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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

★ Standard for consumer products

## Comment Deadline: December 23, 2007

### UL (Underwriters Laboratories, Inc.)

#### **New Standards**

BSR/UL 1278-200x, Standard for Movable and Wall- or Ceiling-Hung Electric Room Heaters (new standard)

Provides additional supply cord requirements.

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

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

#### **Revisions**

BSR/UL 1042-200x, Standard for Electric Baseboard Heating Equipment (revision of ANSI/UL 1042-1995 (R2004))

Provides additional supply cord requirements.

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

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

## Comment Deadline: January 7, 2008

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

#### **Reaffirmations**

BSR/ASABE D241.4-FEB93 (R200x), Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (reaffirmation of ANSI/ASAE D241.4-FEB93 (RAPR2003))

Provides recommendations for density, specific gravity and moisture for grain storage.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE EP302.4-AUG93 (R200x), Design and Construction of Surface Drainage Systems on Agricultural Lands in Humid Areas (reaffirmation of ANSI/ASAE EP302.4-AUG93 (RAPR2003))

Improves the design, construction and maintenance of surface drainage systems that are adapted to modern farm mechanization. It is limited to agricultural or farm-size areas, 259 ha (640 ac) or less, in the humid region of the eastern USA.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE EP455-JUL91 (R200x), Environmental Considerations in Development of Mobile Agricultural Electrical/Electronic Components (reaffirmation of ANSI/ASAE EP455-JUL91 (RAPR2003))

Provides an environmental guideline to aid in the design of electrical/electronic components used on mobile agricultural equipment ("components" implies both discrete devices and assemblies). It also establishes methods for testing and evaluation of these components.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE EP484.2-AUG98 (R200x), Diaphragm Design of Metal-Clad, Wood-Frame Rectangular Buildings (reaffirmation of ANSI/ASAE EP484.2-AUG98 (RAPR2003))

Provides a consensus document for the analysis and design of metal-clad wood-frame buildings using roof and ceiling diaphragms, alone or in combination. The roof (and ceiling) diaphragms, endwalls, intermediate shearwalls, and building frames are the main structural elements of a structural system used to efficiently resist the design lateral (wind) loads. This Engineering Practice gives acceptable methods for analyzing and designing the elements of the diaphragm system. The provisions of this Engineering Practice are limited to the analysis of single-story buildings of rectangular shape.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE EP559-FEB97 (R200x), Design Requirements and Bending Properties for Mechanically Laminated Columns (reaffirmation of ANSI/ASAE EP559-FEB97 (RAPR2003))

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

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE S201.4-DEC82 (R200x), Application of Hydraulic Remote Control Cylinders to Agricultural Tractors and Trailing-Type Agricultural Implements (reaffirmation of ANSI/ASAE S201.4-DEC82 (RAPR2003))

Establishes common mounting and clearance dimensions for hydraulic remote control cylinders and trailing type agricultural implements with such other specifications in order to do the following:

- (1) to accomplish use of any trailing-type agricultural implement adapted for control by a hydraulic remote cylinder with any remote cylinder furnished as part of any agricultural tractor in a drawbar horsepower size suitable for operating that implement; and
- (2) to facilitate changing the hydraulic cylinder from one implement to another and to decrease the possibility of introducing dirt or other foreign material into the hydraulic system by reducing the necessity for supplemental hose lengths or piping with certain types of implements.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

BSR/ASABE S539-OCT95 (R200x), Media Filters for Irrigation - Testing and Performance Reporting (reaffirmation of ANSI/ASAE S539-OCT95 (RAPR2003))

Defines a standard procedure to collect irrigation media filter test data. Provides procedures to classify and characterize media filter test data from manufacturers and independent testing laboratories. This Standard establishes a consistent basis to validate and support manufacturer's statements on the performance, reliability, safety, and long-term effectiveness of individual irrigation media filtration systems.

Single copy price: \$45.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: Carla VanGilder, ASABE; [vangilder@asabe.org](mailto:vangilder@asabe.org)

Send comments (with copy to BSR) to: Same

BSR/ASABE S553-MAR01 (R200x), Collapsible Emitting Hose (Drip Tape) - Specifications and Performance Testing (reaffirmation of ANSI/ASAE S553-MAR01)

Specifies testing methods, performance requirements, and data to be supplied by the manufacturer for collapsible emitting hose products with discrete emission points along their lengths, commonly referred to as "drip tape," and in this standard referred to as "collapsible emitting hose".

Single copy price: \$45.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: Carla VanGilder, ASABE; [vangilder@asabe.org](mailto:vangilder@asabe.org)

Send comments (with copy to BSR) to: Same

## ASME (American Society of Mechanical Engineers)

### Addenda

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

Covers the design, construction, operation, inspection, testing, maintenance, alteration, and repair of the following equipment and its associated parts, rooms, spaces, and hoistways, where located in or adjacent to a building or structure:

- (a) hoisting and lowering mechanisms, equipped with a car, that move between two or more landings. This equipment includes, but is not limited to elevators;
- (b) power-driven stairways and walkways for carrying persons between landings. This equipment includes, but is not limited to escalators and moving walks; and
- (c) hoisting and lowering mechanisms equipped with a car that serves two or more landings and is restricted to the carrying of material by its limited size or limited access to the car. This equipment includes, but is not limited to dumbwaiters and material lifts.

Single copy price: \$50.00

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

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

Send comments (with copy to BSR) to: Geraldine Burdeshaw, ASME; [burdeshaw@asme.org](mailto:burdeshaw@asme.org)

## AWS (American Welding Society)

### New Standards

BSR/AWS D10.18M/D10.18-200x, Guide for Welding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing (new standard)

Presents a detailed discussion of the metallurgical and welding characteristics and weldability of duplex stainless steel used in piping and tubing. A number of tables and graphs are presented in order to illustrate the text.

Single copy price: \$25.00

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

Order from: Rosalinda O'Neill, AWS; [roneill@aws.org](mailto:roneill@aws.org)

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

## EIA (ASC Z245) (Environmental Industry Associations)

### Revisions

BSR Z245.1-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Mobile Wastes and Recyclable Materials Collection, Transportation, and Compaction Equipment - Safety Requirements (revision of ANSI Z245.1-1999)

Provides requirements for construction, reconstruction, modification, care, maintenance, operation, and use of mobile waste or recyclable materials collection, transportation and compaction equipment to promote safety and safe operations as they relate to the equipment. The standard identifies requirements for the following refuse collecting and compacting equipment mounted on refuse truck chassis:

- rear-loading, front-loading, and side loading compacting equipment;
- tilt frame and hoist-type equipment;
- grapple loaders;
- satellite vehicles;
- waste transfer vehicles;
- recycling collection vehicles; and
- mechanized container collecting and lifting equipment.

Single copy price: \$54.00

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

Order from: Craig Wallwork, EIA (ASC Z245); [cwallwork@wastec.org](mailto:cwallwork@wastec.org)

Send comments (with copy to BSR) to: Same

BSR Z245.30-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Containers - Safety Requirements (revision of ANSI Z245.30-1999)

Establishes safety requirements with respect to the manufacture, reconstruction, use, modification, maintenance, service, operation, and installation (where applicable) of containers, two-wheeled carts, and two-wheeled cart lifters use for the collection, transportation and recycling of solid wastes.

Single copy price: \$45.00

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

Order from: Craig Wallwork, EIA (ASC Z245); [cwallwork@wastec.org](mailto:cwallwork@wastec.org)

Send comments (with copy to BSR) to: Same

BSR Z245.60-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Containers - Compatibility Dimensions (revision of ANSI Z245.60-1999)

Establishes dimensional requirements for all waste containers commonly used in the collection, compaction and transportation of solid waste and recyclables in residential, commercial and industrial applications. Specified labeling will assist the users of such equipment in identifying that a container so marked is compatible with a lifting device designed to accommodate containers of the same type. The revision includes dimensions for Type L (hook-lift) and Type S (front loader) containers.

Single copy price: \$45.00

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

Order from: Craig Wallwork, EIA (ASC Z245); [cwallwork@wastec.org](mailto:cwallwork@wastec.org)

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## EIA (Electronic Industries Alliance)

### Revisions

BSR/EIA 364-E-200x, Electrical Connector/Socket Test Procedures Including Environmental Classifications (revision of ANSI/EIA 364-D-2001)

Establishes a recommended minimum test sequence and test procedures for electrical connectors and sockets.

Single copy price: Free

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Cecelia Yates, EIA; [cyates@ecaus.org](mailto:cyates@ecaus.org)

## ISA (ISA)

### New National Adoptions

BSR/ISA 60079-7 (12.16.01)-200x, Electrical Apparatus for use in Class I, Zone 1 Hazardous (Classified) Locations - Protection by increased safety "e" (national adoption with modifications and revision of ANSI/ISA 60079-7 (12.16.01)-2002)

Specifies the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety "e" intended for use in Class I, Zone 1 hazardous (classified) locations. This standard applies to electrical apparatus where the rated voltage does not exceed 11 kV rms ac or dc. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

Single copy price: \$99.00

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

Order from: Eliana Beattie, ISA; [ebeattie@isa.org](mailto:ebeattie@isa.org)

Send comments (with copy to BSR) to: Same

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

### New Standards

BSR INCITS 423.4-200x, Information technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 4: Conformance Testing Methodology for INCITS 381, Finger Image Data Interchange Format (new standard)

This part of ANSI INCITS 423 is concerned with conformance testing of implementations claiming conformance to the Finger Image-Based Data Interchange Format specification as per ANSI INCITS 381-2004. Further, this part of ANSI INCITS 423 is concerned with testing only of the Biometric Data Interchange Records (BDIR) requirements as defined in ANSI INCITS 381-2004. For the purposes of this part of ANSI INCITS 423, and as also described in Part 1: Generalized Conformance Testing Methodology of ANSI INCITS 423, conformance testing of the CBEFF requirements as set forth in ANSI INCITS 381-2004 is not within the scope of this part of ANSI INCITS 423.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); [bbennett@itic.org](mailto:bbennett@itic.org)

## New National Adoptions

BSR INCITS/ISO/IEC 24707-200x, Information technology - Common Logic (CL): A framework for a family of logic-based languages (identical national adoption of ISO/IEC 24707:2007)

Specifies a family of logic languages designed for use in the representation and interchange of information and data among disparate computer systems. The following features are essential to the design of this International Standard:

- Languages in the family have declarative semantics. It is possible to understand the meaning of expressions in these languages without appeal to an interpreter for manipulating those expressions; and
- Languages in the family are logically comprehensive - at its most general, they provide for the expression of arbitrary first-order logical sentences, etc.

Single copy price: \$150.00

Obtain an electronic copy from: ANSI, <http://webstore.ansi.org>

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); [bbennett@itic.org](mailto:bbennett@itic.org)

## NSF (NSF International)

### Revisions

BSR/NSF 2-200x (i4), Food Equipment (revision of ANSI/NSF 2-2002 (i3r2.0))

Issue 4 - The purpose of this ballot is to update section 5.35, Food

Single copy price: \$35.00

Obtain an electronic copy from:

[www.techstreet.com/cgi-bin/browsePublisher?publisher\\_id=133&subgroup\\_id=10020](http://www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020)

Order from: Lorna Badman, NSF; [badman@nsf.org](mailto:badman@nsf.org)

Send comments (with copy to BSR) to: Same

## SIA (Security Industry Association)

### New Standards

BSR/SIA OSIPS-01-200x, Open, Systems Integration and Performance Standards - Framework (new standard)

Defines how security components may interoperate with other security components. It is used to communicate over any transport mechanism. The transmission of messages across various transport mechanisms permit common messaging with co-operating devices to interoperate.

Single copy price: N/A

Obtain an electronic copy from:

[http://www.siaonline.org/standards/sc\\_pan.cfm](http://www.siaonline.org/standards/sc_pan.cfm)

Order from: Monica Vago, SIA; [mvago@siaonline.org](mailto:mvago@siaonline.org)

Send comments (with copy to BSR) to: Same

## TIA (Telecommunications Industry Association)

### New Standards

BSR/TIA 41.371-E-200x, Mobile Application Part (MAP) - Broadcast Teleservice Transport Capability (new standard)

Describes the transfer of a message to several MSCs, and its successful delivery to MS-based SMEs via their respective Serving MSCs. Since periodicity is controlled and supported by the Serving MSCs, they shall need to store the broadcast teleservice payload and other associated attributes for the duration of the broadcast.

Single copy price: \$61.00

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Peter Bogard, TIA; [pbogard@tiaonline.org](mailto:pbogard@tiaonline.org)

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

BSR/UL 588-200x, Standard for Seasonal and Holiday Decorative Products (Proposal dated 11-23-07) (revision of ANSI/UL 588-2006)

Proposes:

- (1) Adding requirements for CXTW wire with decorative covering and cord connectors with a nonstandard configuration;
- (2) Adding an exception for plated steel leads in an LED series lamp;
- (3) Allowing different rated bulbs in the same string;
- (4) Revising requirements for cord tag markings;
- (5) Correcting the marking in 123.6; and
- (6) Miscellaneous revisions to correct editorial errors and clarify requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Megan Cahill; UL-IL, [Megan.M.Cahill@us.ul.com](mailto:Megan.M.Cahill@us.ul.com)

**Comment Deadline: January 22, 2008**

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

**AAMI (Association for the Advancement of Medical Instrumentation)****Reaffirmations**

BSR/AAMI RD5-2003 (R200x), Hemodialysis systems (reaffirmation of ANSI/AAMI RD5-2003)

Covers apparatus for preparing dialysate, monitors of the dialysate, and accessories for monitoring the extracorporeal blood circuit. The requirements established by this standard will, at a minimum, help ensure the effective, safe performance of hemodialysis systems, devices, and related materials.

Single copy price: \$50.00 (AAMI members)/\$95.00 (list)

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

Order from: AAMI Publications; (PHONE) 1-877-249-8226; (FAX) 1-301-206-9789

Send comments (with copy to BSR) to: Cliff Bernier, AAMI; [CBernier@aami.org](mailto:CBernier@aami.org)

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

BSR/ASME B40.200-200x, Thermometers, Direct Reading and Remote Reading (revision of ANSI/ASME B40.3-2000)

Provides terminology and definitions, dimensions, safety, construction and installation issues, test procedures and general recommendations for bimetallic actuated thermometers, filled system thermometers, liquid-in-glass thermometers, and thermowells for thermometers and elastic temperature sensors.

Single copy price: \$20.00

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

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

Send comments (with copy to BSR) to: Jack Karian, ASME; [karianj@asme.org](mailto:karianj@asme.org)

BSR/ASME Y14.5-200x, Dimensioning and Tolerancing (revision and redesignation of ANSI/ASME Y14.5M-1994 (R2004))

Establishes uniform practices for stating and interpreting dimensioning, tolerancing, and related requirements for use on engineering drawings and in related documents. For a mathematical explanation of many of the principles in this Standard, see ASME Y14.5.1M. Practices unique to architectural and civil engineering and welding symbology are not included.

Single copy price: \$85.00

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

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

Send comments (with copy to BSR) to: Calvin Gomez, ASME; [gomezc@asme.org](mailto:gomezc@asme.org)

**ASSE (ASC A10) (American Society of Safety Engineers)****New Standards**

BSR/ASSE A10.19-200x, Safety Requirements for Pile Installation and Extraction Operations (new standard)

Establishes safety requirements for the installation and extraction of piles during construction and demolition operations.

Single copy price: \$42.00

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Order from: Timothy Fisher, ASSE (Z590); [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Send comments (with copy to BSR) to: Same

**EIA (Electronic Industries Alliance)****Revisions**

BSR/EIA 364-10E-200x, Fluid Immersion Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA/ECA 364-10D-2006)

Establishes test methods to determine the ability of an electrical connector or connector assembly to resist degradation due to exposure to specific fluids with which the connector assembly may come into contact during its service life.

Single copy price: Free

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Cecelia Yates, EIA; [cyates@ecaus.org](mailto:cyates@ecaus.org)

BSR/EIA 481-D-200x, 8 mm Through 200 mm Embossed Carrier Taping and 8 mm and 12 mm Punched Carrier Taping of Surface Mount Components or Automatic Handling (revision of ANSI/EIA 481-C-2003)

Covers requirements for taping surface mount components.

Single copy price: Free

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Cecelia Yates, EIA; [cyates@ecaus.org](mailto:cyates@ecaus.org)

**Correction****Correction of Error in Attachment**

The attachment to the Public Review Announcement for BSR Z136.7-200x, which appeared on page 22 of the November 16, 2007 issue of Standards Action, contained a typographical error. The corrected attachment appears in this issue on [page 22](#).

# 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:

### **AAMI**

Association for the Advancement  
of Medical Instrumentation  
(AAMI)  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890 x229  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### **ASABE**

American Society of Agricultural  
and Biological Engineers  
2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 429-0300  
Web: [www.asabe.org](http://www.asabe.org)

### **ASME**

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

### **ASSE (Z590)**

American Society of Safety  
Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.org)

### **AWS**

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (800) 443-9353 x451  
Fax: (800) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515

### **EIA (ASC Z245)**

ASC Z245  
4301 Connecticut Ave, NW,  
Suite 300  
Washington, DC 20008-2304  
Phone: (202) 364-3750  
Fax: (202) 966-4824  
Web: [www.envasns.org](http://www.envasns.org)

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### **ISA**

ISA-The Instrumentation, Systems,  
and Automation Society  
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27709  
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### **NSF**

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Phone: (734) 827-6806  
Fax: (734) 827-6831  
Web: [www.nsf.org](http://www.nsf.org)

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Security Industry Association  
635 Slaters Lane, Suite 110  
Alexandria, VA 22307  
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Fax: 703-683-2469  
Web: [www.siaonline.org](http://www.siaonline.org)

## Send comments to:

### **AAMI**

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of Medical Instrumentation  
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Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### **ASABE**

American Society of Agricultural  
and Biological Engineers  
2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 429-0300  
Web: [www.asabe.org](http://www.asabe.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)

### **ASSE (Z590)**

American Society of Safety  
Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.org)

### **AWS**

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (305) 443 9353 Ext. 466  
(800) 443 9353 Ext. 466  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **EIA**

Electronic Industries Alliance  
2500 Wilson Blvd., Suite 300  
Arlington, VA 22201-3834  
Phone: (703) 907-8026  
Fax: (703) 907-7549  
Web: [www.eia.org](http://www.eia.org)

### **EIA (ASC Z245)**

ASC Z245  
4301 Connecticut Ave, NW,  
Suite 300  
Washington, DC 20008-2304  
Phone: (202) 364-3750  
Fax: (202) 966-4824  
Web: [www.envasns.org](http://www.envasns.org)

### **ISA**

ISA-The Instrumentation, Systems,  
and Automation Society  
67 Alexander Drive  
Research Triangle Park, NC  
27709  
Phone: (919) 990-9228  
Fax: (919) 549-8288

### **ITI (INCITS)**

INCITS Secretariat/ITI  
1250 Eye Street, NW  
Suite 200  
Washington, DC 20005-3922  
Phone: (202) 626-5743  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **NSF**

NSF International  
P.O. Box 130140  
789 N. Dixboro Road  
Ann Arbor, MI 48113-0140  
Phone: (734) 827-6806  
Fax: (734) 827-6831  
Web: [www.nsf.org](http://www.nsf.org)

### **SIA**

Security Industry Association  
635 Slaters Lane, Suite 110  
Alexandria, VA 22307  
Phone: 703-683-0393  
Fax: 703-683-2469  
Web: [www.siaonline.org](http://www.siaonline.org)

### **TIA**

TIA  
2500 Wilson Boulevard, Suite 300  
Arlington, VA 22201  
Phone: 703-907-7961  
Fax: 703-907-7728  
Web: [www.tiaonline.org](http://www.tiaonline.org)

### **UL-IL**

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

# 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.

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

### Revisions

ANSI/ASA S12.9-Part 5-2007, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Use (revision of ANSI S12.9-Part 5-1998 (R2003)): 11/14/2007

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmations

ANSI T1.209-1989 (R2007), Operations, Administration, Maintenance and Provisioning (OAM&P) - Network Tones and Announcements (reaffirmation of ANSI T1.209-1989): 11/19/2007

ANSI T1.216-1998 (R2007), Integrated Services Digital Network (ISDN) Management - Basic Rate Physical Layer (reaffirmation of ANSI T1.216-1998 (R2003)): 11/19/2007

ANSI T1.217-1991 (R2007), Integrated Services Digital Network (ISDN) Management - Primary Rate Physical Layer (reaffirmation of ANSI T1.217-1991 (R2003)): 11/19/2007

ANSI T1.219-1991 (R2007), Integrated Services Digital Network (ISDN) Management - Overview and Principles (reaffirmation of ANSI T1.219-1991 (R2003)): 11/19/2007

ANSI T1.231-2003 (R2007), Digital Hierarchy - Layer 1 In-Service Transmission Performance Monitoring (reaffirmation of ANSI T1.231-2003): 11/16/2007

ANSI T1.240-1998 (R2007), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Generic Network Information Model for Interfaces between Operations Systems and Network Elements (reaffirmation of ANSI T1.240-1998 (R2003)): 11/19/2007

ANSI T1.247-1998 (R2007), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Performance Management Functional Area Services and Information Model for Interfaces between Operations Systems and Network Elements (reaffirmation of ANSI T1.247-1998 (R2003)): 11/19/2007

## CEA (Consumer Electronics Association)

### New Standards

ANSI/CEA 2017.1-2007, Serial Communication Protocol for Portable Electronic Devices (new standard): 11/19/2007

## DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

### Revisions

ANSI/DMIS 105.1 2007, Part 1-2007, Dimensional Measuring Interface Standard (revision and redesignation of ANSI/CAM-I 105.0, Part 1): 11/16/2007

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

### Reaffirmations

ANSI/ESD STM11.12-2000 (R2007), Test Method for Protection of Electrostatic Discharge Susceptible Items - Volume Resistance Measurements of Static Dissipative Planar Materials (reaffirmation of ANSI/ESD STM11.12-2000): 11/19/2007

## ISA (ISA)

### New Standards

ANSI/ISA 92.04.01 Part 1-2007, Performance Requirements for Instruments Used to Detect Oxygen-Deficient/Oxygen-Enriched Atmospheres (new standard): 11/19/2007

### Reaffirmations

ANSI/ISA 92.02.01, Part 1-1998 (R2007), Performance Requirements for Carbon Monoxide Detection Instruments (50 - 1000 ppm Full Scale) (reaffirmation of ANSI/ISA S92.02.01, Part 1-1998): 11/19/2007

## MHI (Material Handling Industry)

### Revisions

ANSI MH26.2-2007, Design, Testing and Utilization of Welded-Wire Rack Decking (revision of ANSI MH26.2-2004): 11/14/2007

## NFPA2 (National Fluid Power Association)

### New Standards

ANSI/(NFPA) T2.24.2-2007, Hydraulic fluid power systems - Methods for preventing external leakage (new standard): 11/14/2007

## RVIA (Recreational Vehicle Industry Association)

### Revisions

ANSI/RVIA 12V-2007, Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA 12V-2004): 11/16/2007

## UL (Underwriters Laboratories, Inc.)

### New Standards

ANSI/UL 1730-2007, Standard for Safety for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (new standard): 11/16/2007

### Revisions

ANSI/UL 796-2007, Standard for Safety for Printed-Wiring Boards (Proposal dated September 28, 2007) (revision of ANSI/UL 796-2007): 11/15/2007



# Project Initiation Notification System (PINS)

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

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

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

## ABYC (American Boat and Yacht Council)

**Office:** 613 Third Street  
Annapolis, MD 21403

**Contact:** John Adey

**Fax:** (410) 956-2737

**E-mail:** [jadey@abycinc.org](mailto:jadey@abycinc.org); [hkoepper@abycinc.org](mailto:hkoepper@abycinc.org)

BSR/ABYC H-32-200x, Ventilation of Boats Using Diesel Fuel (new standard)

Stakeholders: Boat manufacturers, insurance personnel, surveyors, trade organizations, and consumers.

Project Need: To identify safety issues with ventilation systems for boats using diesel fuel.

Provides a guide for the design, construction, and installation of ventilation systems for boats using diesel fuel only for electrical generation, mechanical power, and propulsion.

## 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](mailto:stanfords@ada.org)

BSR/ADA Specification No. 74-200x, Dental Operator's Stool (national adoption with modifications and revision of ANSI/ADA 74-2002)

Stakeholders: Dental operator stool manufacturers; dentists, dental hygienists, dental assistants; dental ergonomic experts.

Project Need: The ISO Standard was revised and is recommended for adoption.

Specifies requirements, recommendations and methods of test for dental operator's stools as well as requirements for manufacturer's instructions, marking and packaging. It covers also recommendations to manufacturer's on the design of tools.

## AISI (American Iron and Steel Institute)

**Office:** 1140 Connecticut Avenue, NW  
Suite 705  
Washington, DC 20036

**Contact:** Jay Larson

**E-mail:** [jlanson@steel.org](mailto:jlanson@steel.org)

BSR/AISI S202-200x, Code of Standard Practice for Cold-Formed Steel Structural Framing (new standard)

Stakeholders: Cold-formed steel framing industry.

Project Need: Accepted norms of good practice for design, fabrication and installation of cold-formed steel structural framing products need to be defined and recognized.

In the absence of specific instructions to the contrary in the contract documents, the trade practices defined in this Code of Standard Practice would govern the design, fabrication and installation of cold-formed steel structural framing.

## EIA (ASC Z245) (Environmental Industry Associations)

**Office:** 4301 Connecticut Ave, NW, Suite 300  
Washington, DC 20008-2304

**Contact:** Gary Satterfield

**Fax:** (202) 966-4824

**E-mail:** [garys@wastec.org](mailto:garys@wastec.org)

BSR Z245.2-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Stationary Compactors - Safety Requirements for Installation, Maintenance and Operation (new standard)

Stakeholders: Environmental sector, safety professionals, solid waste equipment manufacturers.

Project Need: To provide replacement and revision of requirements previously contained in ANSI Z245.2-1997 (withdrawn).

Provides safety requirements with respect to the installation, operation, maintenance, service, repair, modification, and reconstruction (where applicable) of stationary compacting equipment previously covered by ANSI Z245.2-1997, Stationary Compactors – Safety Requirements (withdrawn). Applies to stationary compactors rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's installation, operation, and maintenance instructions and procedures.

BSR Z245.5-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements for Installation, Maintenance and Operation (new standard)

Stakeholders: Environmental sector, safety professionals, solid waste equipment manufacturers.

Project Need: To provide replacement and revision of requirements previously contained in ANSI Z245.5-1997 (withdrawn).

Provides safety requirements with respect to the installation, operation, maintenance, service, repair, modification, and reconstruction (where applicable) of baling equipment previously covered by ANSI Z245.5-1997, Stationary Compactors - Safety Requirements (withdrawn). Applies to baling equipment rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's installation, operation, and maintenance instructions and procedures.

BSR Z245.21-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Stationary Compactors - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, solid waste equipment manufacturers.

Project Need: To provide replacement and revision of requirements previously contained in ANSI Z245.2-1997 (withdrawn).

Provides safety requirements with respect to the design and construction of stationary compacting equipment previously covered by ANSI Z245.2-1997, Stationary Compactors – Safety Requirements (withdrawn). Provides requirements to minimize the risk of fire, electrical shock and injury to persons during operation and maintenance of stationary compacting equipment for use with wastes and recyclable materials by commercial businesses, apartment buildings, industrial plants, waste processing facilities, waste disposal and transfer industries, and recycling facilities. Requirements apply to stationary compactors rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's installation, operation, and maintenance instructions and procedures.

BSR Z245.41-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, equipment manufacturers.

Project Need: To establish basic criteria for safe, efficient operation of facilities for the processing of commingled recyclable materials.

Establishes safety requirements for the design, manufacture, construction, modification, maintenance and operation of facilities used in the processing of commingled wastes and recyclable materials. It does not cover other types of facilities such as, waste-to-energy plants, scrap processing facilities, transfer stations, or mixed waste processing facilities, unless there is a commingled processing operation as part of these facilities.

BSR Z245.42-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Transfer Station - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, equipment manufacturers.

Project Need: To establish basic criteria for safe, efficient operation of transfer stations.

Establishes safety requirements for the design, manufacture, construction, modification, maintenance and operation of waste transfer stations used in the collection, storage, and the eventual transportation of commingled wastes and recyclable materials.

BSR Z245.51-200x, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, solid waste equipment manufacturers.

Project Need: To provide replacement and revision of requirements previously contained in ANSI Z245.5-1997 (withdrawn).

Provides safety requirements with respect to the design and construction of baling equipment previously covered by ANSI Z245.5-1997, Stationary Compactors – Safety Requirements (withdrawn). Provides requirements to minimize the risk of fire, electrical shock and injury to persons during operation and maintenance of baling equipment for use with wastes and recyclable materials by commercial businesses, apartment buildings, industrial plants, waste processing facilities, waste disposal and transfer industries, and recycling facilities. Requirements apply to stationary compactors rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's installation, operation, and maintenance instructions and procedures.

#### **NFPA (National Fire Protection Association)**

**Office:** One Batterymarch Park  
Quincy, MA 02269-9101

**Contact:** Milosh Puchovsky

**Fax:** (617) 770-3500

**E-mail:** mpuchovsky@nfpa.org; lfuller@nfpa.org

BSR/NFPA 1801-200x, Standard on Thermal Imagers for the Fire Service (new standard)

Stakeholders: Manufacturers, users, installer/maintainers, labor, enforcing authority, insurance.

Project Need: To serve the public interest and need.

Specifies the design, performance, testing, and certification requirements for thermal imagers used by fire service personnel during emergency incident operations. Also specifies requirements for new thermal imagers used by fire service personnel.

BSR/NFPA 1952-200x, Standard on Surface Water Operations Protective Clothing and Equipment (new standard)

Stakeholders: Manufacturers, users, installer/maintainers, labor, enforcing authority, insurance.

Project Need: To serve the public interest and need.

Specifies the minimum design, performance, testing, and certification requirements for protective clothing and equipment items, including full body suits, helmets, gloves, footwear, and personal flotation devices designed to provide limited protection from physical, environmental, thermal, and certain chemical and biological hazards for emergency services personnel during surface water operations. Also specifies requirements for protective clothing and protective equipment used during operations in surface water, swift water, tidal water, surf, and ice.

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

**Office:** 12 Laboratory Drive  
Research Triangle Park, NC 27709-3995

**Contact:** Betty McKay

**Fax:** (919) 547-6180

**E-mail:** Betty.C.McKay@us.ul.com

BSR/UL 2127-200x, Standard for Safety for Inert Gas Clean Agent Extinguishing System Units (new standard)

Stakeholders: Manufacturers and users of inert gas clean agents and agent extinguishing system units.

Project Need: To attain a national standard covering the construction and operation of inert-gas clean-agent fire-extinguishing system units.

Covers the construction and operation of inert gas clean-agent fire-extinguishing system units intended to be installed, inspected, tested, and maintained in accordance with the Standard for Clean Agent Fire Extinguishing Systems, NFPA 2001.

BSR/UL 2166-200x, Standard for Safety for Halocarbon Clean Agent Extinguishing System Units (new standard)

Stakeholders: Manufacturers and users of halocarbon clean agents and agent extinguishing system units.

Project Need: To attain a national standard covering the construction and operation of halocarbon clean-agent extinguishing system units.

Covers the construction and operation of halocarbon clean-agent fire-extinguishing system units intended to be installed, inspected, tested, and maintained in accordance with the Standard on Clean Agent Fire Extinguishing Systems, NFPA 2001.

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

**Office:** 455 E Trimble Road  
San Jose, CA 95131-1230

**Contact:** Marcia Kawate

**Fax:** (408) 689-6500

**E-mail:** Marcia.M.Kawate@us.ul.com

BSR/UL 2061-200x, Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies (new standard)

Stakeholders: LP-Gas industry.

Project Need: To obtain national recognition of a standard covering quick-connect type and other hand-operated adapters and couplings for LP-gas equipment.

Covers quick-connect type and other hand-operated adapters and couplings intended to connect the cylinder valve on portable LP-Gas container assemblies to the inlet of the regulator on gas-consuming equipment. These couplings are intended for vapor withdrawal service only.

## American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI
- AAMVA
- AGA
- AGRSS, Inc.
- ASHRAE
- ASME
- ASTM
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NSF International
- TIA
- Underwriters Laboratories, Inc. (UL)

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

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



# ISO Draft International Standards

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

## Comments

Comments regarding ISO documents should be sent to Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

ISO Drafts can be made available via ANSI's ESS "on-demand" service. Please e-mail your request for an Iso Draft to Customer Service at [sales@ansi.org](mailto:sales@ansi.org). The document will be posted to the ESS within 3 working days of the request. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

## **ACOUSTICS (TC 43)**

ISO/DIS 17201-3, Acoustics - Noise from shooting ranges - Part 3: Guidelines for sound propagation calculations - 2/16/2008, \$125.00

## **APPLICATIONS OF STATISTICAL METHODS (TC 69)**

ISO/DIS 22514-1, Statistical methods in process management - Capability and performance - Part 1: General principles and concepts - 2/17/2008, \$82.00

## **ENVIRONMENTAL MANAGEMENT (TC 207)**

ISO/DGuide 64, Guide for addressing environmental issues in product standards - 1/16/2008, \$64.00

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

ISO/DIS 6183, Fire protection equipment - Carbon dioxide extinguishing systems for use on premises - Design and installation - 2/17/2008, \$125.00

## **HEALTH INFORMATICS (TC 215)**

ISO/DIS 13606-3, Health Informatics: Electronic health record communication - Part 3: Reference archetypes and term lists - 2/16/2008, \$112.00

## **PAINTS AND VARNISHES (TC 35)**

ISO/DIS 20340, Paints and varnishes - Performance requirements for protective paint systems for offshore and related structures - 2/17/2008, \$82.00

## **PLASTICS (TC 61)**

ISO/DIS 18352, Carbon-fibre-reinforced plastics - Determination of compression-after-impact properties at a specified impact-energy level - 2/17/2008, \$82.00

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

ISO/DIS 7591, Road vehicles - Retro-reflective registration plates for motor vehicles and trailers - Specifications - 2/17/2008, \$58.00



# Newly Published ISO and IEC Standards

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

## ISO Standards

### COSMETICS (TC 217)

[ISO 22716:2007](#), Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Manufacturing Practices, \$87.00

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

[ISO 10135:2007](#), Geometrical product specifications (GPS) - Drawing indications for moulded parts in technical product documentation (TPD), \$131.00

### GRAPHICAL SYMBOLS (TC 145)

[ISO 7010/Amd3:2007](#), Graphical symbols - Safety colours and safety signs - Safety signs used in workplaces and public areas - Amendment 3, \$14.00

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

[ISO 13704:2007](#), Petroleum, petrochemical and natural gas industries - Calculation of heater-tube thickness in petroleum refineries, \$170.00

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

[ISO 12127-1:2007](#), Clothing for protection against heat and flame - Determination of contact heat transmission through protective clothing or constituent materials - Part 1: Test method using contact heat produced by heating cylinder, \$41.00

[ISO 12127-2:2007](#), Clothing for protection against heat and flame - Determination of contact heat transmission through protective clothing or constituent materials - Part 2: Test method using contact heat produced by dropping small cylinders, \$61.00

### PLASTICS (TC 61)

[ISO 2818/Cor1:2007](#), Plastics - Preparation of test specimens by machining - Corrigendum, FREE

[ISO 15985/Cor1:2007](#), Plastics - Determination of the ultimate anaerobic biodegradation and disintegration under high-solids anaerobic-digestion conditions - Method by analysis of released biogas - Corrigendum, FREE

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

[IEC 62366:2007](#), Medical devices - Application of usability engineering to medical devices, \$201.00

### SOCIETAL SECURITY (TC 223)

[ISO/PAS 22399:2007](#), Societal security - Guideline for incident preparedness and operational continuity management, \$102.00

### SOIL QUALITY (TC 190)

[ISO 23611-4:2007](#), Soil quality - Sampling of soil invertebrates - Part 4: Sampling, extraction and identification of soil-inhabiting nematodes, \$82.00

### TEXTILES (TC 38)

[ISO 18695:2007](#), Textiles - Determination of resistance to water penetration - Impact penetration test, \$41.00

### WATER QUALITY (TC 147)

[ISO 9696:2007](#), Water quality - Measurement of gross alpha activity in non-saline water - Thick source method, \$61.00

[ISO 10703:2007](#), Water quality - Determination of the activity concentration of radionuclides - Method by high resolution gamma-ray spectrometry, \$82.00

### WELDING AND ALLIED PROCESSES (TC 44)

[ISO 21952:2007](#), Welding consumables - Wire electrodes, wires, rods and deposits for gas-shielded arc welding of creep-resisting steels - Classification, \$66.00

[ISO 24598:2007](#), Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of creep-resisting steels - Classification, \$77.00

## ISO Technical Reports

### HEALTH INFORMATICS (TC 215)

[ISO/TR 22790:2007](#), Health informatics - Functional characteristics of prescriber support systems, \$82.00

## ISO Technical Specifications

### SOIL QUALITY (TC 190)

[ISO/TS 21268-4:2007](#), Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials - Part 4: Influence of pH on leaching with initial acid/base addition, \$87.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 9594-8/Cor4:2007](#), Information technology - Open Systems Interconnection - The Directory - Part 8: Authentication framework - Corrigendum, FREE

[ISO/IEC 9594-8/Cor1:2007](#), Information technology - Open Systems Interconnection - The Directory - Part 8: Authentication framework - Corrigendum, FREE

[ISO/IEC 9899/Cor3:2007](#), Programming languages - C - Corrigendum, FREE

[ISO/IEC 13211-1/Cor1:2007](#), Information technology - Programming languages - Prolog - Part 1: General core - Corrigendum, FREE

[ISO/IEC 18026/Cor1:2007](#), Information technology - Spatial Reference Model (SRM) - Corrigendum, FREE

[ISO/IEC 23001-1/Amd1:2007](#), Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Amendment 1: Conformance and reference software, \$48.00

## ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 19768:2007](#), Information technology - Programming languages - Technical Report on C++ Library Extensions, \$201.00

[ISO/IEC TR 29106:2007](#), Information technology - Generic cabling - Introduction to the MICE environmental classification, \$61.00

## IEC Standards

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

[IEC 61937-3 Ed. 2.0 en:2007](#), Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats, \$49.00

[IEC 61966-2-5 Ed. 1.0 en:2007](#), Multimedia systems and equipment - Colour measurement and management - Part 2-5: Colour management - Optional RGB colour space - opRGB, \$82.00

[IEC 62295 Ed. 1.0 en:2007](#), Multimedia systems - Common communication protocol for inter-connectivity on heterogeneous networks, \$184.00

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

[IEC/TR 60649 Ed. 2.0 en:2007](#), Calculation of maximum external diameter of cables for indoor installations, \$30.00

[IEC/TR 62153-4-0 Ed. 1.0 b:2007](#), Metallic communication cable test methods - Part 4-0: Electromagnetic compatibility (EMC) - Relationship between surface transfer impedance and screening attenuation, recommended limits, \$54.00

### DESIGN AUTOMATION (TC 93)

[IEC 62525 Ed. 1.0 en:2007](#), Standard Test Interface Language (STIL) for Digital Test Vector Data, \$229.00

[IEC 62526 Ed. 1.0 en:2007](#), Standard for Extensions to Standard Test Interface Language (STIL) for Semiconductor Design Environments, \$225.00

[IEC 62527 Ed. 1.0 en:2007](#), Standard for Extensions to Standard Test Interface Language (STIL) for DC Level Specification, \$120.00

[IEC 62528 Ed. 1.0 en:2007](#), Standard Testability Method for Embedded Core-based Integrated Circuits, \$225.00

[IEC 62529 Ed. 1.0 en:2007](#), Standard for Signal and Test Definition, \$266.00

[IEC 62530 Ed. 1.0 en:2007](#), Standard for SystemVerilog - Unified Hardware Design, Specification, and Verification Language, \$283.00

[IEC 62531 Ed. 1.0 en:2007](#), Standard for Property Specification Language (PSL), \$229.00

### ELECTRIC WELDING (TC 26)

[IEC 60974-2 Ed. 2.0 b:2007](#), Arc welding equipment - Part 2: Liquid cooling systems, \$67.00

[IEC 60974-5 Ed. 2.0 b:2007](#), Arc welding equipment - Part 5: Wire feeders, \$76.00

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

[IEC 60601-2-33 Amd.2 Ed. 2.0 b:2007](#), Amendment 2 - Medical electrical equipment - Part 2-33: Particular requirements for the safety of magnetic resonance equipment for medical diagnosis, \$76.00

[IEC 61217 Amd.2 Ed. 1.0 b:2007](#), Amendment 2 - Radiotherapy equipment - Coordinates, movements and scales, \$25.00

### ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

[IEC/TR 60479-5 Ed. 1.0 b:2007](#), Effects of current on human beings and livestock - Part 5: Touch voltage threshold values for physiological effects, \$157.00

### ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-4-3 Amd.1 Ed. 3.0 b:2007](#), Amendment 1 - Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test, \$76.00

### EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS (TC 112)

[IEC 60085 Ed. 4.0 b:2007](#), Electrical insulation - Thermal evaluation and designation, \$32.00

### FUEL CELL TECHNOLOGIES (TC 105)

[IEC 62282-3-3 Ed. 1.0 b:2007](#), Fuel cell technologies - Part 3-3: Stationary fuel cell power systems - Installation, \$67.00

[IEC 62282-6-200 Ed. 1.0 b:2007](#), Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods, \$54.00

### INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC/TR 61158-1 Ed. 2.0 en:2007](#), Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series, \$157.00

[IEC 61158-SER Ed. 1.0 b:2007](#), Digital data communications for measurement and control - Fieldbus for use in industrial control systems - All Parts, \$1312.00

### INSULATING MATERIALS (TC 15)

[IEC 60641-1 Ed. 2.0 en:2007](#), Specification for pressboard and presspaper for electrical purposes - Part 1: Definitions and general requirements, \$32.00

[IEC 60641-3-2 Ed. 2.0 en:2007](#), Specification for pressboard and presspaper for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for presspaper, types P.2.1, P.4.1, P.4.2, P.4.3 and P.6.1, \$30.00

### SAFETY OF ELECTRICALLY-OPERATED FARM APPLIANCES (TC 61H)

[IEC 60335-2-87 Ed. 2.1 b:2007](#), Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal-stunning equipment, \$99.00

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

[IEC 60335-2-30 Ed. 4.2 b:2007](#), Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters, \$111.00

## IEC Technical Specifications

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

[IEC/TS 62224 Ed. 1.0 en:2007](#), Multimedia home server systems - Conceptual model for digital rights management, \$110.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

# Information Concerning

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## American National Standards

### INCITS Executive Board

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

##### Call for Members

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

The INCITS Executive Board serves as the consensus body with its oversight of programs of its 30+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at (202) 626-5737 or [jgarner@itic.org](mailto:jgarner@itic.org).

## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### Green Building Initiative (GBI)

ANSI's Executive Standards Council has approved the reaccreditation of the Green Building Initiative (GBI) under its revised 2007 operating procedures for documenting consensus on proposed American National Standards, effective November 15, 2007. For additional information, please contact: Ms. Susan Herbert, Vice-President, Science & Programs, TerraChoice Environmental Marketing, Inc., 1280 Old Innes Road, Suite 801, Ottawa, ON K1B 5M7 Canada; PHONE: (613) 247-1900, ext. 224; FAX: (613) 247-2228; E-mail: [sherbert@terrachoice.com](mailto:sherbert@terrachoice.com).

## International Organization for Standardization

### Call for New International Secretariat

#### ISO/TC 41/SC 3 - Pulleys and belts (including vee belts) – Conveyor belts

##### Comment Deadline: December 14, 2007

The Member Bodies of ISO have been contacted regarding the re-allocation, from the United Kingdom (BSI), of the Secretariat of ISO/TC 41/SC 3.

This Subcommittee is covered by the scope of the main Technical Committee (ISO/TC 41), having the following scope:

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

Information concerning the United States undertaking the role of international secretariat for this ISO subcommittee may be obtained by contacting Henrietta Scully at ANSI via E-mail: [hscully@ansi.org](mailto:hscully@ansi.org), by December 14, 2007.

### Call for Administrator

#### US ISO Technical Advisory Group (TAG) on Solid Biofuels

##### Comment Deadline: December 7, 2007

ISO's Technical Management Board (TMB) is in process of establishing a new ISO Technical Committee (TC) on Solid Biofuels with Sweden (SIS) as the international secretariat.

The proposed scope of this technical committee is as follows:

Standardization in the field of solid biofuels shall be within the following scope:

- Products from agriculture and forestry;
- Vegetable waste from agriculture and forestry;
- Vegetable waste from the food processing industry;
- Wood waste, with the exception of wood waste that may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular wood waste originated from construction and demolition waste;
- Fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is co incinerated at the place of production and heat generated is recovered;
- Cork waste.

In accordance with ANSI Procedure, when the US assumes Participating (P) status in an ISO Technical Committee/Subcommittee, there is established a Technical Advisory Group (TAG) with an ANSI Member serving as Administrator.

Any organization wishing to be considered as Administrator of a US TAG for Solid Biofuels, or anyone interested in serving on the US TAG, please contact Henrietta Scully at ANSI via E-mail: [hscully@ansi.org](mailto:hscully@ansi.org), by December 7, 2007.



## Change of Delegated International (ISO) Secretariat

### ISO/TC 28 – Petroleum Products and Lubricants

#### Comment Deadline: December 3, 2007

ANSI has been advised that the Accredited US Technical Advisory Group (TAG) for ISO/TC 28 unanimously approved the transfer of the US Delegated ISO Secretariat for Technical Committee 28 from the American Petroleum Institute (API) to ASTM International.

This TC is covered by the following scope:

Standardization of terminology, classification, specifications, methods of sampling, measurement, analysis and testing for:

- Petroleum;
- Petroleum products;
- Petroleum based lubricants and hydraulic fluids;
- Non-petroleum based liquid fuels;
- Non-petroleum based lubricants and hydraulic fluids.

Anyone wishing to comment on the delegation of the International Secretariat to ASTM, please contact Henrietta Scully at ANSI via E-mail: [hscully@ansi.org](mailto:hscully@ansi.org), by December 3, 2007.

## Request for Delegated International (ISO) Secretariat

### ISO/TC 28/SC 7 – Petroleum Products and Lubricants – Liquid Biofuels

#### Comment Deadline: December 3, 2007

ANSI has been requested by ASTM to serve as the Delegated ISO Secretariat for the recently established Subcommittee (SC) 7 within Technical Committee (TC) 28.

The SC is covered under the scope of the Technical Committee which is as follows:

Standardization of terminology, classification, specifications, methods of sampling, measurement, analysis and testing for:

- Petroleum;
- Petroleum products;
- Petroleum based lubricants and hydraulic fluids;
- Non-petroleum based liquid fuels;
- Non-petroleum based lubricants and hydraulic fluids.

Anyone wishing to comment on the delegation of the International Secretariat to ASTM, please contact Henrietta Scully at ANSI via E-mail: [hscully@ansi.org](mailto:hscully@ansi.org), by December 3, 2007.

## U.S. Technical Advisory Groups

### Approval of Accreditation and Appointment of TAG Administration

#### ISO Technical Management Board Working Group on Risk Management (ISO/TMB/RM)

ANSI's Executive Standards Council (ExSC) has approved the accreditation of a U.S. Technical Advisory Group to the new ISO Technical Management Board Working Group on Risk Management (ISO/TMB/RM), and the appointment of the American Society of Safety Engineers (ASSE) as TAG Administrator, effective November 16, 2007. The TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, please contact: Mr. Timothy Fisher, Director, Practices and Standards, American Society of Safety Engineers, 1800 East Oakton Street, Des Plaines, IL 60018; PHONE: (847) 768.3411; FAX: (847) 296-9221; Email: [TFisher@ASSE.org](mailto:TFisher@ASSE.org).

### Transfer of TAG Administrator

#### U.S. TAG to ISO/TC 28 – Petroleum Products and Lubricants

The U.S. Technical Advisory Group to ISO/TC 28, Petroleum products and lubricants has voted to approve the transfer of Administrator responsibilities from the American Petroleum Institute to ASTM International. This transfer also affects the following subcommittees: ISO/TC 28/SC 1, Terminology; ISO/TC 28/SC 2, Classifications and specifications; and ISO/TC 28/SC 7, Liquid biofuels. The TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. This action will be taken, effective January 1, 2008. For additional information, please contact: Mr. Todd Sandler, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; PHONE: (610) 832-9731; FAX: (610) 832-9666; E-mail: [tsandler@astm.org](mailto:tsandler@astm.org).

**BSR/UL 1278**  
**Movable and Wall- or Ceiling-Hung Electric Room Heaters**

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

**1. Additional Supply Cord Requirements**

**PROPOSAL**

59A.5 ~~At least three of the five~~ The samples shall withstand 5,000 cycles of abrasion testing without failure.

59B.7 ~~At least three of the five~~ The samples shall withstand a pinching force of 500 pounds (2,000 N) without failure.

59C.6 ~~At least three of the five~~ The samples shall withstand a crushing force of 200 pounds (890 N) for 7 hours without failure.

64.13 Except for a ceiling-hung heater, a heater shall employ the following markings:

a) Permanent marking on a surface of the heater that is visible from the front of the heater, with the word "WARNING" and the following or equivalent wording: "Risk of Fire - keep combustible material such as furniture, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and away from the sides and rear ." This marking shall be readily visible and shall have the minimum dimensions specified in 64.16.

b) A tag, permanently attached to the power-supply cord (see 64.14), that shall include at least the following or equivalent instructions:

"WARNING - TO REDUCE THE RISK OF FIRE:

1) Do not place any objects such as furniture, papers, clothes, and curtains closer than 3 feet (0.9 m) to the front of the heater and keep them away from the sides and rear when the heater is plugged in.

2) Do not place the heater near a bed because objects such as pillows or blankets can fall off the bed and be ignited by the heater.

3) Always unplug heater when not in use. (This item may be omitted if the heater is provided with a clock-operated switch).

4) Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

5) Do not operate heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return to an authorized service facility for examination and/or repair.

6) Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

7) Check your air heater cord and plug connections.

a) Faulty wall outlet connections or loose plugs can cause the outlet or plug to overheat. Be sure the plug fits tight in the outlet.

b) ~~Space heaters~~ Heaters draw more current than small appliances, overheating of the outlet may occur even if it has not occurred with the use of other appliances.

c) During use check frequently to determine if your plug outlet or faceplate is HOT!

d) If so, discontinue use of the heater and have a qualified electrician check and/or replace the faulty outlet(s).

**DO NOT REMOVE THIS TAG!"**

The above information is to be legibly printed and should contrast with the background. If both sides of the tag are utilized to incorporate the required marking, the text of the marking shall be arranged so that it is obvious that the marking is started on one side and is continued on the other side of the tag. The statements "WARNING - TO REDUCE THE RISK OF FIRE" and "DO NOT REMOVE THIS TAG!" shall be in letters at least 3/16 inch (4.8 mm) in height. The remaining text shall be in letters of at least 1/16 inch (1.6 mm) in height.

*Exception: The marking of "3 feet" in the above markings may be reduced if the marking is revised to replace the words "WARNING - TO REDUCE THE RISK OF FIRE" with "DANGER - TO AVOID FIRE ."*

59A.3 One end of each specimen shall be attached to a horizontal, reciprocating table while the table is at one end of its travel. The other end of each specimen shall be attached to a weight that exerts a force of  $12.0 \pm 0.5$  ozf ( $3.3 \pm 0.1$  N or  $340 \pm 13$  gf). Each specimen shall be laid over a quarter cylinder to whose outer surface an unused sheet of ~~Grade 1/2 (medium)~~ Medium (Grade 1/2) emery cloth is attached. The radius of the surface of the emery cloth shall be 3.5 in (90 mm). The longitudinal axis of the cylinder shall be horizontal and perpendicular to each of the vertical planes that contain the specimens as they move on and are abraded by the emery cloth.

**BSR/UL 1042**  
**Electric Baseboard Heating Equipment**

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

**1. Additional Supply Cord Requirements**

**PROPOSAL**

52A.5 ~~At least three of the five~~ The samples shall withstand 5,000 cycles of abrasion testing without failure.

52B.7 ~~At least three of the five~~ The samples shall withstand a pinching force of 500 pounds (2,000 N) without failure.

52C.6 ~~At least three of the five~~ The samples shall withstand a crushing force of 200 pounds (890 N) for 7 hours without failure.

54A.2 A tag permanently attached to the power supply-cord (see 54A.1), shall include at least the following or equivalent. Instructions:

"WARNING - TO REDUCE THE RISK OF FIRE :

- 1) Do not place any objects such as electrical cords, drapes, and other furnishings close to the heater and keep them away from the sides and rear when the heater is plugged in.
- 2) Do not place the heater near a bed because objects such as pillows or blankets can fall off the bed and be ignited by the heater.
- 3) Always unplug heater when not in use. (This item may be omitted if the heater is provided with a clock-operated switch).
- 4) Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or outlet strip.
- 5) Do not operate heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return to an authorized service facility for examination and/or repair.
- 6) Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- 7) Check your ~~air~~ heater cord and plug connections.
  - a) Faulty wall outlet connections or loose plugs can cause the outlet or plug to overheat. Be sure the plug fits tight in the outlet.

- b) ~~Space heaters~~ Heaters draw more current than small appliances, overheating of the outlet may occur even if it has not occurred with the use of other appliances.
- c) During use check frequently to determine if your plug outlet or faceplate is HOT!
- d) If so, discontinue use of the heater and have a qualified electrician check and/or replace the faulty outlet(s).

DO NOT REMOVE THIS TAG!"

52A.3 One end of each specimen shall be attached to a horizontal, reciprocating table while the table is at one end of its travel. The other end of each specimen shall be attached to a weight that exerts a force of  $12.0 \pm 0.5$  ozf ( $3.3 \pm 0.1$  N or  $340 \pm 13$  gf). Each specimen shall be laid over a quarter cylinder to whose outer surface an unused sheet of ~~Grade 1/2 (medium)~~ Medium (Grade 1/2) emery cloth is attached. The radius of the surface of the emery cloth shall be 3.5 in (90 mm). The longitudinal axis of the cylinder shall be horizontal and perpendicular to each of the vertical planes that contain the specimens as they move on and are abraded by the emery cloth.

**Table 11.2**

**Cord wire size based on heater current rating<sup>a</sup>**

Cord wire size AWG <sup>b</sup>	Attachment plug connection crimped only <sup>c</sup>	Maximum current rating of heater, amperes	
		Attachment plug connection and connections of supply cord to internal wiring of a heater shall be soldered, brazed, or welded <sup>d</sup>	
		Cord types S, SJ, SJO, SJT, SJTO, SO, SP, SPT, SRDT, ST, STO, SV, SVO, SVT, SVTO	Cord types HPD, HPN, HS, HSJ, HSJO, HSO
18	8	10	10
16	10.4	13	15
14	14.4	18	20

<sup>a</sup> This table limits the heater current on the basis of cord wire size, type of cord, type of connection between the cord wires and blades of the attachment plug and connections of power supply cord to internal wiring of a heater. For current limitation based on the attachment plug rating, see 11.1.5.

<sup>b</sup> The maximum current rating for other cord sizes can be determined from Table ~~400.5(A)~~ 400.5(A), Ampacity of Flexible Cords and Cables, National Electrical Code, ANSI/NFPA 70. When the attachment plug is connected by crimping only, the current rating of the heater is not to exceed 80 percent of the rating of the corresponding wire sizes of Type S Cord, regardless of the type of cord used.

<sup>c</sup> Applies to any acceptable cord type.

<sup>d</sup> A soldered connection shall be mechanically secured before being soldered. A soldered connection that is crimped before being soldered is considered to be mechanically secured before soldering. A brazed or welded connection may additionally be mechanically secured before brazing or welding.

**BSR Z136.7-200x****4.3 Laser Characterization.**

The laser ~~will~~shall be characterized prior to material testing such that the irradiance/radiant exposure at the sample is determined. The protocol shall take into account, at the minimum, the following laser parameters:

- Wavelength
- Average power (CW tests)
- Polarization
- Pulse energy (Pulsed tests)
- Pulse repetition frequency (PRF)
- Spatial profile (Both CW, Pulsed)
- Temporal profile (Pulsed tests)