

# **STANDARDS ACTION**

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

VOL. 34, #28

July 11, 2003

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## American National Standards

### Call for comment on proposals listed

This section solicits your comments on proposed draft new American National Standards, including the national adoption of ISO and IEC 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 should 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.

★ Standard for consumer products

### 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)

## Comment Deadline: August 10, 2003

### ATIS (ASC O5) (Alliance for Telecommunications Industry Solutions)

#### Supplements

BSR O5.1b-200x, Specifications and Dimensions (supplement to ANSI O5.1-2002)

To update a requirement for Chilean radiata pine for kiln drying.

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

Send comments (with copy to BSR) to: Steve Barclay, ATIS (ASC O5); sbarclay@atis.org

### NAAMM (National Association of Architectural Metal Manufacturers)

#### New Standards

BSR/NAAMM HMMA 862-200x, Guide Specifications for Commercial Security Hollow Metal Doors and Frames (new standard)

Specification for hollow metal doors and frames for use in commercial, industrial, and government projects, where security is of paramount concern. Typical applications include office buildings, warehouses, industrial buildings, embassies, convention centers, and government buildings. Performance criteria is established to frustrate forced entry, ballistic penetration, and blast resistance.

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

Send comments (with copy to BSR) to: Edward Estes, NAAMM; estesassos@cox.net

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 1286-200x, Standard for Safety for Office Furnishings (Bulletin dated 06/17/03) (revision of ANSI/UL 1286-1997)

(1) Clarification of which receptacle installation requires the Spill Test in Section 34.

(2) Addition of marking exceptions to paragraphs 38.3 and 38.4.

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

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to BSR) to: Mitchell Gold, UL-IL; Mitchell.Gold@us.ul.com

## Comment Deadline: August 25, 2003

### ACC (American Chemistry Council)

#### Revisions

BSR Z400.1-200x, Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation (revision of ANSI Z400.1-1998)

This Standard applies to the preparation of MSDSs for chemicals and materials used under occupational conditions. It presents basic information on how to develop and write MSDSs that are complete, clear and consistent. It also identifies information that must be included to comply with the HCS. Additional information is provided to help comply with state and federal environmental and safety laws and regulations. With the addition of certain data elements, this Standard is also acceptable for international use.

Single copy price: N/A

Order from: Susan Blanco, ACC;

susan\_blanco@americanchemistry.com

Send comments (with copy to BSR) to: Same

### ASME (American Society of Mechanical Engineers)

#### Supplements

BSR/ASME RA-Sa-200x, Probabilistic Risk Assessment for Nuclear Power Plant Applications (supplement to ANSI/ASME RA-S-2002)

This Standard sets forth requirements for probabilistic risk assessments (PRAs) used to support risk-informed decisions for commercial light water reactor nuclear power plants, and prescribes a method for applying these requirements for specific applications (additional or revised requirements may be needed for other reactor designs).

Single copy price: \$30.00

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

Send comments (with copy to BSR) to: Shannon Burke, ASME;

burkes@asme.org

### 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: Faith Lanzetta, ASTM

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

Faith Lanzetta, ASTM

#### New Standards

BSR/ASTM E2281-200x, Practice for Process and Measurement Capability Indices (new standard)

Single copy price: \$35.00

BSR/ASTM E2282-200x, Guide for Defining the Test Result of a Test Method (new standard)

Single copy price: \$25.00

BSR/ASTM E2284-200x, Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-conforming Items, or a Rate of Occurrence for Non-conformities, Using Attribute Data, When There Is a Zero Response in the Sample (new standard)

Single copy price: \$30.00

BSR/ASTM F2263-200x, Test Method for Evaluating the Oxidative Resistance of Polyethylene (PE) Pipe to Chlorinated Water (new standard)

Single copy price: \$35.00

BSR/ASTM F2305-200x, Specification for 4 to 10 inch (100 to 250 mm) Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications (new standard)

Single copy price: \$35.00

BSR/ASTM F2306-200x, Specification for 12 to 60 inch (300 to 1500 mm) Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications (new standard)

Single copy price: \$30.00

BSR/ASTM F2307-200x, Specification for Series 10 Poly(Vinyl Chloride) (PVC) Closed Profile Gravity Pipe and Fittings Based on Controlled Inside Diameter (project #62-02-03) (new standard)

Single copy price: \$30.00

BSR/ASTM F2308-200x, Specification for 12 to 60 inch (300 to 1500 mm) Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications (new standard)

Single copy price: \$35.00

BSR/ASTM F2309-200x, Specification for 4 to 10 inch (100 to 250 mm) Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications (new standard)

Single copy price: \$35.00

**Revisions**

BSR/ASTM D2104-200x, Specification for Polyethylene (PE) Plastic Pipe, Schedule 40 (revision of ANSI/ASTM D2104-2001)

Single copy price: \$30.00

BSR/ASTM D2235-200x, Specification for Solvent Cement for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe and Fittings (revision of ANSI/ASTM D2235-2001)

Single copy price: \$30.00

BSR/ASTM D2239-200x, Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter (revision of ANSI/ASTM D2239-2001)

Single copy price: \$30.00

BSR/ASTM D2447-200x, Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter (revision of ANSI/ASTM D2447-2001)

Single copy price: \$30.00

BSR/ASTM D2513-200x, Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM D2513-2003)

Single copy price: \$35.00

BSR/ASTM D2564-200x, Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems (revision of ANSI/ASTM D2564-2002)

Single copy price: \$30.00

BSR/ASTM D2657-200x, Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings (revision of ANSI/ASTM D2657-1996)

Single copy price: \$30.00

BSR/ASTM D2665-200x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings (revision of ANSI/ASTM D2665-2002)

Single copy price: \$30.00

BSR/ASTM D2729-200x, Specification for Poly(vinyl Chloride) (PVC) Sewer Pipe and Fittings (revision of ANSI/ASTM D2729-1996)

Single copy price: \$25.00

BSR/ASTM D2737-200x, Specification for Polyethylene (PE) Plastic Tubing (revision of ANSI/ASTM D2737-2001)

Single copy price: \$30.00

BSR/ASTM D2774-200x, Practice for Underground Installation of Thermoplastic Pressure Piping (revision of ANSI/ASTM D2774-2001)

Single copy price: \$30.00

BSR/ASTM D2837-200x, Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products (revision of ANSI/ASTM D2837-1999)

Single copy price: \$35.00

BSR/ASTM D3034-200x, Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings (revision of ANSI/ASTM D3034-2000)

Single copy price: \$30.00

BSR/ASTM D3035-200x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter (revision of ANSI/ASTM D3035-2001)

Single copy price: \$30.00

BSR/ASTM D3138-200x, Specification for Solvent Cements for Transition Joints Between Acrylonitrile-butadiene-styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-pressure Piping Components (revision of ANSI/ASTM D3138-2002)

Single copy price: \$25.00

BSR/ASTM E105-200x, Practice for Probability Sampling of Materials (revision of ANSI/ASTM E105-1997)

Single copy price: \$15.00

BSR/ASTM E329-200x, Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction (revision of ANSI/ASTM E329-2002a)

Single copy price: \$30.00

BSR/ASTM E699-200x, Standard Criteria for Evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating Building Components in Accordance with Test Methods Promulgated by ASTM Committee E-6 (revision of ANSI/ASTM E699-199x)

Single copy price: \$30.00

BSR/ASTM F405-200x, Specification for Corrugated Polyethylene (PE) Pipe and Fittings (revision of ANSI/ASTM F405-1996)

Single copy price: \$30.00

BSR/ASTM F645-200x, Guide for Selection, Design, and Installation of Thermoplastic Water-Pressure Piping Systems (revision of ANSI/ASTM F645-2002)

Single copy price: \$30.00

BSR/ASTM F679-200x, Specification for Poly(Vinyl Chloride) (PVC) Large-diameter Plastic Gravity Sewer Pipe and Fittings (revision of ANSI/ASTM F679-2000)

Single copy price: \$30.00

BSR/ASTM F714-200x, Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2001)

Single copy price: \$30.00

BSR/ASTM F803-200x, Specification for Eye Protectors for Selected Sports (revision of ANSI/ASTM F803-2001A)

Single copy price: \$35.00

BSR/ASTM F876-200x, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2001)

Single copy price: \$30.00

BSR/ASTM F905-200x, Practice for Qualification of Polyethylene Saddle Fusion Joints (revision of ANSI/ASTM F905-1996)

Single copy price: \$25.00

BSR/ASTM F1488-200x, Specification for Coextruded Composite Pipe (revision of ANSI/ASTM F1488-2000)

Single copy price: \$35.00

BSR/ASTM F1498-200x, Specification for Taper Pipe Threads 60 Deg; for Thermoplastic Pipe and Fittings (revision of ANSI/ASTM F1498-2000)

Single copy price: \$35.00

BSR/ASTM F1734-200x, Practice for Qualification of a Combination of Squeeze Tool, Pipe and Squeeze-off Procedures to Avoid Long-term Damage in Polyethylene (PE) Gas Pipe (revision of ANSI/ASTM F1734-1996)

Single copy price: \$25.00

BSR/ASTM F1960-200x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F1960-2002b)

Single copy price: \$25.00

BSR/ASTM F2019-200x, Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass Reinforced Plastic (GRP) Cured-in-place Thermosetting Resin Pipe (CIPP) (revision of ANSI/ASTM F2019-2000)

Single copy price: \$30.00

**Reaffirmations**

BSR/ASTM D2672-1996a (R200x), Specification for Joints for IPS PVC Pipe Using Solvent Cement (reaffirmation of ANSI/ASTM D2672-1996a)

Single copy price: \$25.00

BSR/ASTM D3212-1996 (R200x), Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (reaffirmation of ANSI/ASTM D3212-1996)

Single copy price: \$25.00

BSR/ASTM E1301-1996 (R200x), Guide for Proficiency Testing by Interlaboratory Comparisons (reaffirmation of ANSI/ASTM E1301-1996)

Single copy price: \$25.00

BSR/ASTM F690-1996 (R200x), Practice for Underground Installation of Thermoplastic Pressure Piping Irrigation Systems (reaffirmation of ANSI/ASTM F690-1996)

Single copy price: \$30.00

BSR/ASTM F1545-1996 (R200x), Specification for Plastic-lined Ferrous Metal Pipe, Fittings, and Flanges (reaffirmation of ANSI/ASTM F1545-1996)

Single copy price: \$30.00

### **Withdrawals**

ANSI/ASTM E1738-1996, Guide for the Development of a Directory of Accredited Laboratories by an Accrediting Body (withdrawal of ANSI/ASTM E1738-1996)

Single copy price: \$25.00

ANSI/ASTM F1474-1998 (R2001), Test Method for Slow Crack Growth Resistance of Notched Polyethylene Plastic Pipe (withdrawal of ANSI/ASTM F1474-1998 (R2001))

Single copy price: \$25.00

ANSI/ASTM F1589-1995 (R2001), Test Method for Determination of the Critical Pressure for Rapid Crack Propagation in Plastic Pipe (withdrawal of ANSI/ASTM F1589-1995 (R2001))

Single copy price: \$25.00

## **NISO (National Information Standards Organization)**

### **New Standards**

BSR/NISO Z39.19-200x, Guidelines for the Construction, Format, and Management of Monolingual Thesauri (new standard)

Z39.19 shows how to formulate descriptors, establish relationships among terms, and present the information in print and on a screen. Included are thesaurus maintenance procedures and recommended features for thesaurus management systems. Extensive examples, suggestions for further reading, and a detailed index complete this outstanding standard.

Single copy price: \$55.00 for print

Order from: Jane Thomson, NISO; nisohq@niso.org

Send comments (with copy to BSR) to: Same

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

### **New Standards**

BSR/SCTE 79-1-200x, DOCS 2.0 Part 1: Radio Frequency Interface (new standard)

This document defines the second generation of radio frequency interface specifications for high-speed data-over-cable systems.

Single copy price: Free

Order from: Stephen Oksala, SCTE; soksala@scte.org

Send comments (with copy to BSR) to: standards@scte.org

BSR/SCTE 92-200x, Specification for 5/8-24 Plug (Male), Trunk & Distribution Connectors (new standard)

The purpose of this specification is to serve as a recommended guideline for the physical dimensions of all male 5/8 - 24 plug (male) trunk and distribution connectors that are typically used in the 75 ohm RF broadband communications industry.

Single copy price: Free

Order from: Stephen Oksala, SCTE; soksala@scte.org

Send comments (with copy to BSR) to: standards@scte.org

BSR/SCTE TP 208-200x, AM Cross Modulation Measurement (new standard)

This document describes a test procedure for the laboratory and production measurement of Amplitude Modulation Cross Modulation (or AM-XMOD) that is present in Broadband Systems which carry Frequency Division Multiplexed (FDM), amplitude modulated, analog video channels. A more in-depth theoretical discussion of cross modulation, including a description of the physical generation and manifestations, is given in Appendix A. An outline of a derivation for an expression of PM-XMOD is given therein.

Single copy price: Free

Order from: Stephen Oksala, SCTE; soksala@scte.org

Send comments (with copy to BSR) to: standards@scte.org

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

### **New National Adoptions**

- ★ BSR/UL 60947-4-1-200x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters (Bulletin dated July 11, 2003) (national adoption with modifications)

The purpose of this standard is to harmonize as far as practicable all rules and requirements applicable to contactors and motor starters in order to obtain uniformity of requirements and tests throughout the corresponding range of equipment and to avoid the need for testing to different standards. This standard is intended to be used in conjunction with the Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 1: General Rules, UL 60947-1, where applicable.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Warren Casper, UL-NC;

Christopher.W.Casper@us.ul.com

### **Revisions**

BSR/UL 407-200x, Manifolds for Compressed Gasses (revision of ANSI/UL 407-1995)

The 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 for nonflammable medical gases are intended to be installed and used in accordance ANSI/NFPA 51. Those for nonflammable medical gases are intended to be installed and used in accordance with the NFPA 56F.

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 1005-200x, Standard for Safety for Electric Flatirons (Bulletin dated 07/08/03) (revision of ANSI/UL 1005-2002)

The following items are subject to comment:

- (1) Revision of paragraph 12.1.2.10 to delete "natural" from the term "natural gray."
- (2) Revision of paragraphs 27.1.1 and 27.1.3 to require the water reservoir of a steam iron be filled to the maximum "fill" level during the drop test.
- (3) Revision of paragraphs 43.4.1 and 43.4.2 to clarify that, after the Endurance Test, the water reservoir is filled to determine evidence of deterioration.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Mitchell Gold, UL-IL;

Mitchell.Gold@us.ul.com

## Corrections

### Comment Deadline: September 9, 2003

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

#### AGMA (American Gear Manufacturers Association)

##### Revisions

BSR/AGMA 6013-A-200x, Industrial Enclosed Gear Drives (revision, redesignation and consolidation of ANSI/AGMA 6010-F97 (R2003) and ANSI/AGMA 6009-A00)

Includes design, rating, lubrication, testing and selection information for enclosed gear drives, including foot mounted, shaft mounted, screw conveyor drives and gearmotors. These drives may include spur, helical, herringbone or double helical, or bevel gearing in single or multistage drives, and may include worm gearing in multistage drives as either parallel, concentric or right angle configurations.

Single copy price: \$30.00

Order from: William Bradley, AGMA; [tech@agma.org](mailto:tech@agma.org)  
Send comments (with copy to BSR) to: Same

BSR/AGMA 6113-200x, Industrial Enclosed Gear Drives (Metric Edition) (revision, redesignation and consolidation of ANSI/AGMA 6110-F97 (R2003) and ANSI/AGMA 6109-A-00)

Includes design, rating, lubrication, testing and selection information for enclosed gear drives, including foot mounted, shaft mounted, screw conveyor drives and gearmotors. These drives may include spur, helical, herringbone or double helical, or bevel gearing in single or multistage drives, and may include worm gearing in multistage drives as either parallel, concentric or right angle configurations.

Single copy price: \$30.00

Order from: William Bradley, AGMA; [tech@agma.org](mailto:tech@agma.org)  
Send comments (with copy to BSR) to: Same

#### NEMA (ASC C119) (National Electrical Manufacturers Association)

##### New Standards

BSR CC 1-200x, Electric Power Connection for Substations (new standard)

Covers uninsulated connectors and bus supports which are made of metal and intended for use in substations. Connectors which are supplied in equipment are covered by the appropriate equipment standards and are excluded from this Standards Publication.

Single copy price: \$40.00

Order from: Vince Baclawski, NEMA; [vin\\_baclawski@nema.org](mailto:vin_baclawski@nema.org)  
Send comments (with copy to BSR) to: Same

#### NEMA (ASC C78) (National Electrical Manufacturers Association)

##### Revisions

BSR C78.81-200x, Fluorescent Lamps - Double Based - Dimensional and Electrical Characteristics (revision of ANSI C78.81-2001)

Sets forth the physical and electrical characteristics of the principal types of fluorescent lamps intended for application on conventional line frequency circuits, and electronic high frequency circuits.

Single copy price: \$318.00

Order from: Randolph N. Roy, NEMA (ASC C78); [ran\\_roy@nema.org](mailto:ran_roy@nema.org)  
Send comments (with copy to BSR) to: Same

#### BSR/NCCLS M2-A8-200x and BSR/NCCLS M7-A6-200x

In the May 30, 2003 edition of Standards Action two items were listed incorrectly on page 3.

The single copy price for BSR/NCCLS M2-A8-200x was incorrect for non-members. It should be \$225, not \$155.

The project action for BSR/NCCLS M7-A6-200x was listed as a reaffirmation. It should be listed as (revision and redesignation of ANSI/NCCLS M7-A5-2000).

# 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:

### ACC

American Chemistry Council  
1300 Wilson Blvd.  
Arlington, VA 22209  
Phone: (703) 741-5227

Fax: (703) 741-6227

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

### AGMA

American Gear Manufacturers  
Association  
500 Montgomery Street, Suite 350  
Alexandria, VA 22314-1560  
Phone: (703) 684-0211  
Fax: (703) 684-0242  
Web: [www.agma.org](http://www.agma.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](http://www.asme.org)

### ASTM

ASTM  
100 Barr Harbor Drive  
West Conshohocken, PA  
19428-2959  
Phone: (610) 832-9743  
Fax: (610) 832-9666  
Web: [www.astm.org](http://www.astm.org)

### comm2000

1414 Brook Drive  
Downers Grove, IL 60515  
Web: [www.comm-2000.com](http://www.comm-2000.com)

### NAAMM

National Association of  
Architectural Metal  
Manufacturers  
8 South Michigan Avenue  
Chicago, IL 60603  
Phone: (312) 332-0405  
Fax: (312) 332-0706  
Web: [www.Naamm@gss.net](http://www.Naamm@gss.net)

### NEMA

National Electrical Manufacturers  
Association  
1300 North 17th Street  
Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3236  
Fax: (703) 841-3336

### NEMA (ASC C78)

National Electrical Manufacturers  
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1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
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Fax: (703) 841-3377  
Web: [www.nema.org](http://www.nema.org)

### NISO

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Bethesda, MD 20814  
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Fax: (301) 654-1721  
Web: [www.niso.org](http://www.niso.org)

### SCTE

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

## Send comments to:

### ACC

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[www.americanchemistry.com/](http://www.americanchemistry.com/)

### AGMA

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Association  
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Alexandria, VA 22314-1560  
Phone: (703) 684-0211  
Fax: (703) 684-0242  
Web: [www.agma.org](http://www.agma.org)

### ASME

American Society of Mechanical  
Engineers  
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New York, NY 10016  
Phone: (212) 591-8460  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### ASTM

ASTM  
100 Barr Harbor Drive  
West Conshohocken, PA  
19428-2959  
Phone: (610) 832-9743  
Fax: (610) 832-9666  
Web: [www.astm.org](http://www.astm.org)

### ATIS (ASC T1)

Alliance for Telecommunications  
Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8832  
Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)

### NAAMM

National Association of  
Architectural Metal  
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8 South Michigan Avenue  
Chicago, IL 60603  
Phone: (312) 757-583-3367  
Fax: (312) 332-0706  
Web: [www.Naamm@gss.net](mailto:www.Naamm@gss.net)

### NEMA

National Electrical Manufacturers  
Association  
1300 North 17th Street  
Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3236  
Fax: (703) 841-3336

### NEMA (ASC C78)

National Electrical Manufacturers  
Association  
1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3277  
Fax: (703) 841-3377  
Web: [www.nema.org](http://www.nema.org)

### NISO

National Information Standards  
Organization  
4733 Bethesda Avenue, Suite 300  
Bethesda, MD 20814  
Phone: (301) 654-2512  
Fax: (301) 654-1721  
Web: [www.niso.org](http://www.niso.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)

### UL-CA

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

### UL-IL

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096  
Phone: (847) 664-2850  
Fax: (847) 313-2850

### UL-NC

Underwriters Laboratories, Inc.  
12 Laboratory Drive  
Research Triangle Park, NC  
27709-3995  
Phone: (919) -549-1543  
Fax: (919) 547-6185

# Initiation of Canvasses

The following ANSI-accredited standards developers have announced their intent to conduct a canvass on the proposed American National Standard(s) listed herein in order to develop evidence of consensus for submittal to ANSI for approval as an American National Standard. Directly and materially affected interests wishing to participate as a member of a canvass list, i.e., consensus body, should contact the sponsor of the standard within 30 days of the publication date of this issue of Standards Action. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for information with regard to canvass standards maintained under the continuous maintenance option.

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## **ACC (American Chemistry Council)**

**Office:** 1300 Wilson Blvd.  
Arlington, VA 22209

*Contact:* Susan Blanco

**Phone:** (703) 741-5227

**Fax:** (703) 741-6227

**E-mail:** susan\_blanco@americanchemistry.com

BSR Z400.1-200x, Hazardous Industrial Chemicals - Material Safety  
Data Sheets - Preparation (revision of ANSI Z400.1-1998)

## **NEMA (National Electrical Manufacturers Association)**

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

*Contact:* Jean French

**Phone:** (703) 841-3252

**Fax:** (703) 841-3352

**E-mail:** jea\_french@nema.org

BSR/NEMA AB 4-200x, Guidelines for Inspection and Preventive  
Maintenance of Molded Case Circuit Breakers Used in Commercial  
and Industrial Applications (revision of ANSI/NEMA AB 4-2000)

## **OPEI (Outdoor Power Equipment Institute)**

**Office:** 341 South Packer Street  
Alexandria, VA 22314

*Contact:* Nate Wall

**Phone:** (703) 549-7600

**Fax:** (703) 549-7604

**E-mail:** nwall@opei.org

BSR B175.2-2000 (R200x), Outdoor Power Equipment - Hand-Held and  
Backpack Gasoline-Engine-Powered Blowers (reaffirmation of ANSI  
B175.2-2000)



# 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.

## AMCA (Air Movement and Control Association)

### New Standards

ANSI/AMCA 99-2414-2003, Impeller Diameters and Outlet Areas for Tubular Centrifugal Fans (new standard): 7/8/2003

## ANS (American Nuclear Society)

### New Standards

ANSI/ANS 16.1-2003, Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Test Procedure (new standard): 7/7/2003

## API (American Petroleum Institute)

### New National Adoptions

ANSI/API Spec 13A/ISO 13500-2003, Specification for Drilling-Fluid Materials (identical national adoption): 7/7/2003

## ASME (American Society of Mechanical Engineers)

### New Standards

ANSI/ASME B5.61-2003, Power Presses - General Purpose Single Action Straight Side Type (new standard): 7/7/2003

ANSI/ASME PVHO-2-2003, Safety Standard for Pressure Vessel for Human Occupancy In-Service Guidelines for PVHO Acrylic Windows (new standard): 7/1/2003

ANSI/ASME Y14.41-2003, Product Definition Data Set Practices - Digital (new standard): 7/7/2003

### Reaffirmations

ANSI/ASME B18.3.2M-1979 (R2003), Metric Series Hexagon Keys and Bits (reaffirmation of ANSI/ASME B18.3.2M-1979 (R1998)): 7/8/2003

ANSI/ASME B18.18.5M-1998 (R2003), Inspection and Quality Assurance Plan Requiring In-Process Inspection and Controls (reaffirmation of ANSI/ASME B18.18.5M-1998): 7/8/2003

ANSI/ASME B18.18.6M-1998 (R2003), Quality Assurance Plan for Fasteners Produced in a Third Party Accreditation System (reaffirmation of ANSI/ASME B18.18.6M-1998): 7/8/2003

ANSI/ASME B18.18.7M-1998 (R2003), Quality Assurance Plan for Fasteners Produced in a Customer Approved Control Plan (reaffirmation of ANSI/ASME B18.18.7M-1998): 7/8/2003

### Revisions

ANSI/ASME B5.52-2003, Power Presses - General Purpose Single Gap Type (revision of ANSI/ASME B5.52M-1980 (R2002)): 7/7/2003

ANSI/ASME B5.54-2003, Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers (revision of ANSI/ASME B5.54-1992 (R1998)): 7/7/2003

ANSI/ASME B18.3-2003, Socket Cap Shoulder and Set Screws, Hex and Spline Keys (Inch Series) (revision of ANSI/ASME B18.3-1998): 7/8/2003

ANSI/ASME B31.8-2003, Gas Transmission and Distribution Piping Systems (revision of ANSI/ASME B31.8-1999): 7/8/2003

### Supplements

ANSI/ASME B40.200a-2003, Thermometers, Direct Reading and Remote Reading (supplement to ANSI/ASME B40.200-2001): 7/7/2003

### Withdrawals

ANSI B5.44-1971, Rotary Table Surface Grinding Machines (withdrawal of ANSI B5.44-1971 (R1998)): 7/8/2003

ANSI B5.45-1972, Milling Machines (withdrawal of ANSI B5.45-1972 (R1998)): 7/8/2003

ANSI/ASME B5.5-1959, Rotating Air Cylinders and Adapters (withdrawal of ANSI/ASME B5.5-1959 (R1998)): 7/8/2003

ANSI/ASME B5.16-1952, Accuracy of Engine and Tool Room Lathes (withdrawal of ANSI/ASME B5.16-1952 (R2002)): 7/8/2003

ANSI/ASME B5.32-1977, Grinding Machines, Surface, Reciprocating Table - Horizontal Spindle (withdrawal of ANSI/ASME B5.32-1977 (R2002)): 7/8/2003

ANSI/ASME B5.32.1-1977, Grinding Machines, Surface, Reciprocating Table - Vertical Spindle (withdrawal of ANSI/ASME B5.32.1-1977 (R2002)): 7/8/2003

ANSI/ASME B5.33-1981, External Cylindrical Grinding Machines - Plain (withdrawal of ANSI/ASME B5.33-1981 (R2002)): 7/8/2003

ANSI/ASME B5.37-1970, External Cylindrical Grinding Machines - Centerless (withdrawal of ANSI/ASME B5.37-1970 (R2002)): 7/8/2003

ANSI/ASME B5.43-1977, Modular Machine Tool Standards (withdrawal of ANSI/ASME B5.43-1977 (R2002)): 7/8/2003

ANSI/ASME B5.46-1972, Symbols for Machine Tool Indicator Plates (withdrawal of ANSI/ASME B5.46-1972 (R2002)): 7/8/2003

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

### New National Adoptions

INCITS/ISO/IEC 9796-2-2002, Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (identical national adoption): 7/7/2003

INCITS/ISO/IEC 10118-4-1998, Information Technology - Security Techniques - Hash-Functions - Part 4: Hash-Functions Using Modular Arithmetic (identical national adoption): 7/7/2003

INCITS/ISO/IEC 15444-4-2002, Information technology - JPEG 2000 image coding system - Part 4: Conformance testing (identical national adoption): 7/7/2003

INCITS/ISO/IEC 15946-1-2002, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 1: General (identical national adoption): 7/7/2003

INCITS/ISO/IEC 15946-2-2002, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 2: Digital signatures (identical national adoption): 7/7/2003

INCITS/ISO/IEC 15946-3-2002, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 3: Key establishment (identical national adoption): 7/7/2003

INCITS/ISO/IEC 18014-1-2002, Information technology - Security techniques - Time-stamping services - Part 1: Framework (identical national adoption): 7/7/2003

INCITS/ISO/IEC 18014-2-2002, Information technology - Security techniques - Time-stamping services - Part 2: Mechanisms producing independent tokens (identical national adoption): 7/7/2003

INCITS/ISO/IEC 19113-2002, Geographic information - Quality principles (identical national adoption): 7/7/2003

INCITS/ISO/IEC 22050-2002, Information technology - Data interchange on 12,7 mm, 384-track magnetic tape cartridges - Ultrium-1 format (identical national adoption): 7/7/2003

INCITS/ISO/IEC 22051-2002, Information technology - Data interchange on 12,7 mm, 448-track magnetic tape cartridges - SDLT1 format (identical national adoption): 7/7/2003

INCITS/ISO/IEC 22091-2002, Information technology - Streaming Lossless Data Compression algorithm (SLDC) (identical national adoption): 7/7/2003

#### ***Supplements***

INCITS/ISO/IEC 14496-5-2001 Amendment 1-2002, Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 1: Reference software for MPEG-4 (supplement to INCITS/ISO/IEC 14496-5-2001): 7/7/2003

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

##### ***Revisions***

ANSI/SCTE 43-2003, Digital Video Systems Characteristics Standard for Cable Television (revision of ANSI/SCTE 43-2002): 7/8/2003

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

##### ***New Standards***

ANSI/UL 66-2003, Fixture Wire (new standard): 7/7/2003

# 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.

## ADA (American Dental Association)

**Office:** 211 East Chicago Avenue  
Chicago, IL 60611-2678

**Contact:** Sharon Stanford

**Fax:** (312) 440-2529

**E-mail:** stanfords@ada.org

BSR/ADA 5-200x, Dental Casting Alloys (revision, redesignation and consolidation of ANSI/ADA 5-1997 and ANSI/ADA 14-1982 (R1998))

This Specification applies to physical and mechanical properties requirements for cast dental prostheses of four types. It specifies requirements, test methods, manufacturer's information, marking and packaging.

BSR/ADA 35-200x, High-Speed Air-Driven Handpieces (national adoption with modifications)

This document specifies requirements and test methods for the application of high-speed air turbine dental handpieces (hereafter termed handpieces) to patients. It also contains specifications on manufacturer's instructions, packaging and marking.

BSR/ADA 46-200x, Dental patient chairs (national adoption with modifications and revision of ANSI/ADA 46-1982 (R1993) and ANSI/ADA 46a-1985)

This Specification applies to all dental patient chairs, regardless of their construction and also regardless of whether they are operated manually or electrically or by other means, or as a combination of these. It specifies requirements, test methods, manufacturer's information, marking and packaging.

BSR/ADA 58-200x, Root Canal Files, Type H (Hedstrom) (revision of ANSI/ADA 58-1997)

This specification is for endodontic hedstrom files for hand use only having a working part taper of 2% (0.02 millimeter per millimeter of length) as used in endodontic preparation or shaping operations.

BSR/ADA 62-200x, Dental Abrasive Pastes (new standard)

This specification is for in-office abrasive pastes used in dentistry for removing stains and other exogenous materials from natural tooth structures and prostheses.

BSR/ADA 85-Part 1-200x, Disposable Prophylaxis Angles (new standard)

This specification covers disposable prophylaxis angles suitable for a dental hygienist or a dentist to use in conjunction with a doriot style handpiece during the final stages of a dental cleaning, also known as a polish.

BSR/ADA 108-200x, Amalgam Wastewater Separators (national adoption with modifications)

This standard specifies the requirements for dental separators used in connection with dental equipment in the dental treatment center. It specifies the efficiency in terms of the level of metal particulate capture and retention based on a laboratory test. It also includes requirements for safe functioning of the separator, marking, instructions for use, operation and maintenance.

## ASAE (American Society of Agricultural Engineers)

**Office:** 2950 Niles Road  
St. Joseph, MI 49085-9659

**Contact:** Carla Miller

**Fax:** (616) 429-3852

**E-mail:** cmiller@asae.org

BSR/ASAE S366.2 XXX03 (ISO 5675:1992), Dimensions for Cylindrical Hydraulic Couplers for Agricultural Tractors (national adoption with modifications)

This standard specifies the essential interface dimensions and the operating requirements for hydraulic couplers employed to transmit hydraulic power from agricultural tractors to agricultural machinery and is identical to the ISO standard scope except for the inclusion of: (1) The 15 degree angle to accommodate dust protection; (2) Detailed location for the couplings on the tractor; (3) All of the coupler performance specifications.

## ASME (American Society of Mechanical Engineers)

**Office:** Three Park Avenue, M/S 20N1  
New York, NY 10016

**Contact:** Silvana Rodriguez

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

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

BSR/ASME Y14.40.13-200x, Graphical Symbols for diagrams - Part 13: Devices for Material Processing (identical national adoption)

This part of Y14.40 comprises graphical symbols for casting machines and machine tools.

BSR/ASME Y14.40.14-200x, Graphical Symbols for diagrams - Part 14: Devices for Transport and Handling of Materials (identical national adoption)

This part of Y14.40 graphical symbols for components and devices for material handling.

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

**Office:** 1800 East Oakton Street  
c/o CoPS  
Des Plaines, IL 60018-2187

**Contact:** *Timothy Fisher*

**Fax:** (847) 296-9221

**E-mail:** [tfisher@asse.org](mailto:tfisher@asse.org)

BSR Z690-200x, Z690.1 - Guidelines for Mold and Fungi Control and Remediation for Worker Protection in Indoor Work Environments (new standard)

The standard does not pertain to vehicles, agricultural operations, or other settings that already have established voluntary national consensus standards. The purpose of the standard is to establish minimum requirements and recommended procedures to be implemented by employers to minimize employee exposure to mold. The proposed standard does not establish an exposure level or action level for identification purposes or to trigger remediation activities.

**ATIS (ASC T1) (Alliance for Telecommunications Industry Solutions)**

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

**Contact:** *Susan Carioti*

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

**E-mail:** [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1E1-43-200x, Standards Project for Network Interfaces Associated with Transmission of About 10 Mb/s and Below Per Pair of Wires (M2DSL) (new standard)

This project is proposed to develop one or more technical reports, technical requirements, or technical standards relating to network interfaces capable of operating at symmetric payload bit rates up to about 10 Mb/s per pair of wires. Symmetric bit rates above and below 10 Mb/s may also be considered. The bit-rate should gracefully reduce for longer loops, while addressing operation for all non-loaded loops.

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

**Office:** 8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575

**Contact:** *Allen Callahan*

**Fax:** (216) 642-3463

**E-mail:** [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org);  
[Jennifer.Henderson@csa-america.org](mailto:Jennifer.Henderson@csa-america.org)

BSR Z83.4a-200x, Direct Gas-Fired Make-Up Air Heaters (same as CGA 3.7a) (supplement to ANSI Z83.4-1999)

Details test and examination of criteria for direct gas-fired industrial air heaters of the non-recirculating type, for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. A direct gas-fired industrial air heater of the non-recirculating type is described in the standard as a heater "whose purpose is to offset building heat loss. All air to the heater shall be ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated."

BSR Z83.8b-200x, Gas Unit Heaters and Gas-Fired Duct Furnaces (supplement to ANSI Z83.8-2002 and BSR Z83.8a-200x)

Details test and examination of criteria for gas unit heaters and gas-fired duct furnaces for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. A unit heater may either be suspended or floor-mounted and may be of the low- or high-static pressure type. Duct furnaces are normally installed in distribution ducts of air conditioning systems to supply warm air for heating and depended on for air circulation on a blower not furnished as a part of the furnace.

BSR Z83.18-200x, Recirculating Direct Gas-Fired Industrial Air Heaters (revision, redesignation and consolidation of ANSI Z83.18-2000, ANSI Z83.18a-2001 and BSR Z83.18b-200x)

Details test and examination criteria for direct gas-fired industrial air heaters of the recirculating type, for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. A direct gas-fired industrial air heater of the recirculating type is described in the standard as a heater "whose purpose is to offset building heat loss. Ventilation air to the heater shall be ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated. Inside air may be introduced before or after the combustion zone."

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

**Office:** 445 Hoes Lane, P.O.Box 1331  
Piscataway, NJ 08855-1331

**Contact:** Catherine Berger

**E-mail:** c.berger@ieee.org

BSR/IEEE 1045-200x, Standard for Software Productivity Measurement (revision of ANSI/IEEE 1045-1993 (R2003))

This project will follow the scope of the existing standard, particularly the definitions and techniques for determining software productivity. As in the current standard, this project will provide adopters with a standard method for quantifying the productivity of software organizations, including the use of productivity for (new) software development, software reuse, and software maintenance. The scope of this project does not require a specific software measurement process (though one is referenced) or a particular software life-cycle model. This project will adopt the measurement terminology and measurement information model of ISO/IEC 15939, using this terminology to describe software productivity measures. Finally, this project will provide an informative annex that demonstrates the use of the ISO/IEC 15939 measurement process, activities and tasks for determining software productivity.

BSR/IEEE 1584-200x, Guide for Performing Arc-Flash Hazard Calculations (revision of ANSI/IEEE 1584-2002)

This guide provides techniques for designers and facility operators to apply in determining the arc-flash hazard distance and the incident energy to which employees could be exposed during their work on or near electrical equipment. The revision will allow an update to the models based on further testing and analysis. It will also allow separation of the text of the standard and the spreadsheet based calculator. Any calculator developed will be issued as a separate item under this PAR.

BSR/IEEE 1647-200x, Standard for the Functional Verification Language 'e' (new standard)

This project will develop a standard verification language based on the "e" language, by clearly specifying (a) the e-language constructs, (b) the e-language interaction with standard simulation languages of interest, (c) the libraries used currently in conjunction with the e-language, and (d) additional new features of interest.

BSR/IEEE 1650-200x, Standard Test Methods for Measurement of Electrical Properties of Carbon Nanotubes (new standard)

This project will develop standard methods for the electrical characterization of carbon nanotubes. The methods will be independent of processing routes used to fabricate the carbon nanotubes.

BSR/IEEE 2200-200x, Standard for Baseline Operating Systems Security™ (BOSS™) (new standard)

This standard identifies reasonable security requirements for general-purpose, commercial-off-the-shelf operating systems, expressed in terms of the International Organization for Standardization Common Criteria framework.

**INMM (ASC N14) (Institute of Nuclear Materials Management)**

**Office:** 109 Caldwell Drive  
Oak Ridge, TN 37830

**Contact:** Joree' O'Neal

**Fax:** (865) 576-6675

**E-mail:** onealj@ornl.gov

BSR N14.1-2001 Addendum 2-200x, Uranium Hexafluoride - Packaging for Transport (supplement to ANSI N14.1-2001)

This addendum will add an additional design for the type 30B cylinder. This additional cylinder design will be an available option to current cylinder designs. Retro-fitting existing 30B cylinders with a water tight valve cover/protector will also be approved.

BSR N14.1-2001 Addendum 3-200x, Uranium Hexafluoride - Packaging for Transport (supplement to ANSI N14.1-2001)

Approve the addition of new adaptors, valves, and cleaning fluxes for the type 1S and 2S cylinders.

**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 MH10.8.9-200x, Product Identification Using Technologies Other Than Optically Readable Media (new standard)

Defines the application standard for marking of products with radio-frequency identification (RFID) devices and/or contact memory buttons or other technologies other than optically readable media. Provides a common application standard comprised of application requirements, data content, reference to ANSI technology specifications, and conformance requirements that may be used by manufacturers and users of durable capital goods and repairable equipment.

**NEMA (National Electrical Manufacturers Association)**

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

**Contact:** Jean French

**Fax:** (703) 841-3352

**E-mail:** jea\_french@nema.org

BSR/NEMA AB 4-200x, Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications (revision of ANSI/NEMA AB 4-2000)

NEMA Standards Publication AB 4 sets forth, for use by qualified personnel, a number of basic procedures that may be used for the inspection and preventive maintenance of molded case circuit breakers used in industrial and commercial applications rated up to and including 1000 V 50/60 Hz ac or ac/dc.

**OPEI (Outdoor Power Equipment Institute)**

**Office:** 341 South Packer Street  
Alexandria, VA 22314

**Contact:** *Nate Wall*

**Fax:** (703) 549-7604

**E-mail:** [nwall@opei.org](mailto:nwall@opei.org)

BSR B175.2-2000 (R200x), Outdoor Power Equipment - Hand-Held and Backpack Gasoline-Engine-Powered Blowers (reaffirmation of ANSI B175.2-2000)

This standard sets forth the bystander sound-level test procedures and labeling requirements for the sound level of gasoline-powered backpack and hand-held blowers. This standard also includes the requirements for operator manual(s) instructions.

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

**Office:** 1655 Scott Boulevard  
Santa Clara, CA 95050

**Contact:** *Linda Phinney*

**Fax:** (408) 556-6153

**E-mail:** [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

BSR/UL 437-200x, Key Locks (Standard dated 8/4/00) (new standard)

The requirements cover key locks categorized as follows: Cabinet Locking Cylinders; Door Locks; Locking Cylinders; Security Container Key Locks, Type 1 and Type 2; and Two-Key Locks.

## 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.

# 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**  
**phone: (800) 854-7179**  
**fax: (303) 379-7956**  
**e-mail: [global@ihs.com](mailto:global@ihs.com)**  
**web: <http://global.ihs.com>**

## ISO Standards

### MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO/DIS 5168, Measurement of fluid flow - Evaluation of uncertainties - 10/1/2003, \$103.00

### PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 12625-1, Tissue paper and tissue products - Part 1: General guidance on terms - 10/4/2003, \$128.00

### PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 340, Conveyor belts - Laboratory-scale flammability characteristics - Requirements and test method - 10/4/2003, \$29.00

### SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 17338, Ships and marine technology - Drawings for fire protection - Indications of fire rating of divisions - 10/1/2003, \$33.00

### TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO/DIS 10542-3, Technical systems and aids for disabled or handicapped persons - Wheelchair tiedown and occupant restraint systems - Part 3: Docking-type tiedown systems - 10/4/2003, \$42.00

### WATER QUALITY (TC 147)

ISO/DIS 8199, Water quality - General guidance on the enumeration of micro-organisms by culture - 10/1/2003, \$80.00

ISO/DIS 17995, Water quality - Detection and enumeration of thermotolerant *Campylobacter* spp. - 10/1/2003, \$46.00

### WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 15614-4, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 4: Finishing welding of aluminium castings - 10/4/2003, \$55.00

## IEC Standards

31/470/FDIS, Amendment 1 to IEC 60079-5, Ed.2.0: Electrical apparatus for explosive gas atmospheres - Part 5: Powder filling 'q', 09/05/2003

46A/559/FDIS, IEC 62153-1-1: Metallic telecommunication cables test methods - Part 1-1: Electrical - Measurement of the pulse/step return loss in the frequency domain using the Inverse Discrete Fourier Transformation (IDFT), 09/05/2003

78/529/FDIS, Live working - Quality assurance plans applicable to tools, devices and equipment, 09/05/2003

11/175/FDIS, IEC 60826 Ed 3.0: Design criteria of overhead transmission lines, 09/05/2003

49/613/FDIS, Surface acoustic wave (SAW) filters of assessed quality - Part 3: Standard outlines, 09/05/2003

51/722/FDIS, Terms and nomenclature for cores made of magnetically soft ferrites - Part 3: Guidelines on the format of data appearing in manufacturers' catalogues of transformer and inductor cores, 09/05/2003

55/860/FDIS, Amendment 2 to the IEC 60851-2, Ed.2: Winding Wires - Test methods - Part 2: Determination of dimensions - Clause 3: Test 4 Dimensions, 09/05/2003

55/861/FDIS, Amendment 2 to the IEC 60851-3, Ed.2: Winding Wires - Test methods - Part 3: Mechanical properties - Clause 5: Test 8 - Flexibility and adherence - Clause 7: Test 18 Heat bonding, 09/05/2003

62B/493/FDIS, IEC 62220-1 Ed.1: Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 1: Determination of the detective quantum efficiency, 09/05/2003



# Newly Published ISO Standards

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

## AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 10273:2003](#), Microbiology of food and animal feeding stuffs - Horizontal method for the detection of presumptive pathogenic *Yersinia enterocolitica*, \$86.00

## GRAPHIC TECHNOLOGY (TC 130)

[ISO 2834/Cor1:2003](#), Printing inks - Preparation of standardized prints for determination of resistance to physical and chemical agents - Corrigendum, FREE

## IMPLANTS FOR SURGERY (TC 150)

[ISO 17853:2003](#), Wear of implant materials - Polymer and metal wear particles - Isolation, characterization and quantification, \$38.00

## METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 14923:2003](#), Thermal spraying - Characterization and testing of thermally sprayed coatings, \$48.00

## PACKAGING (TC 122)

[ISO 15867:2003](#), Intermediate bulk containers (IBCs) for non-dangerous goods - Terminology, \$25.00

## QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

[ISO 13485:2003](#), Medical devices - Quality management systems - Requirements for regulatory purposes, \$112.00

## WOOD-BASED PANELS (TC 89)

[ISO 9427:2003](#), Wood-based panels - Determination of density, \$30.00

[ISO 16998:2003](#), Wood-based panels - Determination of moisture resistance - Boil test, \$30.00

## ISO/IEC JTC 1, International Standardized Profiles

[ISO/IEC ISP 10611-1:2003](#), Information technology - International Standardized Profiles AMH1n - Message Handling Systems Common Messaging - Part 1: MHS Service Support, \$106.00

[ISO/IEC ISP 10611-3:2003](#), Information technology - International Standardized Profiles AMH1n - Message Handling Systems Common Messaging - Part 3: AMH11 - Message Transfer (P1), \$101.00

[ISO/IEC ISP 10611-4:2003](#), Information technology - International Standardized Profiles AMH1n - Message Handling Systems Common Messaging - Part 4: AMH12 and AMH14 - MTS Access (P3) and MTS 94 Access (P3), \$118.00

[ISO/IEC ISP 10611-5:2003](#), Information technology - International Standardized Profiles AMH1n - Message Handling Systems Common Messaging - Part 5: AMH13 - MS Access (P7), \$112.00

[ISO/IEC ISP 10611-6:2003](#), Information technology - International Standardized Profiles AMH1n - Message Handling Systems Common Messaging - Part 6: AMH15 - MS 94 Access (P7), \$147.00

[ISO/IEC ISP 12062-1:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 1: IPM MHS Service Support, \$97.00

[ISO/IEC ISP 12062-2:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 2: AMH21 - IPM Content, \$97.00

[ISO/IEC ISP 12062-3:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 3: AMH22 - IPM Requirements for Message Transfer (P1), \$53.00

[ISO/IEC ISP 12062-4:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 4: AMH23 and AMH25 - IPM Requirements for MTS Access (P3) and MTS 94 Access (P3), \$63.00

[ISO/IEC ISP 12062-5:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 5: AMH24 - IPM Requirements for Enhanced MS Access (P7), \$76.00

[ISO/IEC ISP 12062-6:2003](#), Information technology - International Standardized Profiles AMH2n - Message Handling Systems Interpersonal Messaging - Part 6: AMH26 - IPM Requirements for Enhanced MS 94 Access (P7), \$118.00



## CEN/CENELEC Standards Activity



**Competitive Excellence Through  
Standardization Technology**

This section provides information on standards activity within CEN - the European Committee for Standardization - and CENELEC - the European Committee for Electrotechnical Standardization. CEN and CENELEC are composed of European member bodies whose countries cooperate within the European Economic Community (Common Market) and the European Free Trade Association (EFTA). Their primary purpose is to develop standards needed to harmonize European interests and prevent technical barriers. Both CEN and CENELEC are committed to adopting standards developed by ISO and IEC wherever possible.

ANSI is publishing this information to give U.S. interests an opportunity to obtain information, and to comment on proposed European Standards and/or Harmonization Documents being circulated for enquiry. Anyone interested in obtaining this information, and/or commenting on proposals should order copies from ANSI.

Comments regarding CEN are to be sent to Henrietta Scully at ANSI's New York offices. Comments regarding CENELEC are to be sent to Charles T. Zegers, also at ANSI's New York offices.

### Ordering Instructions

**ENs are currently available via ANSI's ESS (Electronic Standards Store), accessed at [www.ansi.org](http://www.ansi.org).**

**prENs can be made available via ANSI's ESS "on-demand" via e-mail request. Send your request for a prEN to be made available via the ESS to Customer Service at [sales@ansi.org](mailto:sales@ansi.org) and the document will be posted to the ESS within 3 working days. Please be ready to provide the date of the Standards Action issue in which the prEN document you are requesting appears.**

## CEN

### European drafts sent for CEN enquiry

The following European drafts have been sent to CEN members for enquiry and comment. If the draft is a proposed adoption of an International Standard, it is so noted. The final date for offering comments is listed after each proposal.

- EN 115: 1995/prA2, Safety rules for the construction and installation of escalators and passenger conveyors - 10/3/2003, \$20.00
- EN 772-11: 2000/prA1, Methods of test for masonry units - Part 11: Determination of water absorption of aggregate concrete manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units - 10/3/2003, \$20.00
- EN 1015-3: 1999/prA1, Methods of test for mortar for masonry - Part 3: Determination of consistence of fresh mortar (by flow table) - 10/3/2003, \$20.00
- EN 13530-2: 2002/prA1, Cryogenic vessels - Large transportable vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing - 10/3/2003, \$20.00
- prEN 695 REVIEW, Kitchen sinks - Connecting dimensions - 12/3/2003, \$30.00
- prEN 1763, Flexible rubber and plastics hose, tubing, nozzles and assemblies for use with propane and butane in the vapour phase - Specification - 12/3/2003, \$54.00
- prEN 12953-13, Shell boilers - Part 13: Operating instructions - 12/3/2003, \$38.00

- prEN 13108-4, Bituminous mixtures - Material specifications - Part 4: Hot rolled asphalt - 12/3/2003, \$88.00
- prEN 13865, Surfaces for sports areas - Determination of angled ball behaviour - Tennis - 8/25/2003, \$24.00
- prEN ISO 340 REVIEW, Conveyor belts - Laboratory-scale flammability characteristics - Requirements and test method (ISO/DIS 340: 2003) - 11/3/2003, \$20.00
- prEN ISO 12625-1, Tissue paper and tissue products - Part 1: General guidance on terms (ISO/DIS 12625-1: 2003) - 11/3/2003, \$116.00
- prEN ISO 15614-4, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 4: Finishing welding of aluminium castings (ISO/DIS 15614-4: 2003) - 11/3/2003, \$50.00

### European drafts sent for formal vote (for information)

The following European drafts have been sent to CEN members for formal vote. If the draft is a proposed adoption of an International Standard, it is so noted.

- prCEN/TR 14715, Safety of machinery - Ionizing radiation emitted by machinery - Guidance for the application of technical standards in the design of machinery in order to comply with legislative requirements
- prCEN/TR 14734, Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method
- prEN 81-1: 1998/prA1, Safety rules for the construction and installation of lifts - Part 1: Electric lifts

- prEN 81-2: 1998/prA1, Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts
- prEN 1389, Advanced technical ceramics - Ceramic composites - Physical properties - Determination of density and apparent porosity
- prEN 12697-12, Bituminous mixtures - Test methods for hot mix asphalt - Part 12: Determination of the water sensitivity of bituminous specimens
- prEN 13369 REVIEW, Common rules for precast concrete products
- prEN 13880-6, Hot applied joint sealants - Part 6: Test method for the preparation of samples for testing
- prEN 14078, Liquid petroleum products - Determination of fatty acid methyl esters (FAME) in middle distillates - Infrared spectroscopy method
- prEN 14177, Foodstuffs - Determination of patulin in clear and cloudy apple juice and puree - HPLC method with liquid/liquid partition clean-up
- prEN 14326, Leather - Physical and mechanical tests - Determination of resistance to horizontal spread of flame
- prEN 14327, Leather - Physical and mechanical tests - Determination of abrasion resistance of upholstery leather
- prEN ISO 19840, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Measurement of, and acceptance criteria for, the dry film thickness of coatings on rough surfaces (ISO/FDIS 19840: 2003)

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

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

## PUBLIC REVIEW

Applied Materials Inc.

Organization: Applied Materials Inc.  
3105 Kifer Road, M/S 2607  
Santa Clara, CA 95051  
Contact: Jeff Klaben  
PHONE: 408-563-8085; FAX: 408-563-7670  
E-mail: [jeff\\_klaben@amat.com](mailto:jeff_klaben@amat.com)

Public Review: April 21, 2003 to July 20, 2003

Unisys Corporation

Organization: Unisys Corporation  
Unisys Way, MS E2-129M  
Blue Bell, PA 19424  
Contact: William Penglase  
PHONE: 215-986-6268; FAX: 215-986-6832  
E-mail: [William.penglase@unisys.com](mailto:William.penglase@unisys.com)

Public Review: July 4, 2003 to October 2, 2003

Department of Labor

Organization: Department of Labor, Office of the CIO  
Francis Perkins Dept of Labor Building  
Room N1301  
200 Constitution Avenue, NW  
Washington, DC 20210  
Contact: Mary McNally  
PHONE: 202-693-4208; FAX: 202-693-4228  
E-mail: [mcnally.mary@dol.gov](mailto:mcnally.mary@dol.gov)

Public Review: June 6, 2003 to September 4, 2003

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

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

Regional Information System

Public Review: June 27, 2003 to September 25, 2003

## 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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## Accredited Organizations

### Application for Accreditation

#### International 2-UP ATV Manufacturers Association (I2AMA)

#### Comment Deadline: August 11, 2003

The International 2-UP ATV Manufacturers Association (I2AMA) has submitted an Application for Accreditation as a Developer of American National Standards using its own organizational operating procedures. I2AMA's proposed scope of accreditation is as follows:

International 2-UP ATV Manufacturers Association (I2AMA) has interest and expertise in the manufacture, design and safety of double occupancy All Terrain Vehicles. This association will develop proposed American National Standards for a two person ATV (i.e. 2-UP ATV) based on knowledge, design, safety and testing of such a vehicle.

To obtain a copy of I2AMA's application and proposed operating procedures, or to offer comments, please contact: Mr. Herman P. Christopherson, 18321 Deer Run Court, Prior Lake, MN 55372; PHONE: (952) 440-5074 (to fax, please first call this same number); E-mail: hpchristopherson@earthlink.net. Please submit your comments to I2AMA by August 11, 2003, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: 212-840-2298; E-mail: jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of I2AMA's proposed operating procedures from ANSI Online during the public review period at the following URL: <http://public.ansi.org/ansionline/Documents/Standards%20Activities/Public%20Review%20and%20Comment/Accreditation%20Actions/>.

## U.S. Technical Advisory Groups

### Call for Candidate to Serve as TAG Administrator JTC 1/SC32/WG1 - Open-EDI

#### Comment Deadline: August 11, 2003

ANSI has been requested by the InterNational Committee for Information Technology Standards (INCITS), U.S. TAG for ISO/IEC JTC1, to issue a call for a candidate to serve in the following capacity:

A US organization(s) to serve as the National Body TAG Administrator for JTC 1/SC 32/WG 1 (Open-EDI).

The duties of a TAG and TAG Administrator are detailed in Sections 2.2 and 2.3 of the ANSI Procedures for the U.S. Participation in the International Standards Activities of ISO (January 2002 edition).

If your organization has an interest in serving as the TAG, please contact Henrietta Scully (hscully@ansi.org) in writing, by August 11, 2003.

## Meeting Notice

### ASC Z10

Accredited Standards Committee Z10 will hold their eighth meeting on August 13-15, 2003 at the American College of Occupational and Environmental Medicine in Chicago, IL (Meeting Location: 1114 Conference Center, 1114 North Arlington Heights Road, Arlington Heights, IL 60004). The committee will meet for a total of two-and-a-half days. All attendees are asked to cover costs for provided meals.

Please direct all questions to Jill Snyder, Standards Coordinator at AIHA (jsnyder@aiha.org; PHONE: (703) 846-0793).

Tentative meeting times: August 13th and 14th from 8 am - 5 pm and August 15th from 8 am - 12 pm.

The Z10 meeting is open to the public on a first-come first-serve basis.

## BSR O5.1b

PROPOSED (new/changed text is in blue):

Table C.1 - Groundline strength and stiffness values for new, green poles less than 50 feet (15.2m) long<sup>1),2)</sup>

Species	MOR			MOE				
	Sample Size	Mean psi	(MPa)	COV	Sample Size	Mean 10 <sup>6</sup> psi	(GPa)	COV
Northern white cedar	28	4100	(28.3)	0.173	--	--	--	--
Western red cedar	387	6310	(43.5)	0.204	268	1.59	(10.96)	0.224
Pacific silver fir	51	6380	(44.0)	0.173	51	1.67	(11.51)	0.215
Douglas-fir:								
Coastal	118	9620	(66.3)	0.135	39	3.35	(23.10)	0.194
Interior	99	8020	(55.3)	0.179	--	--	--	--
Western hemlock	154	7530	(51.9)	0.18	154	2.23	(15.38)	0.216
Western larch	48	10000	(69.0)	0.12	48	2.94	(20.27)	0.19
Jack pine	189	7300	(50.3)	0.19	--	--	--	--
Lodgepole pine	218	6650	(45.9)	0.194	108	1.84	(12.69)	0.223
Red pine	331	6310	(43.6)	0.174	229	1.63	(11.24)	0.234
Southern pine <sup>3)</sup>	143	10190	(70.3)	0.169	67	2.68	(18.48)	0.201
White spruce	56	5520	(38.1)	0.208	56	1.44	(9.93)	0.239

## NOTES

1.) Data were adapted from *Wood Pole Properties – Review, and Recommendations for Design Resistance Data, Volume 1*, and are based on class minimum circumferences (rather than measured circumferences as provided in the referenced volume at the tip and at 6 feet (1.8m) from the butt and linear taper between these points. Red pine data was supplemented with Michigan Utilities Association test results.)

2.) Values must be adjusted using the appropriate factors from Table C.4.

3.) Longleaf, shortleaf, slash, and loblolly pines.

**Table C.2 - Groundline strength and stiffness values for new, green poles, 50 feet (15.2m) and longer, used in unguyed, single-pole structures only<sup>1), 2)</sup>**

Species	Sample Size	MOR			MOE		
		Mean Psi	(MPa)	COV	Mean 10 <sup>6</sup> Psi	(GPa)	COV
Southern pine <sup>3)</sup>	120	8430	(58.1)	0.206	2.51	(17.3)	0.184
Douglas-fir:							
Coastal	165	7860	(54.2)	0.144	2.64	(18.2)	0.182
Western red cedar	100	5200	(35.9)	0.192	1.59	(11.0)	0.229
NOTES							
1) Data are based on class minimum circumferences at the tip and at 6 feet (1.8m) from the butt and linear taper between these points.							
2) Values must be adjusted using the appropriate factors from Table C.4. Height correction not required for Table C.2 MOR values.							
3) Longleaf, shortleaf, slash, and loblolly pines.							

**Table C.3 - Groundline strength and stiffness values for new, green poles, 50 feet (15.2m) and longer, used in structures other than unguyed single-pole structures<sup>1), 2)</sup>**

Species	Sample Size	MOR			MOE		
		Mean Psi	(MPa)	COV	Mean 10 <sup>6</sup> Psi	(GPa)	COV
Southern pine <sup>3)</sup>	120	9400	(64.8)	0.125	2.51	(17.3)	0.184
Douglas-fir:							
Coastal	165	7860	(54.2)	0.144	2.64	(18.2)	0.182
Western red cedar	100	5200	(35.9)	0.192	1.59	(11.0)	0.229
NOTES							
1) Data are based on class minimum circumferences at the tip and at 6 feet (1.8m) from the butt and linear taper between these points.							
2) Values must be adjusted using the appropriate factors from Table C.4 and C.5.							
3) Longleaf, shortleaf, slash, and loblolly pines.							

### 5.1.2.3 Kiln drying

Where kiln drying is employed on southern pine, ponderosa pine, red pine, jack pine, lodgepole pine, Douglas-fir, and western larch, the maximum dry bulb temperature shall be increased gradually and shall not exceed 170°F (77°C), with an exception noted below. Where kiln drying is employed on western red cedar, the maximum dry bulb temperature shall be increased gradually and shall not exceed 160°F (71°C). **Where kiln drying is employed on Chilean radiata pine, the maximum dry bulb temperature shall be increased gradually and shall not exceed 180° F (82° C).** In compartment kilns operating at temperatures up to 170°F (77°C), the maximum wet bulb depressions shall not exceed 50°F (10°C) with the exception that during the first 24 hours there is no limitation on wet bulb depression. In progressive-type kilns operating at temperatures up to 170°F (77°C), the maximum wet bulb depression shall not exceed 50°F (10°C) in the body of the kiln and 90°F (32°C) at the entrance to the kiln.

### Proposed NAAMM HMMA 862-03 Substantive Changes 6/26/03

#### 1.04 REFERENCES

AC ANSI A 250.10 Test Procedures and Acceptance Criteria for Prime Painting Steel Surfaces for Steel Doors and Frames

#### 1.05 TESTING AND PERFORMANCE

- D. Procedures
2. c. Apparatus – ii. If a load cell is used, it shall be certified by the testing laboratory within one (1) year prior to use.
  5. d. Procedure: Install and test door and frame and/or window assemblies in accordance with LPS 1175: Issue 5 (2000) Specification for Testing and Classifying the Burglary Resistance of Building Components, Strongpoints and Security Enclosures or SD-STD-01.01, Revision G (amended 4/30/1993), Certification Standard for Forced Entry and Ballistic Resistance of Structural Systems. Use Table 1 for pass/fail criteria. The selection of Test Personnel shall be in accordance with SD-STD-01.01 Revision G Section 2.5 (a).
  6. c. Apparatus - ii. If a load cell is used, it shall be certified by the testing laboratory within one (1) year prior to use.
- E. 3. If doors or frames specified by the Architect to be fire-rated cannot qualify for appropriate labeling because of design, hardware or other reasons, the Architect shall be so advised before fabricating work on that item is started in the submittal drawings

#### 2.01 COMMERCIAL SECURITY HOLLOW METAL DOORS

- B. 8. Hardware reinforcements and preparation:
- a. The hollow metal manufacturer shall be consulted for specific hardware sets needed at each level of security.
  - 9.e. The surface underneath the glazing stops and the inside of the glazing stops shall be treated for maximum paint adhesion and painted with a rust inhibitive primer prior to installation in the door.

#### 2.03 COMMERCIAL SECURITY HOLLOW METAL FRAMES

- B. 7. When shipping limitations so dictate, or when advised by the contractor responsible for co-ordination or installation, frames for large openings shall be fabricated in sections designated for assembly in the field by others.
9. Hardware reinforcements and preparation:
- a. The hollow metal manufacturer shall be consulted for specific hardware sets needed at each level of security.
  - b. Minimum thickness of hardware reinforcing shall be as follows:
    - ii. Surface applied maximum security hinges 0.250 in. (6.3 mm)

#### 2.06 FINISH

After fabrication, ..., all exposed surfaces of doors and frames shall receive a rust inhibitive primer which meets or exceeds ASTM B 117 Salt Spray for 150 hours with a rust grade of not less than 6 as defined in ASTM D 610, and ASTM D 1735 Water Fog Test for organic coatings for 200 hours with any quantity of #8 blisters but no more than "few" #6 blisters as illustrated in ASTM D 714 ANSI A 250.10 Test Procedures and Acceptance Criteria for Prime Painting Steel Surfaces for Steel Doors and Frames. For stainless steel finishes refer to ANSI/HMMA 866.

#### 3.02 INSTALLATION

- F. Primed or painted surfaces .... touched up with a rust inhibitive primer comparable to and compatible to with the shop applied primer and finish paint specified in Section 09900. All finish paint must be formulated for Direct To Metal (DTM) application.

## PROPOSED REQUIREMENTS FOR THE FOURTH EDITION OF THE STANDARD FOR OFFICE FURNISHINGS, UL 1286

For your convenience in review, proposed additions to the existing requirements are shown underlined.

### 1. SPILL TEST

#### PROPOSAL

34.1 With reference to the Exception to 12.4.4, immediately following the testing described in 34.2 and 34.3, the insulation and spacings of a raceway and a convenience receptacle assembly not oriented so that its face is in an upward vertical plane, shall comply with Dielectric Voltage-Withstand Test, Section 22.

### 2. MARKING EXCEPTIONS

#### PROPOSALS

38.3 An office furnishing unit shall be marked with the manufacturer's name, trade name, or trademark; the date or other dating period of manufacture not exceeding any three consecutive months; a distinctive catalog number or the equivalent; and the system Type. See 2.12.

*Exception No. 1: Using a traceable code for the manufacturer's identification when the product is identified by the brand or trademark owned by a private labeler complies with the intent of this requirement.*

*Exception No. 2: The date of manufacture is in compliance when abbreviated or in a nationally recognized conventional code or in a code affirmed by the manufacturer, only when the code:*

*a) Does not repeat in less than 20 years, and*

*b) Does not require reference to the production records of the manufacturer to determine when the product was manufactured.*

38.4 An accessory, component, or unit insert for an office furnishing unit shall be marked with the manufacturer's name, trade name, or trademark; the date or other dating period of manufacture not exceeding any three consecutive months; and a distinctive catalog number or the equivalent.

*Exception No. 1: Using a traceable code for the manufacturer's identification when the product is identified by the brand or trademark owned by a private labeler complies with the intent of this requirement.*

*Exception No. 2: The date of manufacture is in compliance when abbreviated or in a nationally recognized conventional code or in a code affirmed by the manufacturer, only when the code:*

*a) Does not repeat in less than 20 years, and*

*b) Does not require reference to the production records of the manufacturer to determine when the product was manufactured.*