; E-mail: [jferris@amdweb.com](mailto:jferris@amdweb.com).

### Reaccreditation

#### PLASA North America (Formerly the Entertainment Services & Technology Association (ESTA))

#### Comment Deadline: March 14, 2011

PLASA North America (formerly the Entertainment Services & Technology Association) has submitted revisions to the operating procedures under which it was last reaccredited in January 2010. As these revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of PLASA's revised procedures or to offer comments, please contact: Mr. Karl Ruling, Technical Standards Manager/Senior Technical Editor, Protocol, PLASA North America, 630 Ninth Avenue, Suite 609, New York, NY 10036; PHONE: (212) 244-1505; E-mail: [karl.ruling@plasa.org](mailto:karl.ruling@plasa.org). You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to PLASA by March 14, 2011, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: [Jthompo@ANSI.org](mailto:Jthompo@ANSI.org)).

## ANSI Accreditation Program for Greenhouse Gas Verification/Validation Bodies

### Initial Accreditation

Stantec Consulting, Ltd.,

Atmospheric Environmental Services Group

Comment Deadline: March 14, 2011

**Stantec Consulting, Ltd.,  
Atmospheric Environmental Services Group**

Michael Murphy, Senior Principal  
21 Allison Blvd.

Fredericton, NB E3C 2G5  
Canada

PHONE: (506) 452-7000

E-mail: [Mike.Murphy@stantec.com](mailto:Mike.Murphy@stantec.com)

On February 1, 2011 the ANSI Greenhouse Gas  
Validation/Verification Accreditation Committee voted to  
approve initial accreditation for Stantec Consulting, Ltd. for  
the following:

#### Standards:

ISO 14065 – Greenhouse gases – Requirements for  
greenhouse gas validation and verification bodies for use  
in accreditation or other forms of recognition

#### Scopes:

Verification of assertions related to GHG emissions and  
removals at the organizational level

Group 1 – General

Please send your comments by March 14, 2011 to Ann  
Bowles, Senior Program Manager, GHG Program, American  
National Standards Institute, 1899 L Street, NW, 11th Floor,  
Washington, DC 20036, FAX: (202) 293-9287, or E-mail:  
[accreditation@ansi.org](mailto:accreditation@ansi.org).

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Scope Extension

ACB, Inc.

Comment Deadline: March 14, 2011

Ms. Susan Holman  
Financial & HR Manager/Quality Assurance Rep.

**ACB, Inc.**

6731 Whittier Avenue, Suite C110  
McLean, VA 22101

PHONE: (703) 847-4700

FAX: (703) 847-6888

E-mail: [susan@acbcert.com](mailto:susan@acbcert.com)

Web: [www.ACBcert.com](http://www.ACBcert.com)

ACB, Inc., an ANSI-accredited certification body, has  
extended its scope of ANSI accreditation to include the  
following:

B. Japan MIC Radio Law

B1. Specified Radio Equipment specified in Article 38-  
2, paragraph 1, item 1 of the Radio Law

Please send your comments by March 14, 2011 to Reinaldo  
Balbino Figueiredo, Program Director, Product Certifier  
Accreditation, American National Standards Institute, 1899 L  
Street, NW, 11th Floor, Washington, DC 20036, FAX: 202-  
293 9287 or E-mail: [rfigureir@ansi.org](mailto:rfigureir@ansi.org), or Nikki Jackson,  
Program Manager, Product Certifier Accreditation, American  
National Standards Institute, 1899 L Street, NW, 11th Floor,  
Washington, DC 20036 FAX: (202) 293 9287 or E-mail:  
[njackson@ansi.org](mailto:njackson@ansi.org).

## ANSI-ASQ National Accreditation Board (ANAB)

Occupational Health and Safety Management  
Systems

Notice of Accreditation

Certification Body

TÜV SÜD America, Inc.

The ANSI-ASQ National Accreditation Board is pleased to  
announce that the following certification body has earned  
ANAB accreditation for occupational health and safety  
management systems:

**TÜV SÜD America, Inc.**

10 Centennial Drive  
Peabody, MA 01960  
[www.tuvamerica.com](http://www.tuvamerica.com)

Sales Department

E-mail: [info@tuvam.com](mailto:info@tuvam.com)

Public Comments Sought

Revised ANAB Accreditation Rule 20 on  
Accreditation Program for Food Safety  
Management Systems

Comment Deadline: March 11, 2011

Public comments are sought on revised ANAB Accreditation  
Rule 20 on Accreditation Program for Food Safety  
Management Systems. Interested parties are invited to login  
to EQM at <http://anab.remoteauditor.com/> to download the  
document and comment on public ballot 904. (Note: A  
username and password are required. If you do not have a  
username and password for EQM, go to  
[http://www.anab.org/  
UserRegistration/WebBallotUsers\\_Registration.aspx](http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx).)  
Please submit your comments by March 11, 2011.

# International Organization for Standardization (ISO)

## Changes in Administrations

### ISO/TC 41/SC 4 - Pulleys and belts (including veebelts)

**Comment Deadline: February 11, 2011**

The Association for Rubber Products Manufacturers (ARPM) has requested ANSI to delegate the responsibilities of the administration of the TC 44/SC 4 secretariat to ARPM. This action has been approved by the ANSI ISO Council (AIC). The scope of TC 41, which TC 41/SC 4 falls under, is as follows:

Standardization in the field of pulleys and belt drives, particularly grooved pulleys and veebelts, and flat pulleys and belts, including dimensions of pulley hubs; cable drives; driving flywheels. Standardization in the field of conveyor belts.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team [isot@ansi.org](mailto:isot@ansi.org) by February 11, 2011.

### ISO/TC 184/SC 5 - Interoperability, integration, and architectures for enterprise systems and automation applications

**Comment Deadline: February 11, 2011**

The Electronic Commerce Code Management Association (ECCMA) has requested ANSI to delegate the responsibilities of the administration of the TC 184/SC 5 secretariat to ECCMA. This action has been approved by the ANSI ISO Council (AIC). The scope of TC 184, which TC 184/SC 5 falls under, is as follows:

Standardization in the field of automation systems and their integration for design, sourcing, manufacturing and delivery, support, maintenance and disposal of products and their associated services. Areas of standardization include information systems, robotics for fixed and mobile robots in industrial and specific non-industrial environments, automation and control software and integration technologies.

These standards may utilize other standards and technologies beyond the scope of TC 184, such as machines, equipment, information technologies, multi-media capabilities, and multi-modal communication networks.

Excluded are base standards in the following areas:

- electrical and electronic equipment as dealt with by IEC/TC 44;
- PLCs for general application as dealt with by IEC/TC 65;
- multi-media capabilities as dealt with by IEC/TC 100.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team [isot@ansi.org](mailto:isot@ansi.org) by February 11, 2011.

## Call for International (ISO) Secretariat

### ISO/TC 195 Building construction machinery and equipment

ANSI has been informed by PKN (Poland), the ISO delegated secretariat, that they wish to relinquish the role of the secretariat. ISO/TC 195 operates under the following scope:

Standardization in the field of machines and equipment used on construction sites, including aggregate processing, road construction and maintenance equipment concerning nomenclature, application, classification, ratings, technical requirements and test methods, safety requirements, operation and maintenance manuals formats

Excluded:

- standardization of earth-moving machinery (dealt with by ISO / TC 127), cranes (dealt with by ISO / TC 96) and elevating work platforms (dealt with by ISO / TC 214).

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at [isot@ansi.org](mailto:isot@ansi.org).

# International Electrotechnical Commission (IEC)

## Call for Members

### USNC TAG for IEC/TC 11: Overhead Lines

The USNC Technical Advisory Group for IEC/TC 11 currently has only one voting member and, according to USNC rules a minimum of 3 Voting Members is required for viability. As a result, this USNC Technical Advisory Group is looking for more members interested in this work. If additional members are not recruited, the TAG will be disbanded and the USNC will register as a Non-Member of this IEC TC.

Scope:

To prepare international standards for Overhead Lines above 1 kV AC and 1.5 kV DC Nominal Voltage, excluding railway traction supports and line materials. These Standards will provide design criteria that may serve as a guide to national regulations differing from each other only in the local conditions and in the assumed safety level. These Standards will deal with mechanical loadings and strength of the line, with clearances and with tests on supports, fittings and foundations.

Including: Design requirements for supports and foundations to be able to withstand the required mechanical loadings.

Excluding: Recommendations dealing with tests on conductors and insulators established respectively by Technical Committees Nos 7 and 36.

Anyone interested in becoming a member of USNC TAG for IEC/TC 11, Overhead Lines, is invited to contact:

**TECHNICAL ADVISOR**

Tip Goodwin  
PHONE: (817) 215-5609  
E-Mail: tip.goodwin@oncor.com

**TAG SECRETARY**

Sue Vogel  
IEEE  
PHONE: (732) 562-3817  
E-Mail: s.vogel@ieee.org

A copy of the request should also be sent to Charlie Zegers at ANSI:

Charles T Zegers  
General Secretary, USNC/IEC  
PHONE: (212) 642-4965  
FAX: (212) 730-1346  
E-Mail: czegers@ansi.org

## U.S. Technical Advisory Groups

### Call for US/TAG and US/TAG Administrator

#### ISO/PC 259 – Outsourcing

A new ISO Project Committee ISO/PC 259 on Outsourcing has been formed. ANSI is calling for any interest in forming a US/TAG for ISO/PC 259 and an organization who would like to serve as the US/TAG Administrator. The scope of ISO/PC 259 is as follows:

Standardization in the field of outsourcing.

Organizations interested in serving on the US/TAG or as the US/TAG administrator should contact ANSI at isot@ansi.org.

## Meeting Notices

### AHRI Standards Development Meetings

#### The 1150 Subcommittee of the AHRI Technical Committee on Sound

The 1150 Subcommittee of the Technical Committee on Sound, sponsored by AHRI, will hold a web conference meeting on Tuesday, March 15, 2011, from 10:00 am to 12:00 pm ET. AHRI Draft Standard 1150P-201x, Declaration and Verification of Noise Emission Values of HVAC Machinery and Equipment Using Published Sound Rating Values, will be reviewed and revised. This is an open meeting. Please contact Danny Abbate at (703) 600-0327, or by dabbate@ahrinet.org for more information.

#### AHRI Electrical Standardization Subcommittee

The Electrical Standardization Subcommittee, sponsored by AHRI, will hold a web conference meeting on Monday, February 21, 2011, from 2:00 pm to 4:00 pm ET. AHRI Standard 110, Air-Conditioning and Refrigerating Equipment Nameplate Voltages, will be reviewed and revised. This is an open meeting. Please contact Danny Abbate at (703) 600-0327, or by email at dabbate@ahrinet.org for more information.

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## NSF International Standard for Dietary Supplements —

### Dietary supplements

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#### 5.3.7 Food Allergen Claims

Raw materials and finished products which claim the absence of specific allergens shall be evaluated in accordance with 7.5 and/or 8. Raw materials and finished products shall not contain specific proteins or other analyte(s) associated with the allergen at levels above the method detection limits.

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#### 7.5 Test methods for food allergens

The methods listed in this section indicate current practices. As technology and allergen testing advances, or certain tests are found to be more appropriate for certain sample matrices, alternate validated techniques may be employed.

##### 7.5.1 Gluten

Testing shall be performed based on the RIDASCREEN Gliadin Enzyme Immunoassay for the quantitative analysis of gliadins and corresponding prolamines. The typical detection level for the testing of raw ingredients and finished products is 20 ppm or less.

##### 7.5.2 Test method for plant species DNA (soy, corn, etc.)

Testing shall be performed based on the Real Time Polymerase Chain Reaction (PCR) method or equivalent. For testing raw ingredients and finished products using Qualitative analysis, the typical PCR limit of detection is 25 ppm or 25 µg/g of DNA.

##### 7.5.3 Milk

Testing shall be performed based on Enzyme Immunoassay for the quantitative analysis of dairy allergens casein and β-lactoglobulin. The typical detection level for the testing of raw ingredients and finished products are 0.5 ppm and 5 ppm, respectively.

##### 7.5.4 Other food allergens

The most appropriate method shall be used to confirm claims for the product under evaluation. The source of these methods may include AOAC International, USP, EPA, FDA, AHP, European, German, Japanese Pharmacopoeia monographs, industry standards, etc. The selected method is to be scientifically valid and suitable for the purpose of analysis of the specific sample type being tested. An existing method may need to be modified to better suit the sample under test or improved technology may allow for a more accurate and precise method to be developed. The use of any modified or new method shall require that an assessment be performed which includes evaluation of the specificity, linearity, reproducibility, accuracy, spike recovery, and method detection limit (if applicable).



**Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems,  
BSR/UL 325**

**1. Addition of Requirements for Horizontally Sliding Residential Garage Door Operators and Systems.**

**PROPOSAL**

32.1.4 In addition to the primary inherent entrapment protection as required by 32.1.1, a horizontally sliding residential garage door operator shall comply with one of the following:

- a) Shall be constructed to:
  - 1) Require constant pressure on a control to close the door, or
  - 2) Reverse direction and open the door a minimum of ~~4 in (102 mm)~~ 2 in (50.8 mm) when constant pressure on a control is removed prior to operator its position limit, and
  - 3) Stop the door if a second obstruction is detected in the reverse direction.
  
- b) Shall be provided with a means for connection of an external secondary entrapment protection device for each leading edge as described in 32.3.1 - 32.3.3.

32.2.3.1 For a horizontally sliding residential garage door operator system, both with and without any external entrapment protection device functional, the operator of a closing residential garage door shall initiate reversal of the door within 2 s of contact with the obstruction as specified in 32.2.3.2. After reversing the door, the operator shall open the door a minimum of ~~4 in (102 mm)~~ 2 in (50.8 mm) from the edge of the obstruction. Compliance shall be determined in accordance with 32.2.3.2 - 32.2.3.9.

*Exception No. 1: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when the operator senses a second obstruction during the closing direction of travel.*

*Exception No. 2: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when a control is actuated to stop the door during movement towards the open position - but the door can not be moved towards the open position until the operator reverses the door a minimum of 2 in (50.8 mm).*

32.2.3.6 An operator, employing an inherent entrapment protection control that measures or monitors the actual position of the door, shall initiate reversal of the door and shall return the door to, and stop the door at, the fully closed position in the event the inherent door operation "profile" of the door differs from the originally set parameters. The system shall measure or monitor the position of the door at increments not greater than 1 in (25.4 mm).

*Exception No. 1: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when an inherent entrapment circuit senses an obstruction during the reversing travel.*

*Exception No. 2: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when a control is actuated to stop the door during the opening direction - but the*

door can not be moved in the closing direction until the operator reverses the door a minimum of 2 in (50.8 mm).

32.2.3.7 An operator, using an inherent entrapment protection system that does not measure or monitor the actual position of the door, shall initiate reversal of the door and shall open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when the closed position limit device is not actuated within 30 s or less following the initiation of the close cycle.

*Exception No. 1: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when an inherent entrapment circuit senses an obstruction during the reversing travel.*

*Exception No. 2: The door operator is not required to open the door a minimum ~~4 in (102 mm)~~ 2 in (50.8 mm) when a control is actuated to stop the door during the opening direction - but the door can not be moved in the closing direction until the operator has reversed the door a minimum of 2 in (50.8 mm). When the door is stopped manually during its closing, the 30 s shall be measured from the resumption of the close cycle.*

32.3.2 With respect to 32.3.1, the operator shall monitor for the presence and correct operation of the device, including the wiring to it, at least once during each close cycle. In the event the device is not present or a fault condition occurs which precludes the sensing of an obstruction, including an open- or short-circuit in the wiring that connects an external entrapment protection device to the operator and the device's supply source, the operator shall be constructed such that:

- a) For a vertically moving door, the closing door shall open and an open door shall not close more than 1 ft (305 mm) below the upmost position,
- b) For a horizontally sliding door, the door shall not move in the opening or closing direction,
- c) The operator shall function as required by 32.1.2(a).

34.1.6 An operator using an external entrapment protection device, upon detecting a fault or an obstruction in the path of a door moving in the closing direction, shall initiate reversal and shall return the door to, and stop the door at the fully open position for a vertically moving door operator, or a minimum ~~44 in (102 mm)~~ 2 in (50.8 mm) for a horizontally moving door operator.

*Exception No. 1: The door operator is not required to return the door to, and stop the door at, the fully open position when an inherent entrapment circuit senses an obstruction during the opening travel.*

*Exception No. 2: The door operator is not required to return the door to, and stop the door at, the fully open position when a control is actuated to stop the door during the opening travel - but the door can not be moved towards the closing direction until the operator has reversed the door a minimum of 2 in (50.8 mm).*

35.1.1.1 When installed as described in 34.1.1 - 34.1.4, a photoelectric sensor of a horizontally moving residential garage doors shall be tested per 35.1.2 that is to be placed on a level surface within the path of the moving door. The sensor is to be tested with the obstruction at a total of five different locations over the height of the door or gate opening. The locations shall include distances 1 in (25.4 mm) from each end, 1 ft (305 mm) from each end, and the midpoint.

## **BSR/UL 1446**

### **1. Revision of Requirements for Magnet Wire Coatings in Paragraph 5.1.2**

#### **PROPOSAL**

5.1.2 The qualitative infrared analysis shall be conducted on fully cured specimens in accordance with Section 15, Infrared Analysis Tests. Interpretation of the spectra obtained using this method aids in the classification and identification of the basic chemical composition of the material. Other enamels that have been evaluated to the Standard for Systems for Insulating Materials – General, UL 1446, can be substituted as long as the thermal class is equal and the qualitative infrared spectral analysis does not indicate a significant change in composition, as indicated by the presence or absence of a unique peak.

**BSR/UL 1569****38 On or in the Cable**

38.1 The following information (the sequence of the items is not specified) shall appear at the intervals indicated in 34.1 throughout the entire length of the finished cable. Other information (see 39.2), where added, shall not confuse or mislead and shall not conflict with these requirements. See 39A.1 and 39A.2 for date marking.

*Note that Items a) - c) and e) - o) have no proposed changes and are omitted for brevity.*

d) The designation "wet locations cable" or "wet locs cable " in accordance with the ratings established in Table 9.1 (see Table 9.1) for cable that contains dry locations conductors and one of the following:

- 1) ~~Interlocked armor with a jacket under it that complies with 12.11 (moisture barrier).~~
- 2) ~~Armor consisting of a corrugated copper alloy tube or a smooth or corrugated aluminum alloy tube that complies with 19.1 and 19.2 (no openings after flexing).~~

~~It is appropriate to so mark cable containing wet locations conductors. Such marking is not required.~~

BSR/UL 1638

25.1 Each type of visual signal appliance shall comply with the requirements in the Light Output and Flash Rate/Duration Between Pulses test, Section 13, and the Dielectric Voltage-Withstand Test, Section 19, after being exposed to the corrosive atmospheres shown in table 25.1.

### **31B Gasket Material Tests**

31B.1 A gasket used as an environmental seal on products for use in damp, wet, or underwater locations shall be of material that is suitable for its application. The gasket shall be subjected to the gasket accelerated-aging test specified in 31B.2 and, when intended for outdoor-use, to the low-temperature test specified in 31B.3. A gasket used exclusively as an acoustical seal is not required to be subjected to gasket testing.

31B.2 For the gasket accelerated-aging test, three specimens of the gasket are to be subjected to 168 hours in an oven maintained at a temperature of 100 +/-5°C. Following the 168 hours, the samples are to be removed from the oven, permitted to cool to room temperature, and then examined for visible evidence of deterioration such as cracking, shrinkage, distortion, softening, hardening, or similar deterioration to an extent that affects the integrity of the seal intended to be provided by the material, when compared to unconditioned samples.

31B.3 For the low-temperature test, three specimens of the gasket are to be subjected to a temperature of -40°C +/- 5°C for 24 hours. While at the test temperature, each specimen is to be bent within 5 seconds around a 6.4 mm mandrel to form a U-shaped bend. Gloves are to be worn to minimize heat transfer to the specimen or O-ring segment. Each specimen is to be examined for evidence of cracking. Following the test, there shall be no visible evidence of deterioration such as cracking after flexing, shrinkage, distortion, softening, hardening, or similar deterioration to an extent that affects the integrity of the seal intended to be provided by the material, when compared to unconditioned samples.

### **31C Polarity Reversal**

31C.1 A visible signal device, intended to operate when connected to a supply with specific polarity, shall operate for its intended signaling performance after being connected to each polarity of the supply source. The maximum rated voltage is to be applied with reverse polarity for 1 hour followed by application of maximum rated voltage with operational polarity for 5 minutes.

31C.2 Prior to and following the conditioning of 31C.1, the visible signal device shall be tested for proper operation per Section 13, Light Output and Flash Rate/ Duration Between Pulses Test".

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**Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution, BSR/UL 2238**

1.8 Fittings and devices that employ surge protective devices and/or circuitry to provide surge protection of internal functionality, in addition to complying with the requirements of this standard, shall also comply with the construction and performance requirements for Type 4 component assemblies or for Type 5 components, as appropriate, in accordance with the Standard for Surge Protective Devices, UL 1449. Fittings and devices that employ surge protective devices and/or circuitry shall also comply with the Standard for Surge Protective Devices, UL 1449.

1.9 Fittings and devices that are intended to provide surge protection of connected equipment and wiring, in addition to the requirements of this standard, shall also be evaluated to the requirements (including ratings and markings) for either Type 2 or Type 3 (surge protective devices) applications in accordance with the Standard for Surge Protective Devices, UL 1449.

40.1.12 Fittings and devices that employ components and/or circuitry (Type 4 component assemblies or Type 5 surge protective components) to provide surge protection of integral functionality that have not also been evaluated for Type 2 or Type 3 (surge protective devices) applications in accordance with the Standard for Surge Protective Devices, UL 1449, for the protection of connected equipment or wiring shall not be marked to imply that the fittings or devices provide external surge protection.

40.1.13 Fittings and devices that have also been evaluated for Type 2 or Type 3 (surge protective devices) applications in accordance with the Standard for Surge Protective Devices, UL 1449, for the protection of connected equipment or wiring shall also be marked in accordance with the marking requirements for, respectively, Type 2 or Type 3 surge protective devices.

**41.1 General**

41.1.7 Installation and operating instructions for fittings and devices that employ components and/or circuitry (Type 4 component assemblies or Type 5 surge protective components) to provide surge protection of integral functionality that have not also been evaluated for Type 2 or Type 3 (surge protective devices) applications in accordance with the Standard for Surge Protective Devices, UL 1449, for the protection of connected equipment or wiring shall explicitly indicate that the fittings or devices are not suitable as surge protective devices for connected equipment and wiring.

41.1.8 Installation and operating instructions for fittings and devices that have also been evaluated for Type 2 or Type 3 (surge protective devices) applications in accordance with the Standard for Surge Protective Devices, UL 1449, for the protection of connected equipment or wiring shall comply with the instructions requirements for, respectively, Type 2 or Type 3 surge protective devices.