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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.

#### 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](mailto:psa@ansi.org)

★ Standard for consumer products

## Comment Deadline: April 4, 2004

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 1699-200x, Arc-Fault Circuit-Interrupters (revision of ANSI/UL 1699-2003)

Revises the requirements for cord AFCIs constructed with arc fault protection in the plug.

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

Send comments (with copy to BSR) to: Edward Minasian, UL-NY;  
Edward.D.Minasian@us.ul.com

## Comment Deadline: April 19, 2004

### AISC (American Institute of Steel Construction)

#### New Standards

BSR/AISC 360-200x, Specification for the Design of Structural Steel Buildings (new standard)

This Specification governs the design, fabrication and erection of structural steel-framed buildings. Structural steel includes hot-rolled W-, S-, and HP-shapes, channels and angles listed in ASTM A6/A6M; structural tees split from the hot-rolled W-, S- and M- shapes listed in ASTM A6/A6M; hollow structural sections produced to ASTM A500, A501, A618 or A847, and steel pipe produced to ASTM A53/A53M. This specification is intended for the common building design in routine office practice.

Single copy price: \$12.00

Order from: Janet Cummins, AISC; cummins@aisc.org  
Send comments (with copy to BSR) to: Cynthia Duncan, AISC;  
duncan@aisc.org

### ASME (American Society of Mechanical Engineers)

#### Revisions

BSR/ASME CSD-1-200x, Controls and Safety Devices for Automatically Fired Boilers (revision of ANSI/ASME CSD-1-2002)

The rules of this code cover requirements for the assembly, maintenance, and operation of controls and safety devices installed on automatically operated boilers directly fired with gas, oil, gas-oil, or electricity.

Single copy price: \$10.00

Order from: Silvana Rodriguez, ASME; rodriguez@asme.org  
Send comments (with copy to BSR) to: Eun Sil Yoo, ASME, M/S 20S2

### HPVA (Hardwood Plywood & Veneer Association)

#### Revisions

BSR/HPVA HP-1-200x, Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2000)

Covers the principal types, face grades, back grades, inner ply grades and constructions of plywood made primarily with hardwood faces, and formaldehyde emissions for hardwood, plywood and certain reconstituted wood wall panels. Included are requirements for: (a) wood species and plywood veneer grades; (b) lumber, particleboard, medium density fiberboard, and hardboard cores; (c) bond line performance; (d) panel construction; (e) moisture content; and (f) panel dimensions and tolerances. Definitions of trade terms, methods of ordering, and methods for identifying products that conform to this Standard are included.

Single copy price: \$20.00

Order from: Russell Chapman, HPVA; russc@hpva.org  
Send comments (with copy to BSR) to: Same

### ITI (INCITS)

#### New Standards

BSR INCITS 388-200x, Information Technology - Storage Management (new standard)

This Technical Specification defines a method for the interoperable management of a heterogeneous Storage Area Network (SAN). This Technical Specification describes the information available to a WBEM Client from an SMI-S-compliant CIM Server. This Technical Specification describes an object-oriented, XML-based, messaging-based interface designed to support the specific requirements of managing devices in and through Storage Area Networks (SANs).

Single copy price: \$18.00

Order from: Techstreet,  
[http://www.techstreet.com/cgi-bin/detail?product\\_id=1149205](http://www.techstreet.com/cgi-bin/detail?product_id=1149205)  
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);  
dspittle@itic.org

### SCTE (Society of Cable Telecommunications Engineers)

#### New Standards

BSR/SCTE 24-18-200x, IPCablecom CMS to CMS Signaling (new standard)

This document describes the IPCablecom Call Management Server (CMS) to CMS Signaling protocol intended for use by a CMS to communicate with another CMS in order to support packet-based voice and other real-time multimedia applications.

Single copy price: Free (electronic copy)

Order from: Global Engineering Documents; www.global.ihs.com, (800) 854-7179  
Send comments (with copy to BSR) to: standards@scte.org

BSR/SCTE 99-200x, Test Method for Axial Pull Connector/Drop Cable (new standard)

The purpose of this standard is to determine the tensile pull required to cause one or more of the following conditions in a connector/drop cable test system, catastrophic cable structural failure, connector structural failure or separation due to slip at the connector/drop cable interface.

Single copy price: Free (electronic copy)

Order from: Global Engineering Documents; www.global.ihs.com, (800) 854-7179  
Send comments (with copy to BSR) to: standards@scte.org

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

#### New Standards

BSR A300 (Part 5)-200x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Maintenance Standard Practices (Management of trees and shrubs during site planning, site development, and construction) (new standard)

BSR A300 Part 5 will present performance standards for the care and maintenance of trees, shrubs, and other woody plants during management of trees and shrubs for site planning, site development, and construction.

Single copy price: Free (electronic copy), \$15.00 (hard copy)

Order from: Robert Rouse, TCIA (ASC A300); rouse@natlarb.com  
Send comments (with copy to BSR) to: Same

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

- ★ BSR/UL 2017-200x, General-Purpose Signaling Devices & Systems (new standard)

The requirements cover cover signaling devices intended for emergency or non-emergency use, used in indoor and/or outdoor locations, and where applicable, installed and used in accordance with the National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Michael Hieb, UL-CA;  
michael.j.hieb@us.ul.com

- BSR/UL 2075-200x, Gas and Vapor Detectors and Sensors (bulletin dated 02/26/04) (new standard)

These requirements cover toxic and combustible gas and vapor detectors and sensors intended to be portable or employed in indoor or outdoor locations in accordance with the National Electrical Code, NFPA 70. A gas detector and/or sensor and/or vapor detector, as covered by these requirements, consists of an assembly of electrical components coupled with a sensing means inside a chamber, or by separate components, to detect toxic and/or combustible gases or vapors. The detector includes provisions for the connection to a source of power and signaling circuits.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Kristin Andrews, UL-CA;  
Kristin.L.Andrews@us.ul.com

- BSR/UL 2351-200x, Standard for Safety for Spray Nozzles for Fire-Protection Service (new standard)

These requirements cover automatic and non-automatic (open) type water spray nozzles for installation in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13, and the Standard for Water Spray Fixed Systems for Fire Protection, NFPA 15.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Amy Stone, UL;  
Amy.Stone@us.ul.com

- BSR/UL 2129 ULC-S566-200x, Standard for Safety for Halocarbon Clean Agent Fire Extinguishers (bulletin dated 2/11/04) (new standard)

The 2/11/04 bulletin contains a binational harmonized standard for the Second Edition of Halocarbon Clean Agent Fire Extinguishers, UL 2129 and the First Edition of ULC-S566.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, UL-NC;  
Betty.C.McKay@us.ul.com

**Revisions**

- BSR/UL 96-200x, Lightning Protection Components (Fourth Edition) (revision of ANSI/UL 96-1998)

These requirements cover lightning protection components for use in the installation of complete systems of lightning protection on buildings and structures.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Byron McMillan, UL-NC;  
Byron.mcmillan@us.ul.com

- BSR/UL 407-200x, Manifolds for Compressed Gases (Bulletin dated 3/5/2004) (revision of ANSI/UL 407-1995)

Requirements cover equipment for manifolding high-pressure gas cylinders to supply gas for various industrial and commercial applications. Cylinders are manifolded for the purpose of centralizing the gas supply, to provide a continuous supply of gas, or to provide gas at a rate in excess of that which may be obtained from a single cylinder. Manifolds for services other than or for nonflammable medical gases are to be installed and used in accordance with NFPA 51 or NFPA 56F, respectively.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Gail Yee, UL-CA;  
Gail.K.Yee@us.ul.com

- BSR/UL 859-200x, Household Electric Personal Grooming Appliances (bulletin dated 1/23/04) (revision of ANSI/UL 859-2002)

The requirements cover personal electric grooming appliances intended for household use, such as hair curlers and dryers, combs, brushes, and similar appliances to be used in accordance with the National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Michael Hieb, UL-CA;  
michael.j.hieb@us.ul.com

- BSR/UL 998-200x, Humidifiers (bulletin dated 1/27/03) (revision of ANSI/UL 998-2003)

The requirements cover humidifiers rated 600 V or less, and intended to be used in accordance with the National Electrical Code, NFPA 70, and the Rules of the Canadian Electrical Code (CEC), Part 1, C22.1.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Michael Hieb, UL-CA;  
michael.j.hieb@us.ul.com

**Comment Deadline: May 4, 2004**

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

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

- BSR/ASME A112.4.14-200x, Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems (new standard)

Establishes requirements for manually operated, quarter turn valves in nominal sizes (NPS). These valves are intended for indoor installation as potable water shutoff valves between the meter and the supply stop. Valves governed by this Standard are intended for service at temperatures between 34°F (1°C) and 180°F (82°C), with an allowable working pressure rating not less than 125 psi (862 kPa).

Single copy price: \$10.00

Order from: Silvana Rodriguez, ASME; rodriguez@asme.org

Send comments (with copy to BSR) to: Calvin Gomez, ASME;  
gomez@asme.org

**Revisions**

- BSR/ASME B31.9-200x, Building Services Piping (revision of ANSI/ASME B31.9-1996)

Prescribes requirements for the design, materials, fabrication, installation, inspection, examination, and testing of piping systems for industrial, institutional, commercial, and public buildings, and multi-unit residences. It includes piping systems in the building or within the property limits.

Single copy price: \$10.00

Order from: Silvana Rodriguez, ASME; rodriguez@asme.org;

ANSIBox@asme.org; JonesG@asme.org  
Send comments (with copy to BSR) to: Noel Lobo, ASME;  
lobon@asme.org

**Reaffirmations**

BSR/ASME PTC 19.1-1998 (R200x), Test Uncertainty (reaffirmation of ANSI/ASME PTC 19.1-1998)

This document specifies procedures for evaluation of uncertainties in individual test measurements, and for the propagation of these uncertainties into the uncertainty of a test result.

Single copy price: \$95.00

Order from: Silvana Rodriguez, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org);  
[ANSIBox@asme.org](mailto:ANSIBox@asme.org); [JonesG@asme.org](mailto:JonesG@asme.org)

Send comments (with copy to BSR) to: George Osolsobe, ASME;  
[osolsobeg@asme.org](mailto:osolsobeg@asme.org)

BSR/ASME PTC 19.11-1997 (R200x), Steam and Water Sampling, Conditioning and Analysis in the Power Cycle (reaffirmation of ANSI/ASME PTC 19.11-1997)

This Standard provides information on methods and instrumentation for testing boiler make-up and feedwater, steam and condensate in relation to performance testing or monitoring of cycle chemistry, including sample selection, collection, conditioning and analysis, as well as data analysis.

Single copy price: \$75.00

Order from: Silvana Rodriguez, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org);  
[ANSIBox@asme.org](mailto:ANSIBox@asme.org); [JonesG@asme.org](mailto:JonesG@asme.org)

Send comments (with copy to BSR) to: George Osolsobe, ASME;  
[osolsobeg@asme.org](mailto:osolsobeg@asme.org)

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

BSR/IEEE 1307-200x, Standard for Fall Protection for Utility Work (new standard)

Provides general recommendations for a fall protection program for substation and generation structures and equipment, communication [including Community Antenna Television (CATV) ], transmission, and distribution structures.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 1410-200x, Guide for Improving the Lightning Performance of Electric Power Overhead Distribution Lines (new standard)

Identifies factors that contribute to lightning-caused faults on overhead distribution lines and suggests improvements to existing and new construction.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 1620-200x, Standard for Test Methods for the Characterization of Organic Transistors and Materials (new standard)

Describes a method for characterizing organic electronic devices, including measurement techniques, methods of reporting data, and the testing conditions during characterization.

Single copy price: \$65.00 (Non-member); \$50.00 (Member)

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fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

**Revisions**

BSR/IEEE 112-200x, Standard Test Procedure for Polyphase Induction Motors and Generators (revision of ANSI/IEEE 112-1996)

Covers instructions for conducting and reporting the more generally applicable and acceptable tests of polyphase induction motors and generators.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 515-200x, Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Industrial Applications (revision of ANSI/IEEE 515-1997)

Provides requirements for the testing, design, installation, and maintenance of electrical resistance heat tracing in general industries as applied to pipelines, vessels, pre-traced and thermally insulated instrument tubing and piping, and mechanical equipment.

Single copy price: \$70.00 (Non-member); \$60.00 (Member)

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 522-200x, Guide for Testing Turn Insulation of Form-Wound Stator Coils for Alternating-Current Electric Machines (revision of ANSI/IEEE 522-1993 (R1998))

Makes suggestions for testing the dielectric strength of the insulation separating the various turns from each other within multiturn form-wound coils to determine acceptability of the coils.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 802.1D-200x, Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Bridges (revision of ANSI/IEEE 802.1d-1998)

For the purpose of compatible interconnection of data processing equipment using the IEEE 802 MAC Service supported by interconnected IEEE 802 LANs using different or identical Media Access Control methods, it specifies a general method for the operation of MAC Bridges.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 802.16.2-200x, Recommended Practice for Local and Metropolitan Area Networks - Coexistence of Fixed Broadband Wireless Access Systems (revision of ANSI/IEEE 802.16.2-2001)

Specifies extensions and modifications addressing two distinct topics. The first is coexistence between multipoint systems and point-to-point systems in the frequency range 10-66 GHz. The second is coexistence among fixed broadband wireless access systems operating in licensed bands within the frequency range 2-11 GHz.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

## Supplements

BSR/IEEE 802.3ak-200x, LAN/MAN - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer and Management Parameters for 10 Gb/s Operation, Type 10GBASE-CX4 (supplement to ANSI/IEEE 802.3-2002)

Specifies additions to and appropriate modifications to IEEE Std 802.3, as amended by 802.3ae, to add a copper Physical Medium Dependent (PMD) option for 10Gb/s operation, building upon the existing 10GBASE-X Physical Coding Sublayer (PCS) and 10 Gigabit Attachment Unit Interface (XAUI) specifications.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
 fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
 Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 1003.1-2002/Cor 2-200x, Standard for Information Technology - Portable Operating System Interface (POSIX) - Technical Corrigendum Number 2 (supplement to ANSI/IEEE 1003.1-2002)

Addresses issues raised in defect reports and interpretation requests submitted.

Single copy price: N/A

Order from: IEEE Customer Service, phone: +1-800-678-4333;  
 fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>  
 Send comments (with copy to BSR) to: David Ringle, IEEE;  
[d.ringle@ieee.org](mailto:d.ringle@ieee.org)

## Corrections

### BSR INCITS 386-200x and BSR INCITS 387-200x

The listings for BSR INCITS 386-200x and BSR INCITS 387-200x, which appeared in the Call-for-Comment section of February 27th issue of Standards Action, contained incorrect ordering information. The correct ordering information follows:

For BSR INCITS 386-200x, order from Techstreet at [http://www.techstreet.com/cgi-bin/detail?product\\_id=1149105](http://www.techstreet.com/cgi-bin/detail?product_id=1149105).

For BSR INCITS 387-200x, order from Techstreet at [http://www.techstreet.com/cgi-bin/detail?product\\_id=1149185](http://www.techstreet.com/cgi-bin/detail?product_id=1149185).

### BSR UL 1450 and BSR UL 1996

In the February 27, 2004 issue of Standards Action, Call-for-Comment section, Mitchell Gold was incorrectly listed as the contact for comments on two standards projects. The correct UL staff responsible for receiving comments for UL 1450 is Susan Malohn, UL-IL; [Susan.P.Malohn@us.ul.com](mailto:Susan.P.Malohn@us.ul.com), and for UL 1996 is Jeff Prusko, UL-IL; [Jeffrey.Prusko@us.ul.com](mailto:Jeffrey.Prusko@us.ul.com). Please submit all comments to appropriate Underwriters Laboratory contacts.

# 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.

## Order from:

### AISC

American Institute of Steel  
Construction  
One East Wacker Drive Suite  
3100  
Chicago, IL 60601-2001  
Phone: (312) 670-5410  
  
Fax: (312) 644-4226  
Web: www.aisc.org

### ASME

American Society of Mechanical  
Engineers  
Three Park Avenue, M/S 20N1  
New York, NY 10016  
Phone: (212) 591-8460  
Fax: (212) 591-8501  
Web: www.asme.org

### comm2000

1414 Brook Drive  
Downers Grove, IL 60515  
Web: www.comm-2000.com

### Global Engineering Documents

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

### HPVA

Hardwood Plywood & Veneer  
Association  
P.O. Box 2789  
1825 Michael Faraday Drive  
Reston, VA 20190  
Phone: (703) 435-2900  
Fax: (703) 435-2537  
Web: www.hpva.org

### IEEE

Institute of Electrical and  
Electronics Engineers (IEEE)  
445 Hoes Lane, P.O.Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 562-3806  
Fax: (732) 562-1571  
Web: www.ieee.org

### TCIA (ASC A300)

ASC A300  
3 Perimeter Road - Unit 1  
Manchester, NH 03103  
Phone: (603) 314-5380  
Fax: (603) 314-5386  
Web: www.natlarb.com/

### Techstreet

Techstreet  
Historic Northern Brewery Building  
327 Jones Drive  
Ann Arbor, MI 48105  
Phone: (734) 800-6999 x277  
Fax: (734) 302-7811

## Send comments to:

### **AISC**

American Institute of Steel  
Construction  
One East Wacker Drive Suite  
3100  
Chicago, IL 60601-2001  
Phone: (312) 670-5410  
Fax: (312) 644-4226

Web: [www.aisc.org](http://www.aisc.org)

### **ASME**

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

### **HPVA**

Hardwood Plywood & Veneer  
Association  
P.O. Box 2789  
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Reston, VA 20190  
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Fax: (703) 435-2537  
Web: [www.hpva.org](http://www.hpva.org)

### **IEEE**

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### **ITI (INCITS)**

INCITS Secretariat/ITI  
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Washington, DC 20005-3922  
Phone: (202) 626-5746  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **SCTE**

Society of Cable  
Telecommunications Engineers  
140 Phillips Road  
Exton, PA 19341  
Phone: (610) 524-1725 x204  
Fax: (610) 363-5898  
Web: [www.scte.org](http://www.scte.org)

### **TCIA (ASC A300)**

ASC A300  
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Manchester, NH 03103  
Phone: (603) 314-5380  
Fax: (603) 314-5386  
Web: [www.natlarb.com/](http://www.natlarb.com/)

### **UL-CA**

Underwriters Laboratories, Inc.  
1655 Scott Boulevard  
Santa Clara, CA 95050  
Phone: (408) 985-2400 x32969  
Fax: (408) 556-6045

### **UL-NC**

Underwriters Laboratories, Inc.  
12 Laboratory Drive  
Research Triangle Park, NC  
27709-3995  
Phone: (919) 549-1400 x11896  
Fax: (919) 547-6180

### **UL-NY**

Underwriters Laboratories, Inc.  
1285 Walt Whitman Road  
Melville, NY 11747-3081  
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# 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.

## ASAE (American Society of Agricultural Engineers)

### *New National Adoptions*

ANSI/ASAE/ISO 5687-2004, Equipment for harvesting - Combine harvesters - Determination and designation of grain tank capacity and unloading device performance (identical national adoption and revision of ANSI/ASAE S312.2-APR93 (RJUNE00)): 2/25/2004

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

### *New Standards*

ANSI/ASHRAE 158.1-2004, Methods of Testing Capacity of Refrigerant Solenoid Valves (new standard): 2/25/2004

### *Supplements*

ANSI/ASHRAE 90.2g-2004, Energy-Efficient Design of Low-Rise Residential Buildings (supplement to ANSI/ASHRAE 90.2-2001): 2/25/2004

ANSI/ASHRAE 135a-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-1995): 2/25/2004

ANSI/ASHRAE 135c-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-1995): 2/25/2004

ANSI/ASHRAE 135d-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-1995): 2/25/2004

ANSI/ASHRAE/IESNA 90.1h-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-1999): 2/25/2004

ANSI/ASHRAE/IESNA 90.1s-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001): 2/25/2004

ANSI/ASHRAE/IESNA 90.1r-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001): 2/25/2004

ANSI/ASHRAE/IESNA 90.1o-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001): 2/25/2004

★ ANSI/ASHRAE/IESNA 90.1p-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001): 2/25/2004

## ASME (American Society of Mechanical Engineers)

### *Reaffirmations*

ANSI/ASME B29.2M-1982 (R2004), Inverted Tooth (Silent) Chains and Sprockets (reaffirmation of ANSI/ASME B29.2M-1982 (R1999)): 2/25/2004

ANSI/ASME B29.12M-1997 (R2004), Steel Bushed Rollerless Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.12M-1997): 2/25/2004

ANSI/ASME B29.17M-1998 (R2004), Hinge Type Flat Top Conveyor Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.17M-1998): 2/25/2004

ANSI/ASME B29.23M-1985 (R2004), Flexible Chain Couplings (reaffirmation of ANSI/ASME B29.23M-1985 (R1995)): 2/25/2004

## CSA (ASC Z21/83) (CSA America, Inc.)

### *Reaffirmations*

ANSI Z21.87-1999 (R2004), Automatic Gas Shutoff Devices for Hot Water Supply Systems (same as CSA 4.6-1998) (reaffirmation of ANSI Z21.87-1999): 2/25/2004

### *Revisions*

ANSI Z21.77b-2004, Manually Operated Piezo-Electric Spark Gas Ignition Systems and Components (revision of ANSI Z21.77-1995 (R2002) and ANSI Z21.77a-1997 (R2002)): 2/25/2004

ANSI Z83.11a-2004, Gas Food Service Equipment (same as CGA 1.8a-1997) (revision of ANSI Z83.11a-1997 (R2002)): 2/25/2004

## IEEE (ASC C37) (Institute of Electrical and Electronics Engineers)

### *New Standards*

ANSI/IEEE C37.23-2003, Standard for Metal-Enclosed Bus (new standard): 1/29/2004

## NSF (NSF International)

### *Revisions*

ANSI/NSF 42-2004 (i46), Drinking water treatment units - Aesthetic effects (revision of ANSI/NSF 42-2002a): 2/18/2004

ANSI/NSF 44-2004 (i21), Residential cation exchange water softeners (revision of ANSI/NSF 44-2002): 2/18/2004

ANSI/NSF 49-2004 (i7), Class II (laminar flow) Biosafety Cabinetry (revision of ANSI/NSF 49-2002): 2/24/2004

ANSI/NSF 53-2004 (i47), Drinking water treatment units - Health effects (revision of ANSI/NSF 53-2002a): 2/18/2004

ANSI/NSF 55-2004 (i18), Ultraviolet microbiological water treatment systems (revision of ANSI/NSF 55-2002): 2/18/2004

ANSI/NSF 58-2004 (i36), Reverse osmosis drinking water treatment systems (revision of ANSI/NSF 58-2003): 2/27/2004

ANSI/NSF 62-2004 (i14), Drinking water distillation systems (revision of ANSI/NSF 62-1999): 2/18/2004

ANSI/NSF 173-2004 (i3), Dietary supplements (revision of ANSI/NSF 173-2003): 2/24/2004

## OPEI (Outdoor Power Equipment Institute)

### *Revisions*

★ ANSI B71.4-2004, Standard for Outdoor Power Equipment - Commercial Turf Care Equipment - Safety Specifications (revision and redesignation of ANSI/OPEI B71.4-1999): 2/24/2004

## SCTE (Society of Cable Telecommunications Engineers)

### *New Standards*

ANSI/SCTE 85-4-2003, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE-OPTICAL-SWITCH-MIB (new standard): 2/27/2004

ANSI/SCTE 94-1-2003, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE-RF-AMP-MIB (new standard): 2/27/2004



ANSI/SCTE 94-2-2003, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE-RF-SWITCH-MIB (new standard): 2/27/2004

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

### ***New Standards***

- ★ ANSI/UL 875-2004, Electric Dry-Bath Heaters (new standard): 2/20/2004

ANSI/UL 1323-2004, Scaffold Hoists (new standard): 2/17/2004

### ***Reaffirmations***

ANSI/UL 1042-1995 (R2004), Electric Baseboard Heating Equipment (reaffirmation of ANSI/UL 1042-1995): 2/17/2004

### ***Revisions***

ANSI/UL 1-2004, Flexible Metal Conduit (revision of ANS/UL 1-2003): 2/24/2004

ANSI/UL 294-2004, Access Control System Units (revision of ANS/UL 294-1993): 2/17/2004

ANSI/UL 586-2004, Standard for Safety for High-Efficiency, Particulate, Air Filter Units (revision of ANSI/UL 586-1999): 2/16/2004

ANSI/UL 1569-2004, Standard for Safety for Metal-Clad Cables (revision of ANSI/UL 1569-2003): 2/13/2004

## **Approvals Rescinded**

### **ANSI/UL 60745 Series**

The approvals for the series of ANSI/UL 60745 standards, which were approved on September 30, 2003 and which were listed in the Final Actions section of the February 20, 2004 edition of Standards Action, have been rescinded.

## **Correction**

### **ANSI/IEEE C37.23-2003**

Due to an oversight, ANSI/IEEE C37.23-2003 was not listed in the Final Actions section of the January 30th edition of Standards Action. The listing has been added to this week's Final Action section. We apologize for any inconvenience this error has caused.

# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers of the initiation and scope of activities expected to result in new or revised American National Standards. This information is a key element in planning and coordinating American National Standards. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards (January 2003 edition).

Following is a list of proposed new American National Standards or revisions to existing American National Standards that have been received from ANSI-accredited standards developers that utilize the periodic maintenance option in connection with their standards. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for comparable information with regard to standards maintained under the continuous maintenance option. Directly and materially affected interests wishing to receive more information should contact the standards developer directly.

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

**Office:** P.O. Box 4035  
Annapolis, MD 21403

**Contact:** Isabel Bailey

**Fax:** (410) 663-7554

**E-mail:** Isabel.Bailey@X9.org

BSR X9.108-200x, Interoperability Standard for Smart Cards used in Electronic Benefit Transfer in the Women, Infants and Children (WIC) Program (new standard)

Stakeholders: Food grocers, smart card manufacturers, retail electronic cash register manufacturers, system integrators, third party acquirers and software vendors, state and federal agencies

Project Need: Grocers require clear standards to invest in electronic solutions that require software and hardware changes affecting thousands of check out lanes.

Permits commercial card and reader manufacturers, retailer store payment and electronic cash register providers, and State agencies to program components of a WIC EBT solution into their present and future systems. The cost will be reduced to participating retailers and State agencies through standardized requirements that define the components of an interoperable smartcard EBT system for the WIC program.

## ICPA (International Cast Polymer Association)

**Office:** 1010 North Glebe Road Ste 450  
Arlington, VA 22201

**Contact:** Larry Craigie

**Fax:** 703 525 0743

**E-mail:** lcraigie@acmanet.org

BSR/ACMA/ICPA/UEF 2-200x, Test Method for Estimating Emissions from Open Molding Composite Processes (new standard)

Stakeholders: Composite manufacturers, equipment and material suppliers to the composites market, Regulatory agencies, consultants to the industry

Project Need: Proposed standard BSR/ACMA/ICPA/UEF-1 includes emission estimates for current molding processes. However, there is no mechanism for adding additional data to the table. This proposed test method fills that need.

This proposed standard would establish the methodology for augmenting the table in BSR/ACMA/ICPA/UEF-1 to include emission factors from newly developed open molding technology for the composites industry.

## MHI (ASC MH10) (Material Handling Industry)

**Office:** 8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992

**Contact:** Michael Ogle

**Fax:** (704) 676-1199

**E-mail:** mogle@mhia.org

BSR MH10.8.1-200x, Linear Bar Code and Two-Dimensional Symbols Used in Shipping, Receiving, and Transport Applications (revision of ANSI MH10.8.1-2000)

Stakeholders: Automotive, electronics, telecommunications medical, retail, transportation, aerospace, electrical, HVAC, postal services, government (DOD, DHS, DOT, DOE)

Project Need: The introduction of new technologies (such as RFID) require revision of ANS MH10.8.1 to embrace such technologies.

Specifies the minimum requirements for the machine-readable identification of transport units to convey data between trading partners by means of a unique transport unit identifier (license plate); provides guidance for the formatting and placement of data presented in linear bar code, two-dimensional symbol, radio frequency identification, or human readable form; makes recommendations as to label placement, size, material and the inclusion of free text and any appropriate graphics.

# 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.

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NBBPVI
- NSF International
- TIA
- 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 <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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.

## **Announcement of Procedural Revisions**

**Comment Deadline: April 5, 2004**

Comments with regard to these proposed revisions should be submitted to [psa@ansi.org](mailto:psa@ansi.org) or via fax to the Recording Secretary of the ANSI Executive Standards Council (ExSC) at (212) 840-2298.

Mailed comments should be sent to ANSI, ExSC Recording Secretary, 25 West 43 Street, 4<sup>th</sup> Floor, New York, NY 10036.

This proposed revision to the *ANSI Essential Requirements* clarifies the available withdrawal options that do not require consensus body vote.

**ExSC 6338**

#### **4.2.1 Approval by the ANSI Board of Standards Review**

Approval, withdrawal, revision or reaffirmation of an American National Standard by the ANSI Board of Standards Review (BSR) is based on the evidence submitted that the requirements set forth herein have been met.

The ANSI Board of Standards Review (BSR) shall review standards submitted to ANSI with unresolved objections on record. This includes negative consensus body votes as well as public review comments. Standards submitted without objections may be administratively approved by the BSR. The BSR does not have jurisdiction over the standards of ANSI Audited Designators unless an ANSI Audited Designator chooses to submit one or more standards to the BSR for approval.

##### **4.2.1.3 Criteria for withdrawal**

###### **4.2.1.3.1 Administrative withdrawal**

An American National Standard shall be withdrawn five years following approval, if the standard has not been revised or reaffirmed, unless an extension has been granted by the ExSC or its designee. An American National Standard that has not been reaffirmed or revised within the five-year period, and that has been recommended for withdrawal by the ExSC or its designee, shall be withdrawn at the close of a 30-day public review notice in *Standards Action*. American National Standards that have not been revised or reaffirmed within ten years from the date of their approval as American National Standards shall be withdrawn and such action shall be announced in *Standards Action*.

###### **4.2.1.3.2 Withdrawal by Accredited Standards Developer**

~~An American National Standard must be supported by an accredited standards developer. If an accredited standards developer wishes to withdraw its approval of one or more of its American National Standards, it may do so without a vote of the relevant consensus body. If an accredited standards developer does withdraw one or more of its American National Standards, then the standards developer shall notify ANSI immediately and the standard shall be withdrawn in accordance with the standards developer's accredited procedures as an ANS and announced in *Standards Action*.~~

~~An American National Standard may also be withdrawn at the request of its accredited standards developer provided that the developer complied with its own procedures in making this request. Except in the case of an ANSI Audited Designator the secretary of the BSR shall review the request for withdrawal with its supporting information within 20 working days after receipt. If additional information is required, the secretary shall request such information from the developer. If sufficient information is provided, a 60 day public review announcement shall be made in *Standards Action* and at the close of the 60 day period, the standard shall be withdrawn.~~

~~Appeals of such actions shall be made to the Board of Standards Review based on procedural noncompliance.~~

**4.2.1.3.3 Discontinuance of a standards project**

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. A written justification for such an action shall be made available upon receipt of any written request received by the accredited standards developer within 60 days of the date of the final action.

Appeals of such actions shall be made to the Executive Standards Council based on procedural noncompliance.

**4.2.1.3.4 Withdrawal for Cause**

Requests for withdrawal of an ANS for cause shall be approved by the BSR only upon a sufficient showing that one or more of the following conditions applies:

- a) a significant conflict with another American National Standard remains;
- b) ANSI's patent policy was violated;
- c) ANSI's requirements for designation, publication, and maintenance were violated;
- d) an American National Standard is contrary to the public interest;
- e) an American National Standard contains unfair provisions;
- f) an American National Standard is unsuitable for national use.

Except in the case of an ANSI Audited Designator, an application for withdrawal of an American National Standard may be submitted to the BSR by any materially interested party or the ExSC. The application shall be accompanied by a filing fee. This fee may be waived or reduced upon sufficient evidence of hardship.

In such cases:

- a) the secretary of the BSR shall refer the request for withdrawal to the standards developer for the developer to review and respond within 30 calendar days to the requester and the secretary of the BSR;
- b) if the standards developer concurs with the proposed withdrawal, public notice shall be given and the standard shall be withdrawn in accordance with the developer's procedures;
- c) if the standards developer does not concur with the proposed withdrawal, the standards developer shall inform the requester and the secretary of the BSR and include reasons;
- d) the requester shall advise the secretary of the BSR, and the developer, within 30 calendar days of their receipt of the developer's response, either that the requestor wishes the withdrawal process to continue or not;
- e) if the requester requests continuance of the withdrawal process, the matter shall be referred to the BSR via letter ballot for decision on subsequent action.

Extensions of time to submit documentation related to a withdrawal for cause shall be granted at the discretion of the chairperson of the BSR, or if the chairperson is unavailable, by the secretary of the BSR. Extensions shall be requested prior to the deadline date and shall include a justification therefore.

If the BSR determines, based on the weight of the evidence presented, that one or more of the above-stated criteria have been satisfied, approval of the standard as an American National Standard shall be withdrawn. If the BSR determines, based on the weight of the evidence presented, that none of the above-stated criteria have been met, then approval of the standard as an American National Standard shall be maintained. The decision of the BSR in this regard shall not be appealed to the BSR, but may be appealed to the ANSI Appeals Board pursuant to section 11, *Appeals Process*, of the *ANSI Appeals Board Operating Procedures*.

The ANSI Business Model Ad Hoc Group was established by the ANSI Board of Directors to identify and recommend opportunities for growth and development that will be beneficial to the Institute and its members. The group recommended that the *ANSI International Procedures* be revised so that it is appropriate for ANSI to provide international secretariat services where there is not conflict and where industry supports or requests ANSI doing the work as a fee-based service. This proposed revision reflects this recommendation.

## ExSC 6339

**1.5.5 Criteria for Delegation of Administration of Secretariats to ISO Technical Committees and Subcommittees.** The AIC shall make all decisions concerning the assignment of the administration of secretariats, including the granting, continuance, or withdrawal of such assignments to external organizations or to ANSI.

**1.5.5.1 Decision by AIC.** In determining the assignment of administration of a secretariat, the AIC shall follow the guiding principle that delegation shall be made to ANSI or to an external organization based on industry support and feasibility wherever reasonably possible, pursuant to the criteria in 1.5.5.2 and 1.5.5.3, respectively. In addition, the AIC, in its discretion, may consult with the ExSC or its designee.

Any decision of the AIC pursuant to section 1.5.4 or 1.5.5 shall be announced in ANSI's *Standards Action*. Any directly and materially affected interest may appeal the decision of the AIC in accordance with section 3. The appeal shall be filed in writing with the Secretary of the AIC within 15 working days of the announcement of the action by the AIC in *Standards Action*.

If more than one external organization is interested in administering a Secretariat, the AIC shall base its decision on all relevant information provided.

**1.5.5.2 Delegation of a Secretariat to ANSI.** Any request that ANSI accept a secretariat shall demonstrate that the affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the secretariat, and: ~~1. The affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function, or;~~

~~2. There is no external organization eligible for delegation pursuant to the criteria in 1.5.5.3, or~~

~~3. Circumstances otherwise dictate that ANSI itself hold the secretariat consistent with the best interests of effective U.S. participation in ISO standards activities~~

**1.5.5.3 Delegation of a Secretariat to an External Organization.** Any request that the assignment of the administration of a secretariat be delegated to an external organization shall demonstrate that the following criteria are met:

1. Evidence of a strong U.S. materially affected party interested in holding the secretariat has been documented
2. The external organization is a member of ANSI and has committed to encourage its members to join ANSI
3. The external organization has documented technical and administrative competence



4. Evidence of support for the external organization seeking to hold the secretariat by members of ANSI impacted by the standards area for which the secretariat is sought has been documented
5. The external organization has made a financial commitment for not less than three years covering the costs associated with holding the secretariat, including the defined costs incurred by ANSI for administrative support and oversight of the delegated secretariat
6. The external organization has agreed to comply with the requirements associated with ANSI oversight of the activities of all parties holding secretariats in accordance with 1.6
7. The external organization has committed in writing to comply with all applicable rules, regulations and policies of ANSI and the ISO
8. A mutually acceptable written agreement between ANSI and the external organization concerning the terms and conditions of the secretariat assignment has been executed, providing, in part:
  - that the external organization shall not assign or delegate any of its responsibilities to a third party without the prior approval of the AIC
  - that in the event that the external organization is no longer interested in serving as secretariat, the external organization shall continue to serve as secretariat for three months after providing written note to the AIC
9. The external organization has notified the AIC if it has or will apply to the ExSC for approval as the TAG administrator and accreditation of the U.S. TAG for the relevant ISO technical committee or subcommittee

These proposed revisions to the appeals processes associated with the ANSI Board of Standards Review (BSR) and the ANSI Executive Standards Council (ExSC), respectively, eliminates the fee reduction option. In practice, unless appeals are very small, submittal of electronic documentation in support of an appeal can result in significant duplication costs for ANSI. Further, the filing fee associated with appeals to ANSI is minimal and is not related to the actual cost incurred in implementing the appeals process.

**ExSC 6340**

## **Operating Procedures of the ANSI Board of Standards Review**

### **7.2 Appeals mechanism**

The appeal and all related materials shall be filed in writing with the secretary of the BSR within fifteen (15) working days after receipt of notification by ANSI of an action by the BSR. If the appellant is unable to provide all the appeals materials within the fifteen (15) working days, the appellant shall request an extension from the Secretary of the BSR, and shall provide a justification therefor, within the fifteen (15) working days, or shall forfeit the right to further appeal. The appeals materials shall be accompanied by a filing fee. This fee may be waived or reduced upon sufficient evidence of hardship. ~~In addition, this fee may be reduced either if, in accordance with specifications provided by the ANSI Director of Procedures and Standards Administration, (a) the appeals statement, including all back-up material, is submitted entirely in electronic format or (b) twenty-five (25) hard copies of all appeals materials are submitted.~~ The appeal shall include a statement with evidence as to why the action of the BSR should be modified. The respondent(s) shall be notified of an appeal and be given fifteen (15) working days after receipt of such notification to submit to ANSI a statement with evidence in opposition to the appeal. If the respondent is unable to provide a complete response within the fifteen (15) working days, the respondent shall request an extension from the Secretary of the BSR, and shall provide a justification therefor, within the fifteen (15) working days, or shall forfeit the right to respond. Extensions of time to submit an appeal statement or response shall be granted at the discretion of the chairperson of the BSR or, if the Chairperson is unavailable, by the Secretary of the BSR. The original action of the BSR shall stand until all levels of appeal at ANSI have been completed unless the BSR determines otherwise. No party to an appeal may communicate with any member of the BSR while the matter is pending.

## **Operating Procedures of the ANSI Executive Standards Council**

### **17 ExSC hearing of appeals**

All directly and materially affected persons (organizations, companies, government agencies, individuals etc.) have the right to appeal actions or inactions of the ExSC or its designee. The ExSC may also hear appeals remanded or referred to the ExSC by the ANSI Appeals Board. Hearing of appeals by the ExSC shall be handled by a panel of at least five ExSC voting members established for each appeal. If five members of the

ExSC are not available to serve on the panel, the Chair or the Vice Chair of the ExSC may appoint one or more additional panel members who shall be persons knowledgeable about the *ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements)* and the standards development process. Such appointment(s) of non-ExSC members shall be with the concurrence of all parties to the appeal. A majority of the members of the panel shall be members of the ExSC.

An appeal shall be initiated by written notice of appeal to the Secretary of the ExSC. All appeals, and all related materials, shall be filed in writing with the secretary of the ExSC within fifteen (15) working days of notification by ANSI of an action by the ExSC or its designee, or at any time with respect to an inaction. If the appellant is unable to provide all the appeals materials within the fifteen (15) working days, the appellant shall request an extension from the Secretary of the ExSC, and shall provide a justification therefor, within the fifteen (15) working days, or shall forfeit the right to further appeal. The appeals materials shall be accompanied by a filing fee. This fee may be waived or reduced upon sufficient evidence of hardship. ~~In addition, this fee shall be reduced if, in accordance with specifications provided by the ANSI Director of Procedures and Standards Administration, either (a) the appeals statement, including all back-up material, is submitted entirely in electronic format or (b) fifteen (15) hard copies of all appeals materials are submitted.~~ The notice of appeal shall specify the decision from which the appeal is taken, a short statement of the matter in controversy, the reason(s) why the appellant believes the decision is in error, and the specific relief sought by the appellant from the ExSC.

# ISO and IEC Draft International Standards



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

## Comments

Comments regarding ISO documents should be sent to Henrietta Scully at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

**Global Engineering Documents**  
**15 Inverness Way East**  
**Englewood, CO 80112-5704**  
**p: (800) 854-7179; f: (303) 379-7956**  
**e-mail: [global@ihs.com](mailto:global@ihs.com)**  
**web: <http://global.ihs.com>**

**NOTE: ISO/DIS 21848, listed below, was originally listed in the February 20th edition of Standards Action with an incorrect closing date. The listing below is accurate.**

## ISO Standards

### ESSENTIAL OILS (TC 54)

ISO/DIS 4731, Oil of geranium (*Pelargonium asperum* Ehrh. ex Willd.) - 5/24/2004, \$53.00

### FLOOR COVERINGS (TC 219)

ISO/DIS 24338, Laminate floor coverings - Determination of abrasion resistance - 5/27/2004, \$38.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19128, Geographic information - Web map server interface - 5/24/2004, \$137.00

### GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 12648, Graphic technology - Safety requirements for printing press systems - 5/24/2004, \$156.00

### QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO/DIS 80000-4, Quantities and units - Part 4: Mechanics - 5/27/2004, \$78.00

### ROAD VEHICLES (TC 22)

ISO/DIS 21848, Road vehicles - Electrical and electronic equipment for 42 V networks - Electrical loads - 5/11/2004, \$58.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1304, Rubber compounding ingredients - Carbon black - Determination of iodine adsorption number - 5/27/2004, \$53.00

ISO/DIS 4641, Rubber hoses and hose assemblies for water suction and discharge - Specification - 5/27/2004, \$53.00

### STEEL (TC 17)

ISO/DIS 13976, Hot-rolled steel sheet in coils of structural quality and heavy thickness - 5/24/2004, \$53.00

ISO/IEC DIS 17341, Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW format - Capacity: 4,7 Gbytes and 1,46 Gbytes per side (Recording speed up to 4X) - 5/27/2004, \$165.00

ISO/IEC DIS 17344, Information technology - Data interchange on 120 mm and 80 mm Optical disk using +R format - Capacity: 4,7 Gbytes and 1,46 Gbytes per side (Recording speed up to 4X) - 5/27/2004, \$165.00

ISO/IEC DIS 17345, Information technology - Data interchange on 130 mm rewritable and write once read many ultra density optical (UDO) disk cartridges - Capacity: 30 Gbytes per cartridge - First generation - 5/27/2004, \$175.00

ISO/IEC DIS 17346, Information technology - Data interchange on 90 mm optical disk cartridges - Capacity: 1,3 Gbytes per cartridge - 5/27/2004, \$165.00

ISO/IEC DIS 23290, Information technology - Telecommunications and information exchange between systems - Private Integrated Services Network - Mapping functions for the tunnelling of QSIG through H.323 networks - 5/27/2004, \$78.00

## IEC Standards

13/1307/FDIS, IEC 62052-21: Electricity metering equipment (ac) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment, 04/30/2004

13/1308/FDIS, IEC 62054-21: Electricity metering (ac) - Tariff and load control - Part 21: Particular requirements for time switches, 04/30/2004

31H/172/FDIS, IEC 61241-10, Ed.1: Electrical apparatus for use in the presence of combustible dust - Part 10: Classification of areas where combustible dusts are or may be present, 04/30/2004

49/656/FDIS, IEC 61338-2 Ed.1: Waveguide type dielectric resonators - Part 2: Guidelines for oscillator and filter applications, 04/30/2004

55/903/FDIS, Amendment 2 to IEC 60851-5, Ed.3: Winding wires - Test methods - Part 5: Electrical properties - Clause 4: Breakdown voltage - Clause 6: Dielectric dissipation factor - Clause 7: Pin hole test, 04/30/2004

59G/155/FDIS, IEC 60530-A2 Ed 1.0: Methods for measuring performance of electric kettles and jugs for household and similar use, 04/30/2004

86B/1937/FDIS, IEC 61753-091-3 Ed 1.0: Fibre optic interconnecting devices and passive components performance standard - Part 091-3: Single mode fibre optic pigtailed style circulators for category U - Uncontrolled environment, 04/30/2004

89/650/FDIS, IEC 60695-7-1 Ed. 2: Fire hazard testing - Part 7-1: Toxicity of fire effluent - General guidance, 04/30/2004

- 13/1306/FDIS, Electricity metering (AC) - Tariff and load control - Part 11: Particular requirements for electronic ripple control receivers, 04/23/2004
- 14/476/FDIS, 60076-11 Ed. 1: Power Transformers - Part 11: Dry-type transformers, 04/23/2004
- 15C/1598/FDIS, IEC 60684-3-165, Ed. 1: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 165: Extruded polyolefin, flame retarded, limited fire hazard sleeving, 04/23/2004
- 15C/1599/FDIS, IEC 60684-3-228, Ed. 2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 228: Heat-shrinkable, semi-rigid polyvinylidene fluoride sleeving, flame retarded, fluid resistant, shrink ratio 2:1, 04/23/2004
- 15C/1600/FDIS, IEC 60684-3-271, Ed. 2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 271: Heat-shrinkable elastomer sleeveings, flame retarded, fluid resistant, shrink ratio 2:1, 04/23/2004
- 20/686/FDIS, IEC 60811-4-2 Ed.2: Insulating and sheathing materials of electric and optical cables - Common test methods - Part 4-2: Methods specific to polyethylene and polypropylene compounds - Tensile strength and elongation at break after conditioning at elevated temperature - Wrapping test after conditioning at elevated temperature - Wrapping test after thermal ageing in air - Measurement of mass increase - Long-term stability test - Test method for copper-catalyzed oxidative degradation, 04/23/2004
- 23A/443/FDIS, IEC 60981 Ed.2: Cable management systems - Extra-heavy duty electrical rigid steel conduits, 04/23/2004
- 34A/1077/FDIS, Lamps for road vehicles - Dimensional, electrical and luminous requirements, 04/23/2004
- 34A/1078/FDIS, Single-capped fluorescent lamps - Performance specifications, 04/23/2004
- 51/756/FDIS, 62358 Ed. 1: Ferrite cores - Standard inductance factor (AL) and its tolerance, 04/23/2004
- 68/294/FDIS, Amendment 1 to IEC 60404-8-1 Ed.2: Magnetic Materials - Part 8-1: Specifications for individual materials - Magnetically hard materials, 04/23/2004
- 86B/1927/FDIS, IEC 61753-061-3 Ed 1.0: Fibre optic interconnecting devices and passive components performance standard - Part 061-3: Single mode fibre optic pigtailed style isolators for category U - Uncontrolled environment, 04/23/2004
- CIS/A/506/FDIS, Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power - Amendment 1 to CISPR 16-2-2, clause 7: Measurements using the absorbing clamp, 30 MHz to 1000 MHz, 04/23/2004
- CIS/B/324/FDIS, CISPR 11 Am. 1 Ed. 4.0 -Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement - Proposed amendment to CISPR 11 to clarify the regulation of microwave powered ultraviolet irradiators, 04/23/2004

# 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 Global Engineering Documents.

**Weblinks are now provided from *Standards Action* to ANSI's Electronic Standards Store. To purchase a PDF copy of the desired standard, click on the blue, underlined designation.**

## ISO Standards

### BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO 16609:2004](#), Banking - Requirements for message authentication using symmetric techniques, \$88.00

### EARTH-MOVING MACHINERY (TC 127)

[ISO 14401-2:2004](#), Earth-moving machinery - Field of vision of surveillance and rear-view mirrors - Part 2: Performance criteria, \$49.00

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

[ISO 7240-15:2004](#), Fire detection and alarm systems - Part 15: Multisensor fire detectors, \$125.00

### FASTENERS (TC 2)

[ISO 4762:2004](#), Hexagon socket head cap screws, \$53.00

[ISO 10642:2004](#), Hexagon socket countersunk head screws, \$43.00

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

[ISO 9409-1:2004](#), Manipulating industrial robots - Mechanical interfaces - Part 1: Plates, \$38.00

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

[ISO 10426-4:2004](#), Petroleum and natural gas industries - Cements and materials for well cementing - Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure, \$58.00

### OTHER

[ISO 15469:2004](#), Spatial distribution of daylight - CIE standard general sky, \$43.00

### PALLETS FOR UNIT LOAD METHOD OF MATERIALS HANDLING (TC 51)

[ISO 8611-1:2004](#), Pallets for materials handling - Flat pallets - Part 1: Test methods, \$88.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 35:2004](#), Natural rubber latex concentrate - Determination of mechanical stability, \$32.00

[ISO 13363:2004](#), Rubber and plastics hoses for marine-engine wet-exhaust systems - Specification, \$49.00

### SAFETY DEVICES FOR PROTECTION AGAINST EXCESSIVE PRESSURE (TC 185)

[ISO 4126-1:2004](#), Safety devices for protection against excessive pressure - Part 1: Safety valves, \$83.00

[ISO 4126-4:2004](#), Safety devices for protection against excessive pressure - Part 4: Pilot-operated safety valves, \$83.00

[ISO 4126-7:2004](#), Safety devices for protection against excessive pressure - Part 7: Common data, \$97.00

### SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 11087:2004](#), Alpine ski-bindings - Retention devices - Requirements and test methods, \$49.00

### STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

[ISO 17664:2004](#), Sterilization of medical devices - Information to be provided by the manufacturer for the processing of resterilizable medical devices, \$67.00

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

[ISO 7200:2004](#), Technical product documentation - Data fields in title blocks and document headers, \$38.00

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

[ISO 5674:2004](#), Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria, \$78.00

[ISO 17612:2004](#), Tractors and machinery for agriculture and forestry - Auxiliary-power-transmission connector for the operator station, \$43.00

[ISO 22368-1:2004](#), Crop protection equipment - Test methods for the evaluation of cleaning systems - Part 1: Internal cleaning of complete sprayers, \$32.00

[ISO 22368-2:2004](#), Crop protection equipment - Test methods for the evaluation of cleaning systems - Part 2: External cleaning of sprayers, \$43.00

[ISO 22368-3:2004](#), Crop protection equipment - Test methods for the evaluation of cleaning systems - Part 3: Internal cleaning of tank, \$38.00

### WOOD-BASED PANELS (TC 89)

[ISO 17064:2004](#), Wood-based panels - Fibreboard, particleboard and oriented strand board (OSB) - Vocabulary, \$28.00

## ISO Technical Specifications

### DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO/TS 15530-3:2004](#), Geometrical Product Specifications (GPS) - Coordinate measuring machines (CMM): Technique for determining the uncertainty of measurement - Part 3: Use of calibrated workpieces or standards, \$63.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 10118-3:2004](#), Information technology - Security techniques - Hash-functions - Part 3: Dedicated hash-functions, \$147.00

## ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 20943-3:2004](#), Information technology - Procedures for achieving metadata registry content consistency - Part 3: Value domains, \$97.00

## IEC Standards

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

[IEC 62375 Ed. 1.0 en:2004](#), Video systems (625/50 progressive) - Video and accompanied data using the vertical blanking interval - Analogue interface, \$52.00

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

[IEC 62012-1 Ed. 1.0 b:2004](#), Multicore and symmetrical pair/quad cables for digital communications to be used in harsh environments - Part 1: Generic specification, \$135.00

### ELECTRIC CABLES (TC 20)

[IEC 60245-4 Ed. 2.2 b:2004](#), Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 4: Cords and flexible cables, \$64.00

### ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC/TR 60788 Ed. 2.0 en:2004](#), Medical electrical equipment - Glossary of defined terms, \$222.00

### INSULATING MATERIALS (TC 15)

[IEC 61086-2 Ed. 2.0 b:2004](#), Coatings for loaded printed wire boards (conformal coatings) - Part 2: Methods of test, \$64.00

### LASER EQUIPMENT (TC 76)

[IEC/TR 60825-14 Ed. 1.0 en:2004](#), Safety of laser products - Part 14: A user's guide, \$190.00

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

[IEC 60436 Ed. 3.0 en:2004](#), Electric dishwashers for household use - Methods for measuring the performance, \$135.00

### PRIMARY CELLS AND BATTERIES (TC 35)

[IEC 60086-2 Amd.2 Ed. 10.0 en:2004](#), Amendment 2 - Primary batteries - Part 2: Physical and electrical specifications, \$64.00

### SEMICONDUCTOR DEVICES (TC 47)

[IEC 60749-23 Ed. 1.0 b:2004](#), Semiconductor devices - Mechanical and climatic test methods - Part 23: High temperature operating life, \$33.00

### UNINTERRUPTIBLE POWER SYSTEMS (UPS) (TC 22H)

[IEC 62040-1-1 Ed. 1.0 b:2004](#), Uninterruptible power systems (UPS) - Part 1-1: General and safety requirements for UPS used in operator access areas, \$118.00

[IEC 62040-1-2 Ed. 1.0 b:2004](#), Uninterruptible power systems (UPS) - Part 1-2: General and safety requirements for UPS used in restricted access locations, \$118.00

# 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 members 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, who in turn disseminates the information to all WTO members. The purpose of this requirement is to provide trading partners with an opportunity to review and comment on the regulation before it becomes final.

To distribute information on these proposed foreign technical regulations, the National Center for Standards and Certification Information

(NCSCI), National Institute of Standards and Technology (NIST), provides an on-line service - Export Alert! - that allows interested parties to register and obtain notifications, via e-mail, for countries and industry sectors of interest to them. To register, go to <http://ts.nist.gov/ncsci> and click on "Export Alert!".

NCSCI serves as the U.S. WTO TBT inquiry point and receives copies of all notifications, in English, to disseminate to U.S. industry. To obtain copies of the full text of the regulations or for further information, contact NCSCI, NIST, 100 Bureau Drive, Stop 2160, Gaithersburg, MD 20899-2160; telephone (301) 975-4040; fax (301) 926-1559, e-mail - [ncsci@nist.gov](mailto:ncsci@nist.gov).

NCSCI will also request an extension of the comment period and transmit comments to the issuing foreign agency for consideration.



# Information Concerning

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## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### American Society of Agricultural Engineers (ASAE)

The Executive Standards Council has approved the reaccreditation of the American Society of Agricultural Engineers (ASAE) under revised operating procedures for documenting consensus on proposed American National Standards, effective February 24, 2004. For additional information, please contact: Mr. Scott Cedarquist, Director of Standards & Technical Activities, American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, MI 49085-9659; PHONE: (269) 428-6331; FAX: (269) 429-3852; E-mail: cedarq@asae.org.

### Call for Members

#### UL STP 900 - Air Filter Units

Underwriters Laboratories has announced that it is seeking consumer and other user and general interest members for the Standards Technical Panel (STP 900) covering air filter units. An STP is a group of interested parties who come together to review and update UL Standards for Safety. If interested in STP membership or additional information, please contact: Betty McKay; PHONE: (919) 549-1896; FAX: (919) 547-6180; E-Mail: Betty.C.McKay@us.ul.com.

#### UL STP 61496 - Light Curtains

Underwriters Laboratory is seeking Users and General Interest participants for the following Standards Technical Panel: Standards Technical Panel for Light Curtains, STP 61496, covering UL 61496-1, Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests; and UL 61496-2, Electro-Sensitive Protective Equipment, Part 2: Particular Requirements for Equipment Using Active Opto-Electronic Protective Devices (AOPDs).

Due to balance issues, only Users and General Interest participants can be accepted at this time. A description of these interest categories is as follows:

*Users:* Those who are predominantly interested in the use of the product, materials, or services. This category typically includes consumers, regulatory agencies, authorities having jurisdiction, suppliers, distributors, retailers, safety associations, certification organizations, and producers of components of products covered by this Standard or producers of end products of products covered by a component standard.

*General:* This category typically includes trade associations, professional and lay people employed by academic and scientific institutions, experts, government agencies in a non-regulatory capacity, insurance companies, utilities.

If you are interested in participating on this STP, please contact Tim Lupo, STP Project Manager, UL, 12 Laboratory Drive, Research Triangle Park, NC 27709. PHONE: (919) 549-1491. FAX: (919) 547-8460. E-mail: Timothy.E.Lupo@us.ul.com.

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Applications for Accreditation

#### Composite Panel Association

#### Comment Deadline: March 26, 2004

Composite Panel Association  
18922 Premiere Court  
Gaithersburg, MD 20879  
PHONE: (301) 670-0604

The Composite Panel Association has submitted an application for accreditation of its certification program in the following product area:

Environmentally Preferable Product Grademark Program for wood composite products.

Please send your comments by March 26, 2004 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: rfigueir@ansi.org.

#### International Association of Plumbing and Mechanical Officials Evaluation Service

#### Comment Deadline: March 26, 2004

International Association of Plumbing and Mechanical Officials Evaluation Service  
5001 E. Philadelphia St.  
Ontario, CA 91761

The International Association of Plumbing and Mechanical Officials Evaluation Service has submitted an application for accreditation of its certification program in the following product area:

Certification of Building products to NFPA 5000 and Standards within it or criteria based upon it.

Please send your comments by March 26, 2004 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: rfigueir@ansi.org.

### Notification of Accreditation

#### Intertek Testing Services, NA Inc.

Intertek Testing Services, NA Inc.'s Boxborough, MA location has been granted ANSI accreditation of its third-party product certification program for Industry Canada's requirements: (a) Radio - All Radio Standards Specifications (RSS) in Category I Equipment Standards List Radio, and (b) Broadcasting - All Broadcasting Technical Standards (BETS) in Category I Equipment Standards List.

**PROPOSED REQUIREMENTS FOR THE FIRST EDITION OF THE STANDARD FOR  
ARC-FAULT CIRCUIT-INTERRUPTERS, UL 1699**

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

**REVISION OF THE REQUIREMENTS FOR CORD AFCIs CONSTRUCTED WITH ARC FAULT  
PROTECTION IN THE PLUG**

**Proposal Presented as Submitted by STP Member**

**RATIONALE**

Paragraph 31.3 of UL 1699 presently requires that a cord AFCI provide protection if the neutral (grounded) supply conductor becomes open. Open neutral protection is intended to address the risk of the protective device providing power from the ungrounded supply conductor while not being capable of opening in the event of an arcing fault. This could occur with a flexural failure in a power supply cord, where the grounded (neutral) conductor opens while the ungrounded conductor remains intact. The open neutral condition is far less likely to exist when the AFCI protection is an integral part of the plug of the power supply cord. It is therefore proposed that a cord AFCI constructed with arc fault protection in the plug need not comply with the open neutral protection required of 31.3. This also correlates with the current requirements for Leakage Current Detection Interrupters (LCDIs) and Appliance Leakage Current Interrupters (ALCIs).

**PROPOSAL**

31.3 A cord AFCI shall provide protection in the event that the grounded conductor becomes open circuited.

*Exception: A cord AFCI constructed with arc fault protection circuitry integral to the attachment plug and intended for a dedicated load need not comply with the requirements of 31.3.*