

## Contents

### American National Standards

<b>Call for Comment on Standards Proposals</b> .....	2
<b>Call for Comment Contact Information</b> .....	6
<b>Call for Members (ANS Consensus Bodies)</b> .....	8
<b>Final Actions</b> .....	9
<b>Project Initiation Notification System (PINS)</b> .....	13

### International Standards

<b>ISO and IEC Draft Standards</b> .....	17
<b>ISO and IEC Newly Published Standards</b> .....	19
<b>Proposed Foreign Government Regulations</b> .....	21
<b>Information Concerning</b> .....	22

## American National Standards

### Call for comment on proposals listed

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

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

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

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

## Comment Deadline: July 4, 2010

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

#### Addenda

BSR/ASHRAE/IES Addendum dq to Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES 90.1-2007)

Modifies the calculations found in Appendix C in order to reflect modifications to the modeling assumptions in the equations.

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

Send comments (with copy to BSR) to:  
www.ashrae.org/technology/page/331

BSR/ASHRAE/IES Addendum dr to Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES 90.1-2007)

The original purpose for this provision was to limit the use of inefficient lighting sources for high wattage applications when there was not a comprehensive table of exterior LPD limits. With the table of requirements now in the 2007 and beyond versions of the standard, the need for this limit is superseded.

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

Send comments (with copy to BSR) to:  
www.ashrae.org/technology/page/331

### NECA (National Electrical Contractors Association)

#### Revisions

BSR/NECA 305-201x, Standard for Fire Alarm System Job Practices (revision of ANSI/NECA 305-2001)

Describes practices for installing, testing, and maintaining fire alarm systems. These job practices represent a minimum level of quality for fire alarm system installations.

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

Send comments (with copy to BSR) to: Michael Johnston, (301) 215-4521, am2@necanet.org

### NSF (NSF International)

#### Revisions

BSR/NSF 60-201x (i47), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 60-2010)

Issue 47: Amend Standard 60 to require tamper resistant/tamper evident seals on all containers of water treatment chemicals sold to water suppliers.

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

Send comments (with copy to BSR) to: Adrienne O'Day, (734) 827-5676, oday@nsf.org

BSR/NSF 170-201x (i9), Glossary of food equipment terminology (issue 9) (revision of ANSI/NSF 170-2009)

Issue 9: The purpose of the ballot is to modify the following definitions: dishwashing machine, final chemical sanitizing rinse, final hot water sanitizing rinse, and final rinse. A new definition is proposed for a post-sanitizing rinse.

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

Send comments (with copy to BSR) to: Lorna Badman, (734) 827-6806, badman@nsf.org

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 2335-201x, Fire Tests of Storage Pallets (revision of ANSI/UL 2335-2010)

Proposes to reference that an external flame breach up to 30 continuous seconds in duration is acceptable.

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

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

## Comment Deadline: July 19, 2010

### ADA (American Dental Association)

#### New National Adoptions

BSR/ADA/ISO No. 3950-201x, Designation System for Teeth and Areas of the Oral Cavity (identical national adoption and revision of ANSI/ADA/ISO 3950-1994)

Provides a system for designating teeth or areas of the oral cavity using two digits.

Single copy price: \$40.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to BSR) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

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

#### Revisions

BSR/APCO/NENA 1.102.1-201x, Service Capability Criteria Rating Scale (revision and redesignation of ANSI/APCO/NENA 1.102.1-2008)

To assist PSAP Managers and their Governing Authorities to identify their current level of service capability, an assessment tool is provided to facilitate an objective review of the current capabilities of the PSAP against models representing the best level of preparedness, survivability and sustainability amidst a wide range of natural and man-made events. The self-evaluation assessment tool is also intended to provide the basis for discussion with funding bodies concerning the PSAP status in regard to their current technological position, and readiness or effectiveness to survive certain risks associated with local vulnerabilities.

Single copy price: Free

Obtain an electronic copy from: www.apcostandards.org or standards@apointl.org

Order from: Amanda Byrd, (386) 944.2446, byrda@apointl.org

Send comments (with copy to BSR) to: Same

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

#### Revisions

BSR/ASABE EP559.1-201x, Design Requirements and Bending Properties for Mechanically-Laminated Wood Assemblies (revision of ANSI/ASAE EP559-FEB97 (R2008))

Establishes guidelines for designing and calculating allowable bending properties of mechanically laminated wood assemblies used as structural members. The scope is limited to mechanically laminated assemblies with three or four wood laminations.

Single copy price: \$48.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

Send comments (with copy to BSR) to: Same

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

### Withdrawals

BSR X9.32-1998 (R2006), Data Compression in Wholesale Financial Telecommunications (withdrawal of ANSI X9.32-1998 (R2006))

Establishes a method for the compression, decompression, and related control functions associated with the electronic transmission of financial data. Also provided by this standard are techniques to allow for the optimization of the compression function and to prevent the expansion of data. This standard is applicable without regard to the actual format or content of the data, and can be used on many diverse types of financial data.

Single copy price: \$60.00

Obtain an electronic copy from: [isabel.baileyx9@verizon.net](mailto:isabel.baileyx9@verizon.net)

Order from: Isabel Bailey, (410) 267-7707, [isabel.baileyx9@verizon.net](mailto:isabel.baileyx9@verizon.net)

Send comments (with copy to BSR) to: Same

BSR X9.96-2004, XML Cryptographic Message Syntax (withdrawal of ANSI X9.96-2004)

Specifies a text based Cryptographic Message Syntax (CMS) represented using XML 1.0 encoding that can be used to protect financial transactions and other documents from unauthorized disclosure and modification.

Single copy price: \$60.00

Obtain an electronic copy from: [isabel.baileyx9@verizon.net](mailto:isabel.baileyx9@verizon.net)

Order from: Isabel Bailey, (410) 267-7707, [isabel.baileyx9@verizon.net](mailto:isabel.baileyx9@verizon.net)

Send comments (with copy to BSR) to: Same

## ASME (American Society of Mechanical Engineers)

### Revisions

BSR/ASME A112.6.7-201x, Sanitary Floor Sinks (revision of ANSI/ASME A112.6.7-2001 (R2007))

Applies to sanitary floor sinks and includes requirements for material, construction, inspection, testing, and marking. The provisions of this Standard are not intended to prevent the use of any alternate materials or methods of construction, provided any such alternate meets the intent of this Standard.

Single copy price: Free

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: Fredric Constantino, (212) 591-8684, [constantinof@asme.org](mailto:constantinof@asme.org)

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

### New Standards

BSR O5.6-201x, Solid Sawn-Naturally Durable Hardwood Crossarms & Braces - Specifications & Dimensions (new standard)

Consists of specifications covering solid sawn - naturally durable hardwood crossarms and braces.

Single copy price: \$125.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

Order from: Kerriane Conn, (202) 434-8841, [kconn@atis.org](mailto:kconn@atis.org)

Send comments (with copy to BSR) to: Same

## BIFMA (Business and Institutional Furniture Manufacturers Association)

### Revisions

BSR/BIFMA X5.6-2010, Office Furnishings Panel Systems - Tests (revision of ANSI/BIFMA X5.6-2003)

Provides a common basis for evaluating the safety, durability, and structural performance of panel systems products, such as panels, screens, panel-supported systems, and various hang-on components used in conjunction with panel systems products. This standard specifies acceptance levels to help ensure reasonable safety and performance independent of construction materials, manufacturing processes, mechanical designs, or aesthetic designs.

Single copy price: N/A

Obtain an electronic copy from: [dpanning@bifma.org](mailto:dpanning@bifma.org)

Order from: BIFMA International

Send comments (with copy to BSR) to: David Panning, 616-285-3963, [dpanning@bifma.org](mailto:dpanning@bifma.org)

## ISA (ISA)

### Reaffirmations

BSR/ISA 75.08.09-2005 (R201x), Face-to-Face Dimensions for Sliding Stem Flangeless Control Valves (Classes 150, 300, and 600) (reaffirmation of ANSI/ISA 75.08.09-2005)

Applies to sliding stem flangeless control valves, sizes 20 mm (3/4 inch) through 600 mm (24 inches) for Classes 150, 300, and 600.

Single copy price: \$30.00

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

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

Send comments (with copy to BSR) to: Same

## ISEA (International Safety Equipment Association)

### New Standards

BSR/ISEA 103-201x, Classification and Performance Requirements for Chemical Protective Clothing (new standard)

Establishes minimum performance classification and labeling requirements for protective clothing designed to provide protection against chemical hazards. Items covered by this standard include, but may not be limited to:

- totally encapsulating suits;
- splash suits;
- coveralls;
- jackets;
- pants;
- aprons;
- smocks;
- hoods;
- sleeves; and
- shoe and boot covers.

To assist end-users, this document provides descriptions of referenced test methods, guidelines for conducting hazard and risk assessments, and suggested performance levels for certain applications.

Single copy price: \$30.00

Obtain an electronic copy from: [cfargo@safetysafetyequipment.org](mailto:cfargo@safetysafetyequipment.org)

Order from: Cristine Fargo, (703) 525-1695, [cfargo@safetysafetyequipment.org](mailto:cfargo@safetysafetyequipment.org)

Send comments (with copy to BSR) to: Same

## NCPDP (National Council for Prescription Drug Programs)

### Revisions

BSR/NCPDP Prescription Transfer Standard v2.0-201x, Prescription Transfer Standard v2.0 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard V1.1-2009)

To enable users to transfer prescription data in a standardized layout. Two layouts, a fixed length and a variable length format, were developed to provide more flexibility in the amount of data that needs to be transferred without making it a requirement in all cases. Both layouts include data elements required for the transfer of prescription data.

Single copy price: \$650.00

Obtain an electronic copy from: [kkrempin@ncdp.org](mailto:kkrempin@ncdp.org)

Order from: Kittye Krempin, (512) 291-1356, [kkrempin@ncdp.org](mailto:kkrempin@ncdp.org)

Send comments (with copy to BSR) to: Same

BSR/NCPDP TC vD.5-201x, NCPDP Telecommunication Standard vD.5 (revision and redesignation of ANSI/NCPDP TC VD.4-201x)

Supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol, and other appropriate telecommunication requirements.

Single copy price: \$650.00

Obtain an electronic copy from: [kkrempin@ncdp.org](mailto:kkrempin@ncdp.org)

Order from: Kittye Krempin, (512) 291-1356, [kkrempin@ncdp.org](mailto:kkrempin@ncdp.org)

Send comments (with copy to BSR) to: Same

## NSF (NSF International)

### Revisions

BSR/NSF 3-201x (i8), Commercial warewashing equipment (issue 6) (revision of ANSI/NSF 3-2009)

Issue 6: Adds specific wording in ANSI/NSF 3 to allow a potable water, post-sanitizing rinse on commercial dishwashers.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=8302](http://standards.nsf.org/apps/group_public/document.php?document_id=8302)

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

Send comments (with copy to BSR) to: Same

BSR/NSF 50-201x (i57), Equipment for Swimming Pools, Spas/Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2010)

Issue 57: Adds two optional evaluation criteria and testing methods for the evaluation of pumps for sound emission and energy efficiency.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=8332](http://standards.nsf.org/apps/group_public/document.php?document_id=8332)

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

Send comments (with copy to BSR) to: Same

## TIA (Telecommunications Industry Association)

### Addenda

BSR/TIA 568-C.0-1-201x, Generic Telecommunications Cabling for Customer Premises - Addendum 1: Updated Reference for Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568-C.0-2009)

Updates balanced twisted-pair references in ANSI/TIA 568-C.0 to the current balanced twisted-pair cabling standards of ANSI/TIA 568-C.2 and ANSI/TIA 1152.

Single copy price: \$53.00

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

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

Send comments (with copy to BSR) to: Teesha Jenkins, (703) 907-7706, [tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)

## UL (Underwriters Laboratories, Inc.)

### New Standards

BSR/UL 1309-201x, Standard for Safety for Marine Shipboard Cables (new standard)

Proposes a new edition of the Standard for Marine Shipboard Cables.

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: Camille Alma, (631) 271-6200, [Camille.A.Alma@us.ul.com](mailto:Camille.A.Alma@us.ul.com)

### Revisions

BSR/UL 294-201x, Standard for Safety for Access Control System Units (revision of ANSI/UL 294-2009)

Covers:

- (1) Addition of specifications for physical media for instructions and installation documents;
- (2) Revisions to minimum wire size in 12.3.2;
- (3) Revision of marking requirements for Class rating.

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 Sepper, (847) 664-3411, [Megan.M.Sepper@us.ul.com](mailto:Megan.M.Sepper@us.ul.com)

BSR/UL 1008-201x, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2008)

Covers proposed revisions to the short circuit and short time testing and marking requirements. The proposed revisions also includes editorial revisions in Section 41.

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: Esther Espinoza, (408) 754-6500, [Esther.Espinoza@us.ul.com](mailto:Esther.Espinoza@us.ul.com)

**Reaffirmations**

BSR/UL 1561-2005 (R201x), Standard for Safety for Dry-Type General Purpose and Power Transformers (reaffirmation of ANSI/UL 1561-2005)

These requirements cover:

- (a) General-purpose and power transformers of the air-cooled, dry, ventilated, and nonventilated types rated no more than 500 kVA single-phase or no more than 1500 kVA three-phase to be used in accordance with the NEC; and
- (b) General-purpose and power transformers of the exposed core, air-cooled, dry, and compound-filled types rated more than 10 kVA but no more than 333 kVA single-phase or no more than 1000 kVA three-phase to be used in accordance with the NEC.

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: Patricia Sena, (919) 549-1636, [patricia.a.sena@us.ul.com](mailto:patricia.a.sena@us.ul.com)

**Notice of Withdrawal: ANS at least 10 years past approval date**

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ANSI N13.6-1999, Occupational Radiation Exposure Records Systems, Practice for

ANSI/ANS 15.17-1981 (R2000), Fire Protection Program Criteria for Research Reactors

ANSI/ANS 57.9-1992 (R2000), Design Criteria for an Independent Spent Fuel Storage Installation (Dry Type)

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

BSR/VITA 48.5-201x, Mechanical Standard for Electronic Plug-In Units Using Air Flow Through Cooling (new standard)

Establishes the design requirements for an air-flow-through cooled plug-in unit with a 6U form factor

Single copy price: Free

Obtain an electronic copy from: [techdir@vita.com](mailto:techdir@vita.com)

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

**Comment Deadline: August 3, 2010**

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

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

BSR/UL 674-201x, Standard for Safety for Electric Motors and Generators for Use in Hazardous (Classified) Locations (proposal dated 6-4-10) (revision of ANSI/UL 674-2008)

This proposal includes The Proposed Fifth Edition of Electric Motors and Generators for Use in Hazardous (Classified) Locations, UL/CSA/ANCE Harmonized Standard

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: Vickie Hinton, (919) 549-1851, [vickie.t.hinton@us.ul.com](mailto:vickie.t.hinton@us.ul.com)

# Call for Comment Contact Information

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

## Order from:

### ADA (Organization)

American Dental Association

211 East Chicago Avenue  
Chicago, IL 60611-2678  
Phone: (312) 440-2506

Fax: (312) 440-2529  
Web: [www.ada.org](http://www.ada.org)

### APCO

Association of Public-Safety  
Communications  
Officials-International

351 N. Williamson Boulevard  
Daytona Beach, FL 32114

Phone: (386) 944-2446  
Fax: (386) 944-2746  
Web: [www.apcolntl.org](http://www.apcolntl.org)

### ASABE

American Society of Agricultural  
and Biological Engineers

2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 932-7015  
Fax: (269) 429-3852  
Web: [www.asabe.org](http://www.asabe.org)

### ASC X9

Accredited Standards Committee  
X9, Incorporated

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

### ASME

American Society of Mechanical  
Engineers

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)

### ATIS

Alliance for Telecommunications  
Industry Solutions

1200 G Street, NW  
Suite 500  
Washington, DC 20005  
Phone: (202) 434-8841

Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)

### BIFMA

Business and Institutional Furniture  
Manufacturers Association

678 Front Ave. NW  
Grand Rapids, MI 49504  
Phone: 616-285-3963  
Fax: 616-285-3765

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

### comm2000

1414 Brook Drive  
Downers Grove, IL 60515

**Global Engineering Documents**  
Global Engineering Documents

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

### ISA (Organization)

ISA-The Instrumentation, Systems,  
and Automation Society

67 Alexander Drive  
Research Triangle Park, NC  
27709

Phone: (919) 990-9228  
Fax: (919) 549-8288  
Web: [www.isa.org](http://www.isa.org)

### ISEA

International Safety Equipment  
Association

1901 North Moore Street  
Suite 808  
Arlington, VA 22209  
Phone: (703) 525-1695

Fax: (703) 528-2148  
Web: [www.safetysafetyequipment.org](http://www.safetysafetyequipment.org)

### NCPDP

National Council for Prescription  
Drug Programs

9240 East Raintree Drive  
Scottsdale, AZ 85260  
Phone: (512) 291-1356  
Fax: (480) 767-1042  
Web: [www.ncpdp.org](http://www.ncpdp.org)

### NSF

NSF International

P.O. Box 130140  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-6806  
Fax: (734) 827-6831  
Web: [www.nsf.org](http://www.nsf.org)

## Send comments to:

### ADA (Organization)

American Dental Association  
211 East Chicago Avenue

Chicago, IL 60611-2678  
Phone: (312) 587-4129  
Fax: (312) 440-2529  
Web: www.ada.org

### APCO

Association of Public-Safety  
Communications  
Officials-International

351 N. Williamson Boulevard  
Daytona Beach, FL 32114  
Phone: (386) 944.2446  
Fax: (386) 944-2746  
Web: www.apcolntl.org

### ASABE

American Society of Agricultural  
and Biological Engineers

2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 932-7015  
Fax: (269) 429-3852  
Web: www.asabe.org

### ASC X9

Accredited Standards Committee  
X9, Incorporated

1212 West Street, Suite 200  
Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: www.x9.org

### ASHRAE

American Society of Heating,  
Refrigerating and  
Air-Conditioning Engineers, Inc.

1791 Tullie Circle NE  
Atlanta, GA 30329  
Phone: (678) 539-1111  
Fax: (678) 539-2111  
Web: www.ashrae.org

### ASME

American Society of Mechanical  
Engineers

3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016  
Phone: (212) 591-8684  
Fax: (212) 591-8501  
Web: www.asme.org

### ATIS

Alliance for Telecommunications  
Industry Solutions

1200 G Street, NW  
Suite 500  
Washington, DC 20005  
Phone: (202) 434-8841  
Fax: (202) 347-7125  
Web: www.atis.org

### BIFMA

Business and Institutional Furniture  
Manufacturers Association

678 Front Ave. NW  
Grand Rapids, MI 49504  
Phone: 616-285-3963  
Fax: 616-285-3765  
Web: www.bifma.org

### ISA (Organization)

ISA-The Instrumentation, Systems,  
and Automation Society

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

### ISEA

International Safety Equipment  
Association

1901 North Moore Street  
Suite 808  
Arlington, VA 22209  
Phone: (703) 525-1695  
Fax: (703) 528-2148  
Web: www.safteyequipment.org

### NCPDP

National Council for Prescription  
Drug Programs

9240 East Raintree Drive  
Scottsdale, AZ 85260  
Phone: (512) 291-1356  
Fax: (480) 767-1042  
Web: www.ncpdp.org

### NECA

National Electrical Contractors  
Association

3 Bethesda Metro Center  
Suite 1100  
Bethesda, MD 20814  
Phone: (301) 215-4521  
Fax: (301) 215-4500  
Web: www.necanet.org

### NSF

NSF International

P.O. Box 130140  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-6806  
Fax: (734) 827-6831  
Web: www.nsf.org

### TIA

Telecommunications Industry  
Association

2500 Wilson Blvd.  
Suite 300  
Arlington, VA 22201  
Phone: (703) 907-7706  
Fax: (703) 907-7727  
Web: www.tiaonline.org

### UL

Underwriters Laboratories, Inc.

1285 Walt Whitman Road  
Melville, NY 11747  
Phone: (631) 271-6200  
Web: www.ul.com/

### VITA

VMEbus International Trade  
Association (VITA)

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

# Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

---

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

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Phone:** (631) 390-0215

**Fax:** (631) 390-0217

**E-mail:** sblaeser@aip.org; asastds@aip.org

BSR ASA S12.51-2002/ISO 3741-201x, Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (identical national adoption of ISO 3741:201x)

## ASA (ASC S3) (Acoustical Society of America)

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Phone:** (631) 390-0215

**Fax:** (631) 390-0217

**E-mail:** sblaeser@aip.org; asastds@aip.org

BSR/ASA S3.5-201x, Methods for Calculation of the Speech Intelligibility Index (revision and redesignation of ANSI S3.5-1997 (R2007))

## ISEA (International Safety Equipment Association)

**Office:** 1901 North Moore Street, Suite 808  
Arlington, VA 22209

**Contact:** Cristine Fargo

**Phone:** (703) 525-1695

**Fax:** (703) 528-2148

**E-mail:** cfargo@safetyequipment.org

BSR/ISEA 103-201x, Classification and Performance Requirements for Chemical Protective Clothing (new standard)

## NEMA (National Electrical Manufacturers Association)

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

**Contact:** Gerard Winstanley

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

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

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

BSR/IEC 60529-2004 (R201x), Degrees of Protection Provided by Enclosures (IP Code) (reaffirmation of ANSI/IEC 60529-2004)

BSR/NEMA OS 2-201x, Nonmetallic Outlet Boxes, Device Boxes, Covers and Box Supports (revision of ANSI/NEMA OS 2-2008)

## TAPPI (Technical Association of the Pulp and Paper Industry)

**Office:** 15 Technology Parkway South  
Norcross, GA 30033

**Contact:** Charles Bohanan

**Phone:** (770) 209-7276

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 421 om-xx, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)

## TIA (Telecommunications Industry Association)

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

**Contact:** Teesha Jenkins

**Phone:** (703) 907-7706

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

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

BSR/TIA 568-C.0-1-201x, Generic Telecommunications Cabling for Customer Premises - Addendum 1: Updated Reference for Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568-C.0-2009)



# Final actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

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

### New National Adoptions

ANSI/AAMI/ISO 10993-9-2010, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products (identical national adoption and revision of ANSI/AAMI/ISO 10993-9-1999 (R2005)): 5/17/2010

### Reaffirmations

ANSI/AAMI ST58-2005 (R2010), Chemical sterilization and high-level disinfection in health care facilities (reaffirmation of ANSI/AAMI ST58-2005): 5/17/2010

ANSI/AAMI/ISO 11140-1-2005 (R2010), Sterilization of health care products - Chemical indicators - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 11140-1-2005): 5/17/2010

## ABMA (ASC B3) (American Bearing Manufacturers Association)

### Stabilized Maintenance: See 3.3.3 of the ANSI Essential Requirements

ANSI B3.1-1992 (S2010), Rolling Element Bearings - Aircraft Engine, Engine Gearbox, and Accessory Applications - Eddy Current Inspection (stabilized maintenance of ANSI B3.1-1992 (R2008)): 5/19/2010

ANSI B3.2-1992 (S2010), Rolling Element Bearings - Aircraft Engine, Engine Gearbox, and Accessory Applications - Surface Visual Inspection (stabilized maintenance of ANSI B3.2-1992 (R2008)): 5/19/2010

ANSI/ABMA 8.1-1990 (S2010), Ball and Roller Bearing Mounting Accessories - Metric Design (stabilized maintenance of ANSI/ABMA 8.1-1990 (R2008)): 5/19/2010

ANSI/ABMA 8.2-1999 (S2010), Ball and Roller Bearing Mounting Accessories - Inch Design (stabilized maintenance of ANSI/ABMA 8.2-1999 (R2008)): 5/19/2010

ANSI/ABMA 12.1-1992 (S2010), Instrument Ball Bearings - Metric Design (stabilized maintenance of ANSI/ABMA 12.1-1992 (R2008)): 5/19/2010

ANSI/ABMA 12.2-1992 (S2010), Instrument Ball Bearings - Inch Design (stabilized maintenance of ANSI/ABMA 12.2-1992 (R2008)): 5/19/2010

ANSI/ABMA 13-1987 (S2010), Rolling Bearing Vibration and Noise (Methods of Measuring) (stabilized maintenance of ANSI/ABMA 13-1987 (R2008)): 5/19/2010

ANSI/ABMA 14-1995 (S2010), Housings for Bearings with Spherical Outside Surfaces (stabilized maintenance of ANSI/ABMA 14-1995 (R2008)): 5/19/2010

ANSI/ABMA 15-1991 (S2010), Ball Bearings with Spherical Outside Surfaces and Extended Inner Ring Width (Includes Eccentric Locking Collars) (stabilized maintenance of ANSI/ABMA 15-1991 (R2008)): 5/19/2010

ANSI/ABMA 21.1-1988 (S2010), Thrust Needle Roller and Cage Assemblies and Thrust Washers - Metric Design (stabilized maintenance of ANSI/ABMA 21.1-1988 (R2009)): 5/19/2010

ANSI/ABMA 21.2-1988 (S2010), Thrust Needle Roller and Cage Assemblies and Thrust Washers - Inch Design (stabilized maintenance of ANSI/ABMA 21.2-1988 (R2008)): 5/19/2010

ANSI/ABMA 22.2-1988 (S2010), Spherical Plain Radial Bearings, Joint Type - Inch Design (stabilized maintenance of ANSI/ABMA 22.2-1988 (R2008)): 5/19/2010

ANSI/ABMA 23.2-1988 (S2010), Thrust Bearings of Tapered Roller Type - Inch Design (stabilized maintenance of ANSI/ABMA 23.2-1988 (R2008)): 5/19/2010

ANSI/ABMA 24.1-1989 (S2010), Thrust Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design (stabilized maintenance of ANSI/ABMA 24.1-1989 (R2008)): 5/19/2010

ANSI/ABMA 24.2-1989 (S2010), Thrust Bearings of Ball and Cylindrical Roller Types - Inch Design (stabilized maintenance of ANSI/ABMA 24.2-1989 (R2008)): 5/19/2010

ANSI/ABMA 25.2-1990 (S2010), Rolling Bearings, Linear Motion Recirculating Ball, Sleeve Type - Inch Series (stabilized maintenance of ANSI/ABMA 25.2-1990 (R2008)): 5/19/2010

ANSI/ABMA/ISO 104-1994 (S2010), Thrust bearings - Boundary dimensions, general plan (stabilized maintenance of ANSI/ABMA/ISO 104-1994 (R2008)): 5/27/2010

ANSI/ABMA/ISO 12240-1-1998 (S2010), Spherical plain bearings - Part 1: Radial spherical plain bearings (stabilized maintenance of ANSI/ABMA/ISO 12240-1-1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 12240-2-1998 (S2010), Spherical plain bearings - Part 2: Angular contact spherical plain bearings (stabilized maintenance of ANSI/ABMA/ISO 12240-2-1998 (R2009)): 5/19/2010

ANSI/ABMA/ISO 12240-3-1998 (S2010), Spherical plain bearings - Part 3: Thrust spherical plain bearings (stabilized maintenance of ANSI/ABMA/ISO 12240-3-1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 12240-4-1998 (S2010), Spherical plain bearings - Part 4: Spherical plain bearing rod ends (stabilized maintenance of ANSI/ABMA/ISO 12240-4-1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14213-1998 (S2010), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Shielded, Torque Tube Design, Extra-Light Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14213-1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13411:1997 (S2010), Aerospace - Airframe needle roller, needle track roller and cylindrical roller bearings - Technical specification (stabilized maintenance of ANSI/ABMA/ISO 13411:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13412:1997 (S2010), Aerospace - Airframe track roller, yoke type, single row, sealed - Inch series (stabilized maintenance of ANSI/ABMA/ISO 13412:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13413:1997 (S2010), Aerospace - Airframe track roller, yoke type, double row, sealed - Inch series (stabilized maintenance of ANSI/ABMA/ISO 13413:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13414:1997 (S2010), Aerospace - Airframe needle roller, single row, shielded - Inch series (stabilized maintenance of ANSI/ABMA/ISO 13414:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13415:1997 (S2010), Aerospace - Airframe track roller, stud type, single row, sealed - Inch series (stabilized maintenance of ANSI/ABMA/ISO 13415:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13416:1997 (S2010), Aerospace - Airframe track roller, yoke type, single row, sealed - Metric series (stabilized maintenance of ANSI/ABMA/ISO 13416:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 13417:1997 (S2010), Aerospace - Airframe track roller, stud type, single row, sealed - Metric series (stabilized maintenance of ANSI/ABMA/ISO 13417:1997 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14190:1998 (S2010), Aerospace - Airframe Rolling Bearings: Ball and Spherical Roller Bearings Technical Specification (stabilized maintenance of ANSI/ABMA/ISO 14190:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14191:1998 (S2010), Aerospace - Airframe Spherical Roller Bearings, Single Row, Self-Aligning, Diameter Series 3 and 4 - Metric Series (stabilized maintenance of ANSI/ABMA/ISO 14191:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14192:1998 (S2010), Aerospace - Airframe spherical roller bearings, single row, self-aligning, shielded, intermediate duty - Metric series (stabilized maintenance of ANSI/ABMA/ISO 14192:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14193:1998 (S2010), Aerospace - Airframe spherical roller bearings, single row, self-aligning, sealed, extended inner ring, intermediate duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14193:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14194:1998 (S2010), Aerospace - Airframe spherical roller bearings, double row, self-aligning, extended inner ring, sealed, extended inner ring, heavy duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14194:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14195:1998 (S2010), Aerospace - Airframe spherical roller bearings, double row, self-aligning, sealed, torque tube design, light duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14195:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14196:1998 (S2010), Aerospace - Airframe spherical roller bearings, double row, self-aligning, sealed, plain inner ring, heavy duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14196:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14197:1998 (S2010), Aerospace - Airframe spherical roller bearings, single row, self-aligning, sealed, intermediate duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14197:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14201:1998 (S2010), Aerospace - Airframe ball bearings, double row, self-aligning, diameter series 2 - Metric series (stabilized maintenance of ANSI/ABMA/ISO 14201:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14202:1998 (S2010), Aerospace - Airframe ball bearings, single row, rigid, diameter series 0 and 2 - Metric series (stabilized maintenance of ANSI/ABMA/ISO 14202:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14203:1998 (S2010), Aerospace - Airframe ball bearings, single row, rigid, diameter series 8 and 9 - Metric series (stabilized maintenance of ANSI/ABMA/ISO 14203:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14204:1998 (S2010), Aerospace - Airframe ball bearings, double row, rigid, diameter series 0 - Metric series (stabilized maintenance of ANSI/ABMA/ISO 14204:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14206:1998 (S2010), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Sealed, Light Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14206:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14207:1998 (S2010), Aerospace - Airframe ball bearings, single row, rigid, precision, sealed, light duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14207:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14208:1998 (S2010), Aerospace - Airframe ball bearings, single row, rigid, sealed, intermediate duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14208:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14209:1998 (S2010), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Sealed, Intermediate Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14209:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14210:1998 (S2010), Aerospace - Airframe ball bearings, single row, rigid, sealed, torque tube design, light duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14210:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14211:1998 (S2010), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Sealed, Torque Tube Design, Light Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14211:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14212:1998 (S2010), Aerospace - Airframe Ball Bearings, Single-Row, Rigid, Sealed, Torque Tube Design, Extra-Light Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14212:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14214:1998 (S2010), Aerospace - Airframe Ball Bearings, Double Row, Rigid, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14214:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14215:1998 (S2010), Aerospace - Airframe Ball Bearings, Double Row, Rigid, Precision, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14215:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14216:1998 (S2010), Aerospace - Airframe Ball Bearings, Double Row, Self-Aligning, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14216:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14217:1998 (S2010), Aerospace - Airframe Ball Bearings, Double Row, Self-Aligning, Precision, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14217:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14218:1998 (S2010), Aerospace - Airframe Ball Bearings, Single Row, Self-Aligning, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14218:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14219:1998 (S2010), Aerospace - Airframe ball bearings, single row, self-aligning, precision, sealed, heavy duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14219:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14220:1998 (S2010), Aerospace - Airframe ball bearings, single row, self-aligning, sealed, light duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14220:1998 (R2008)): 5/19/2010

ANSI/ABMA/ISO 14221:1998 (S2010), Aerospace - Airframe ball bearings, single row, self-aligning, precision, sealed, light duty - Inch series (stabilized maintenance of ANSI/ABMA/ISO 14221:1998 (R2008)): 5/19/2010

## **AMCA (Air Movement and Control Association)**

### **Revisions**

ANSI/AMCA 99-2010, Standards Handbook (revision, redesignation and consolidation of ANSI/AMCA 99-0068-2003, 99-2404-2003, 99-2405-2003, 99-2406-2003, 99-2407-2003, 99-2410-2003, 99-2412-2003, 99-2413-2003, 99-2414-2003, 99-3001-2003, and 99-3404-2003): 5/19/2010

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

### **Reaffirmations**

ANSI/ANS 2.26-2004 (R2010), Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design (reaffirmation of ANSI/ANS 2.26-2004): 5/27/2010

## **API (American Petroleum Institute)**

### **New National Adoptions**

ANSI/API Recommended Practice 2MOP-2010, Marine Operations (identical national adoption of ISO 19901-6): 5/17/2010

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

### **Revisions**

ANSI X9.100-161-2010, Creating MICR Document Specification Forms (revision of ANSI X9.100-161-2004): 5/19/2010

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

### **Reaffirmations**

ANSI/ASME A112.1.3-2000 (R2010), Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances (reaffirmation of ANSI/ASME A112.1.3-2000 (R2005)): 5/24/2010

ANSI/ASME A112.6.9-1005 (R2010), Standard for Siphonic Roof Drainage Systems (reaffirmation of ANSI/ASME A112.6.9-2005): 5/24/2010

ANSI/ASME A112.19.15-2005 (R2010), Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors (reaffirmation of ANSI/ASME A112.19.15-2005): 5/24/2010

ANSI/ASME PTC 29-2005 (R2010), Speed Governing Systems for Hydraulic Turbine Generator Units (reaffirmation of ANSI/ASME PTC 29-2005): 5/27/2010

### **Revisions**

ANSI/ASME B30.6-2010, Derricks (revision of ANSI/ASME B30.6-2003 (R2009)): 5/21/2010

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

### **Revisions**

ANSI/AWS D14.3/D14.3M-2010, Specification for Welding Earthmoving, Construction, and Agricultural Equipment (revision of ANSI/AWS D14.3/D14.3M-2005): 5/26/2010

## **BHMA (Builders Hardware Manufacturers Association)**

### **Revisions**

ANSI/BHMA A156.9-2010, Cabinet Hardware (revision of ANSI/BHMA A156.9-2003): 5/21/2010

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

### **New Standards**

ANSI/IEEE 433-2009, Recommended Practice for Insulation Testing of AC Electric Machinery with High Voltage at Very Low Frequency (new standard): 5/21/2010

ANSI/IEEE 802.1AR-2009, Standard for Local and Metropolitan Area Networks - Secure Device Identity (new standard): 5/26/2010

ANSI/IEEE 1142-2009, Guide for the Selection, Testing, Application and Installation of Cables Having Radial Moisture Barriers and/or Longitudinal Water Blocking (new standard): 5/21/2010

ANSI/IEEE 1149.7-2009, Standard for Reduced-Pin and Enhanced-Functionality Test Access Port and Boundary Scan Architecture (new standard): 5/26/2010

ANSI/IEEE 1685-2009, Standard for IP-XACT, Standard Structure for Packaging, Integrating and Re-Using IP Within Tool-Flows (new standard): 5/18/2010

ANSI/IEEE 2600.2-2009, Standard Protection Profile for Hardcopy Devices in IEEE Std. 2600-2008 Operational Environment B (new standard): 5/17/2010

ANSI/IEEE 2600.3-2009, Standard Protection Profile for Hardcopy Devices in IEEE Std. 2600-2008 Operational Environment C (new standard): 5/21/2010

ANSI/IEEE C37.42-2009, Standard for Specifications for High Voltage (>1000 Volts) Expulsion Type Distribution Class Fuses, Fuse and Disconnecting Cutouts, Fuse Disconnecting Switches and Fuse Links and Accessories Used with These Devices (new standard): 5/21/2010

ANSI/IEEE C37.233-2009, Guide for Power System Protection Testing (new standard): 5/24/2010

### **Reaffirmations**

ANSI/IEEE 635-2003 (R2009), Guide for Selection and Design of Aluminum Sheaths for Power Cables (reaffirmation of ANSI/IEEE 635-2003): 5/21/2010

ANSI/IEEE 771-1998 (R2009), Guide to the Use of the ATLAS Specification (reaffirmation of ANSI/IEEE 771-1998 (R2004)): 5/17/2010

ANSI/IEEE 1217-2001 (R2009), Guide for Preservative Treatment of Wood Distribution and Transmission Line Structures (reaffirmation of ANSI/IEEE 1217-2001): 5/27/2010

ANSI/IEEE 1264-2004 (R2009), Guide for Animal Deterrents for Electric Power Supply Substations (reaffirmation of ANSI/IEEE 1264-2004): 5/21/2010

ANSI/IEEE 1445-1998 (R2009), Standard for Digital Test Interchange Format (DTIF) (reaffirmation of ANSI/IEEE 1445-1998 (R2004)): 5/21/2010

ANSI/IEEE 1621-2004 (R2009), Standard for User Interface Elements in Power Control of Electronic Devices Employed in Office/Consumer Environments (reaffirmation of ANSI/IEEE 1621-2004): 5/18/2010

### **Revisions**

ANSI/IEEE 1481-2009, Standard for Integrated Circuit (IC) Open Library Architecture (OLA) (revision of ANSI/IEEE 1481-1999): 5/21/2010

ANSI/IEEE C57.12.34-2009, Standard for Requirements for Pad-Mounted, Compartmental Type, Self Cooled, Three Phase Distribution Transformers (revision of ANSI/IEEE C57.12.34-2004): 5/21/2010

### **Supplements**

ANSI/IEEE 802.1aj-2009, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment 08: Two-Port Media Access Control (MAC) Relay (supplement to ANSI/IEEE 802.1Q-2005): 5/17/2010

ANSI/IEEE 802.3av-2009, LAN/MAN - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Amendment: Physical Layer Specifications and Management Parameters for 10Gb/s Passive Optical Networks (supplement to ANSI/IEEE 802.3-2008): 5/24/2010

ANSI/IEEE 802.3-2008/Cor1-2009, LAN/MAN - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Corrigendum 1 Timing Considerations for PAUSE Operation (supplement to ANSI/IEEE 802.3-2008): 5/17/2010

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

### **New National Adoptions**

INCITS/ISO/IEC 19794-5-2005/Amendment 2-2010, Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 2: Three-dimensional face image data interchange format (identical national adoption of ISO/IEC 19794-5:2005 Amendment 2:2009): 5/17/2010

## **NSF (NSF International)**

### ***Revisions***

ANSI/NSF 2-2010 (i17), Food Equipment (revision of ANSI/NSF 2-2009): 5/20/2010

ANSI/NSF 140-2010 (i10), Sustainable Carpet Assessment (revision of ANSI/NSF 140-2007e): 4/28/2010

## **SAE (Society of Automotive Engineers)**

### ***New National Adoptions***

ANSI/SAE/ISO 9244-2010, Earth Moving Machinery - Product Safety Labels - General Principles (identical national adoption of ISO 9244): 5/27/2010

## **SPRI (Single Ply Roofing Institute)**

### ***Revisions***

ANSI/SPRI IA-1-2010, Standard Field Test Procedure for Determining the Mechanical Uplift Resistance of Insulation Adhesive over Various Substrates (revision of ANSI/SPRI IA-1-2005): 5/17/2010

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

### ***New Standards***

ANSI/UL 2443-2010, Standard for Safety for Flexible Sprinkler Hose with Fittings for Fire Protection Service (new standard): 5/25/2010

### ***Revisions***

ANSI/UL 1004-7-2010, Standard for Safety for Electronically Protected Motors (revision of ANSI/UL 1004-7-2009b): 5/26/2010

## **VC (ASC Z80) (The Vision Council)**

### ***Revisions***

ANSI Z80.21-2010, Visual Acuity Charts (revision of ANSI Z80.21-1992 (R2004)): 5/27/2010

# 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.

## **AIIM (Association for Information and Image Management)**

**Office:** 1100 Wayne Avenue, Suite 1100  
Silver Spring, MD 20910

**Contact:** *Betsy Fanning*

**Fax:** (240) 494-2682

**E-mail:** [bfanning@aiim.org](mailto:bfanning@aiim.org)

BSR/AIIM 22-201x, Standard Recommended Practice - Strategy Markup Language - Part 2: Performance Plans and Reports (new standard)

Stakeholders: Any organization that performs strategic planning and monitors performance against the plans.

Project Need: To formalize a practice that is commonly accepted but implemented inconsistently. This standard will identify elements that are common for inclusion in performance plans and reports.

Specifies an Extensible Markup Language (XML) vocabulary and schema (XSD) for the elements that are common and considered to be part of performance plans and reports.

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

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** *Susan Blaeser*

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

BSR/ASA S12.51-2002/ISO 3741-201x, Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (identical national adoption of ISO 3741)

Stakeholders: Noise control engineers, manufacturers, researchers.

Project Need: The current ANS is an identical national adoption. The underlying ISO document is currently being balloted as an FDIS. Upon its approval, it is expected that the new version will be proposed for identical national adoption.

Specifies direct and comparison methods for determining the sound power level or sound energy level of a noise source from sound pressure levels measured in a reverberation test room. The sound power level or sound energy level produced by the noise source is calculated using those measurements including corrections to allow for any differences between the meteorological conditions at the time and place of the test and those corresponding to a reference characteristic impedance.

## **ASA (ASC S3) (Acoustical Society of America)**

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** *Susan Blaeser*

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

BSR/ASA S3.5-201x, Methods for Calculation of the Speech Intelligibility Index (revision and redesignation of ANSI S3.5-1997 (R2007))

Stakeholders: Telecommunications, military, medical, environmental noise, architectural, noise control bodies.

Project Need: To correct errors that have been identified in the 1997 edition and to update the standard in order to reflect scientific advances.

Defines a method for computing a physical measure that is highly correlated with the intelligibility of speech as evaluated by speech perception tests given a group of talkers and listeners. The measure is called the Speech Intelligibility Index, or SII. The SII is calculated from acoustical measurements of speech and noise.

## **ASTM (ASTM International)**

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

**Contact:** *Helene Skloff*

**Fax:** (610) 834-7013

**E-mail:** [hskloff@astm.org](mailto:hskloff@astm.org); [cleonard@astm.org](mailto:cleonard@astm.org)

BSR/ASTM WK28898-201x, New Specification for Condition 2 Bicycle Frames (new standard)

Stakeholders: Sports equipment and facilities industry.

Project Need: To establish testing requirements for the structural performance properties of Condition 2 Bicycle frames.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK28898.htm>

**EIA (Electronic Industries Alliance)**

**Office:** 2500 Wilson Boulevard  
Suite 310  
Arlington, VA 22201

**Contact:** Cecelia Yates

**Fax:** (703) 875-8908

**E-mail:** cyates@ecaus.org

BSR/EIA 364-114-201x, Coupling and Uncoupling Force Test Procedure for Electrical Connectors (new standard)

Stakeholders: The electrical, electronics, and telecommunications industries.

Project Need: To create a new test procedure specifically designed to cover the coupling and uncoupling force of circular connectors

Establishes a test method to determine the coupling/uncoupling forces required to couple and uncouple electrical connectors, sockets, and applicable accessories.

**ICC (International Code Council)**

**Office:** 4051 West Flossmoor Road  
Country Club Hills, IL 60478-5795

**Contact:** Edward Wirtschoreck

**Fax:** (708) 799-0320

**E-mail:** ewirtschoreck@iccsafe.org

BSR/ICC 803-201x, Standard for Rainwater Collection System Filters, Pre-filters and Debris Excluders (new standard)

Stakeholders: Consumers, building engineers, rainwater system designers, rainwater system installers, environmental, water utilities and providers, manufacturers.

Project Need: Increased emphasis on water conservation and new product designs have lead to the need for standards to establish criteria for product performance, design, construction, and durability. Standards will ensure interoperability of products produced by different manufacturers and the integration of these products with existing roofing and building systems.

Applies to filters, pre-filters, and debris excluders used within a rainwater collection system to exclude debris and particulates from collected rainwater prior to storage and/or use and to prevent the entrance of insects and vermin into the system. Includes systems designed for residential, commercial, industrial, and agricultural applications, and also applies to both potable and non-potable systems.

BSR/ICC 804-201x, Standard for Rainwater Collection System Roof Washers and First-Flush Diverters (new standard)

Stakeholders: Consumers, building engineers, rainwater system designers, rainwater system installers, environmental, water utilities and providers, manufacturers.

Project Need: Increased emphasis on water conservation and new product designs have lead to the need for standards to establish criteria for product performance, design, construction, and durability. Standards will ensure interoperability of products produced by different manufacturers and the integration of these products with existing roofing and building systems.

Applies to roof washers and first-flush diverters used within a rainwater collection system to divert an initial quantity of water from a rain event from storage and use to minimize contamination. Includes systems designed for residential, commercial, industrial, and agricultural applications, and also applies to both potable and non-potable systems.

**ISA (ISA)**

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

**Contact:** Eliana Beattie

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

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

BSR/ISA 75.05.01-2001 (R201x), Control Valve Terminology (reaffirmation of ANSI/ISA 75.05.01-2001 (R2005))

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To provide a glossary of definitions commonly used in the control valve industry.

Contains terminology for control valves.

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

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

**Contact:** Serena Patrick

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

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

INCITS/ISO/IEC 27004-201x, Information technology - Security techniques - Information security management - Measurement (identical national adoption of ISO/IEC 27004:2009)

Stakeholders: ICT industry.

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

Provides guidance on the development and use of measures and measurement in order to assess the effectiveness of an implemented information security management system (ISMS) and controls or groups of controls, as specified in ISO/IEC 27001. ISO/IEC 27004:2009 is applicable to all types and sizes of organization.

**NEMA (National Electrical Manufacturers Association)**

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

**Contact:** Gerard Winstanley

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

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

BSR/IEC 60529-2004 (R201x), Degrees of Protection Provided by Enclosures (IP Code) (reaffirmation of ANSI/IEC 60529-2004)

Stakeholders: Users of IP codes used to specify environmental protection for electrical enclosures.

Project Need: To reaffirm this standard.

Applies to the classification of degrees of protection provided by enclosures for electrical equipment with a rated voltage not exceeding 72,5 kV.

**NEMA (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209

**Contact:** *Michael Leibowitz*

**Fax:** (703) 841-3364

**E-mail:** mik\_leibowitz@nema.org

BSR/NEMA OS 2-201x, Nonmetallic Outlet Boxes, Device Boxes, Covers and Box Supports (revision of ANSI/NEMA OS 2-2008)

Stakeholders: Nonmetallic outlet box manufacturers, electrical inspectors, electrical installers.

Project Need: To provide expanded guidance for manufacturers on grounding aspects of nonmetallic boxed including ground wire retention and grounding straps when provided.

Covers general-purpose nonmetallic outlet boxes, device boxes, covers, and supports designed to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, and to provide a connection for rigid nonmetallic conduit, armored cable, metal clad cable, nonmetallic sheathed cable, flexible and liquid-tight nonmetallic conduit and knob-and-tube wiring systems.

**PMI (Project Management Institute)**

**Office:** 14 Campus Boulevard  
Newtown Square, PA 19073-3299

**Contact:** *Quynh Woodward*

**Fax:** 610-356-4647

**E-mail:** quynh.woodward@pmi.org

BSR/PMI 99-001-201x, A Guide to the Project Management Body of Knowledge - Fifth Edition (PMBOK Guide - Fifth Edition) (revision of ANSI/PMI 99-001-2008)

Stakeholders: Anyone interested in the project management profession such as senior executives, program managers, managers of projects, members of project management offices, functional managers with employees assigned to project teams, educators teaching project management related subjects, consultants and other specialists in project management and related fields, trainers developing project management educational programs, researchers analyzing project management, etc.

Project Need: The project management profession has matured over the past two years and the Standards needs to be updated to meet this maturation.

Provides a basic reference and the de facto global standard for the project management profession. The PMBOK (R) Guide identifies and describes the subset of the PMBOK (R) that is generally recognized as good practice. The team is currently forming with an expected completion date of 2008. Additional information can be obtained by contacting Quynh Woodward at quynh.woodward@pmi.org

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

**Office:** 15 Technology Parkway South  
Norcross, GA 30033

**Contact:** *Charles Bohanan*

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 421 om-xx, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To reinstate a previously withdrawn standard and to revise as needed.

Describes procedures that may be used for the qualitative determination and identification of the mineral constituents of filled and coated papers. Due to the similarity in chemical composition and physical size and shape of some of the various possible constituents contained in a given paper specimen, more precise quantitative methods may at times be required for positive identification. It is recommended that one become thoroughly familiar with this method by analyzing paper samples of known mineral component content.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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



# ISO 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 Rachel Howenstine at ANSI's New York offices (isot@ansi.org), those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

**ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears. IEC Drafts are available from IEC directly via their online store at <http://www.iec.ch>.**

## ISO Standards

### AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 11893, Space systems - Programme management - Project organization - 9/3/2010, \$53.00

ISO/DIS 14300-1, Space systems - Programme management - Part 1: Structuring of a project - 9/3/2010, \$107.00

### BUILDING CONSTRUCTION (TC 59)

ISO/DIS 21929-1, Sustainability in building construction - Sustainability indicators - Part 1: Framework for the development of indicators and a core set of indicators for buildings - 8/28/2010, \$107.00

### DENTISTRY (TC 106)

ISO/DIS 6875, Dental patient chair - 8/28/2010, \$53.00

ISO/DIS 7494-1, Dentistry - Dental units - Part 1: General requirements and test methods - 8/28/2010, \$46.00

### ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14051, Environmental management - Material flow cost accounting - General framework - 8/28/2010, \$107.00

### FLUID POWER SYSTEMS (TC 131)

ISO/DIS 6162-1, Hydraulic fluid power - Flange connections with split or one-piece flange clamps and metric or inch screws - Part 1: Flange connectors, ports and mounting surfaces for use at pressures of 3,5 MPa (35 bar) to 35 MPa (350 bar), DN 13 to DN 127 - 8/29/2010, \$77.00

ISO/DIS 6195, Fluid power systems and components - Cylinder-rod wiper-ring housings in reciprocating applications - Dimensions and tolerances - 8/28/2010, \$77.00

### GAS CYLINDERS (TC 58)

ISO/DIS 13088, Gas cylinders - Acetylene cylinder bundles - Filling conditions and filling inspection - 9/1/2010, \$62.00

### SAFETY OF MACHINERY (TC 199)

ISO/DIS 13849-2, Safety of machinery - Safety-related parts of control systems - Part 2: Validation - 8/28/2010, \$146.00

### TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 10315/DAMd1, Cigarettes - Determination of nicotine in smoke condensates - Gas-chromatographic method - Draft Amendment 1 - 8/29/2010, \$29.00

## WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 17654, Destructive tests on welds in metallic materials - Resistance welding - Pressure test on resistance seam welds - 8/28/2010, \$33.00

## IEC Standards

23A/606/FDIS, IEC 62444 Ed. 1: Cable glands for electrical installations, 07/30/2010

26/422/FDIS, IEC 60974-4 Ed.2: Arc welding equipment - Part 4: Periodic inspection and testing, 07/30/2010

77B/637/FDIS, IEC 61000-4-20 Ed.2: Electromagnetic Compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides, 07/30/2010

18/1166/FDIS, IEC 61892-1 Ed.2: Mobile and fixed offshore units - Electrical installations - Part 1: General requirements and conditions, 07/23/2010

18/1167/FDIS, IEC 61892-1 Ed.2: Mobile and fixed offshore units - Electrical installations - Part 5: Mobile units, 07/23/2010

34B/1544/FDIS, IEC 60061-4: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information - Amendment 13, 07/23/2010

3/1001/FDIS, IEC 61666: Industrial systems, installations and equipment and industrial products - Identification of terminals within a system - Proposed horizontal standard, 07/16/2010

9/1402/FDIS, IEC 62498-1 Ed.1: Railway applications - Environmental conditions for equipment - Part 1: Equipment on board rolling stock, 07/16/2010

9/1403/FDIS, IEC 62498-2 Ed.1: Railway applications - Environmental conditions for equipment - Part 2: Fixed electrical installations, 07/16/2010

9/1404/FDIS, IEC 62498-3 Ed.1: Railway applications - Environmental conditions for equipment - Part 3: Equipment for signalling and telecommunications, 07/16/2010

9/1405/FDIS, IEC 61881-1 Ed.1: Railway applications - Rolling stock equipment - Capacitors for power electronics - Part 1: Paper/plastic film capacitors, 07/16/2010

22F/221/FDIS, IEC 61975 Ed.1: High-Voltage Direct Current (HVDC) Installations System Tests, 07/16/2010

40/2046/FDIS, IEC 60939-1 Ed.3: Passive Filter Units for  
Electromagnetic Interference Suppression - Part 1: Generic  
specification, 07/16/2010

99/95/FDIS, IEC 61936-1 Ed.2: Power Installations Exceeding 1 kV AC  
- Part 1: Common rules, 07/16/2010

108/395/FDIS, IEC 60054-A2 Ed 7.0: Audio, video and similar  
electronic apparatus - Safety requirements, 07/16/2010

# Newly Published ISO and IEC Standards



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

## ISO Standards

### ERGONOMICS (TC 159)

ISO 20685:2010, 3-D scanning methodologies for internationally compatible anthropometric databases, \$98.00

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

ISO 13257:2010, Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling, \$57.00

ISO 13264:2010, Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics fittings - Test method for mechanical strength or flexibility of fabricated fittings, \$49.00

ISO 13268:2010, Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics shafts or risers for inspection chambers and manholes - Determination of ring stiffness, \$65.00

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

ISO 5457/Amd1:2010, Technical drawings - Sizes and layout of drawing sheets - Amendment 1, \$16.00

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

ISO 25119-1:2010, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development, \$110.00

ISO 25119-2:2010, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase, \$135.00

ISO 25119-3:2010, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software, \$157.00

ISO 25119-4:2010, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes, \$104.00

## ISO Technical Reports

### MACHINE TOOLS (TC 39)

ISO/TR 230-8:2010, Test code for machine tools - Part 8: Vibrations, \$206.00

## ISO Technical Specifications

### ERGONOMICS (TC 159)

ISO/TS 18152:2010, Ergonomics of human-system interaction - Specification for the process assessment of human-system issues, \$193.00

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

ISO/TS 29001:2010, Petroleum, petrochemical and natural gas industries - Sector-specific quality management systems - Requirements for product and service supply organizations, \$122.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 9798-3/Amd1:2010, Information technology - Security techniques - Entity authentication mechanisms - Part 3: Entity authentication using a public key algorithm - Amendment 1, \$16.00

## IEC Standards

### ALARM SYSTEMS (TC 79)

IEC 62599-1 Ed. 1.0 b:2010, Alarm systems - Part 1: Environmental test methods, \$158.00

IEC 62599-2 Ed. 1.0 b:2010, Alarm systems - Part 2: Electromagnetic compatibility - Immunity requirements for components of fire and security alarm systems, \$117.00

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

IEC 61937-11 Ed. 1.0 en:2010, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS, \$77.00

IEC 61937-12 Ed. 1.0 en:2010, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 12: Non-linear PCM bitstreams according to the DRA formats, \$66.00

IEC 62106 Ed. 2.0 en Cor.1:2010, Corrigendum 1 - Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 MHz to 108,0 MHz, Free

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

IEC 62562 Ed. 1.0 b:2010, Cavity resonator method to measure the complex permittivity of low-loss dielectric plates, \$97.00

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

IEC 60601-2-44 Ed. 3.0 b Cor.1:2010, Corrigendum 1 - Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography, Free

**ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)**

IEC 60364-4-42 Ed. 3.0 b:2010, Low-voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects, \$107.00

IEC 60364-4-44 Ed. 2.0 b Cor.1:2010, Corrigendum 1 - Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, \$Free

**FIBRE OPTICS (TC 86)**

IEC/TR 62362 Ed. 1.0 en:2010, Selection of optical fibre cable specifications relative to mechanical, ingress, climatic or electromagnetic characteristics - Guidance, \$97.00

IEC 60793-1-30 Ed. 2.0 en:2010, Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test, \$61.00

**FIRE HAZARD TESTING (TC 89)**

IEC 60695-6-1 Amd.1 Ed. 2.0 b:2010, Amendment 1 - Fire hazard testing - Part 6-1: Smoke obscuration - General guidance, \$66.00

**INSULATION CO-ORDINATION FOR LOW-VOLTAGE EQUIPMENT (TC 109)**

IEC 60664-3 Amd.1 Ed. 2.0 b:2010, Amendment 1 - Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution, \$31.00

**MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)**

IEC 61108-3 Ed. 1.0 en:2010, Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 3: Galileo receiver equipment - Performance requirements, methods of testing and required test results, \$204.00

**OTHER**

CISPR 11 Ed. 5.1 b:2010, Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, \$230.00

**PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)**

IEC/PAS 61338-1-5 Ed. 1.0 en:2010, Waveguide type dielectric resonators - Part 1-5: General information and test conditions - Measurement method of conductivity at interface between conductor layer and dielectric substrate at microwave frequency, \$97.00

**SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)**

IEC 60745-2-14 Amd.2 Ed. 2.0 b:2010, Amendment 2 - Hand-held motor-operated electric tools - Safety - Part 2-14: Particular requirements for planers, \$31.00

IEC 60745-2-19 Amd.1 Ed. 1.0 b:2010, Amendment 1 - Hand-held motor-operated electric tools - Safety - Part 2-19: Particular requirements for jointers, \$19.00

IEC 61029-2-12 Ed. 1.0 b:2010, Safety of transportable motor-operated electric tools - Part 2-12: Particular requirements for threading machines, \$61.00

**SEMICONDUCTOR DEVICES (TC 47)**

IEC 60747-1 Amd.1 Ed. 2.0 b:2010, Amendment 1 - Semiconductor devices - Part 1: General, \$19.00

IEC 62415 Ed. 1.0 b:2010, Semiconductor devices - Constant current electromigration test, \$56.00

**IEC Technical Specifications****AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)**

IEC/TS 62579 Ed. 1.0 en:2010, Multimedia home server systems - Conceptual model for domain management, \$143.00

**ELECTROMAGNETIC COMPATIBILITY (TC 77)**

IEC/TS 61000-3-5 Ed. 2.0 b Cor.2:2010, Corridendum 2 - Electromagnetic compatibility (EMC) - Part 3-5: Limits - Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 75 A, Free

# 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

---

## American National Standards

### INCITS Executive Board

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

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

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

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

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

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

## International Organization for Standardization (ISO)

### ISO Proposals for New Fields of ISO Technical Activity

#### Nutrition and Dietetics

##### Comment Deadline: July 2, 2010

KEBS (Kenya) has submitted to ISO a new work item proposal for the development of an ISO standard on Nutrition and Dietetics with the following scope:

Standardization in the field of nutrition and dietetics services, covering intervention programs, nutritional clinical practice, nutrition in emergency response, as well as preparation and serving of institutional and household foods, in particular, but not limited to terminology, nutrition assessment tools and methods, food measurements, and criteria for nutrition supplements, advertisements and promotions, and training in nutrition and dietetics.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by July 2, 2010.

### General Technical Rules for Determination of Energy Savings in Renovation Projects, Industrial Enterprises and Regions

#### Comment Deadline: July 2, 2010

SAC (China) has submitted to ISO a new work item proposal for the development of an ISO standard on General technical rules for determination of energy savings in renovation projects, industrial enterprises and regions with the following scope:

- Standardization of the general technical rules for measurement, calculation and verification of energy savings in renovation projects, industrial enterprises and regions.
- The standard specifies the general technical rules for measurement, calculation and verification of energy savings applicable in energy efficient renovation projects on existing or new building facilities, industrial utilities and processes.
- It also specifies the general technical rules for measurement, calculation and verification of energy savings of industrial enterprises. It can be used in evaluating energy efficient activities of industrial enterprises in voluntary or mandatory mechanisms. It may reduce the technical barriers in energy savings trade such as energy performance contracting.
- Finally, it is also applicable to determine the energy savings of regions which implementing energy efficient policies and measures, such as mandatory standards, tax rebates, subsidy programs, propagation programs and so on.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by July 2, 2010.

# ANSI Accreditation Program for Third Party Product Certification Agencies

## Request for Scope Extension

American TCB, Inc. (ATCB)

Comment Deadline: July 5, 2010

### American TCB, Inc. (ATCB)

6731 Whittier Avenue  
Suite C110  
McLean, VA 22101

American TCB, Inc. an ANSI accredited certification body has requested a scope extension of ANSI accreditation to include the following scopes:

#### OFTA Radio Equipment Specification (HKTA 10XX)

- OFTA HKTA 1001
- OFTA HKTA 1007
- OFTA HKTA 1008
- OFTA HKTA 1037
- OFTA HKTA 1039
- OFTA HKTA 1042
- OFTA HKTA 1051

Please send your comments by July 5, 2010 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: [figueir@ansi.org](mailto:figueir@ansi.org).

## Scope Extension

### North American Testing, LLC (NAT)

**North American Testing, LLC (NAT)**  
201 A Plank Road  
Norwalk, OH 44857

On May 28, 2010, the ANSI Accreditation Committee (ACC) voted to approve the scope extension for NAT for the following scope:

SCOPE: NSF/ANSI 46: Evaluation of Components and Devices Used in Wastewater Treatment Systems

## Meeting Notices

### Association of Challenge Course Technology (ACCT)

#### Consensus Group Meeting

The next meeting of the ACCT Consensus Group has been scheduled for the purpose of processing comments and draft standards for Proposed American National Standard BSR/ACCT 11-2006 for the Challenge Course Industry.

Meeting Date: July 13, 2010

Time: 11:00 am, Central time.

The meeting is open to the public. Persons wishing to attend this meeting are required to pre-register by contacting Bill Weaver, ACCT Professional Services Manager, [bill@acctinfo.org](mailto:bill@acctinfo.org), 800-991-0286 extension 913.

#### CGATS and the US TAG to ISO TC 130

A Joint Meeting of CGATS and the US TAG to ISO TC 130 will be held July 15-16, 2010 in Rochester, NY. This meeting is open to anyone having an interest. Users in the printing and publishing industry are especially encouraged to participate. For additional information, contact Debbie Orf, NPES, at [dorf@npes.org](mailto:dorf@npes.org) or (703) 264-7229.

BSR/ASHRAE/IESNA Addendum dq  
to ANSI/ASHRAE/IESNA Standard 90.1-2007

# Public Review Draft

ASHRAE® Standard

## Proposed Addendum dq to Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (May 2010)  
(Draft Shows Proposed Changes to  
Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, use the comment form and instructions provided with this draft. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ <http://www.ashrae.org> or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE web site @ <http://www.ashrae.org>.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© April 1, 2010. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: [standards.section@ashrae.org](mailto:standards.section@ashrae.org).

AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.  
1791 Tullie Circle, NE Atlanta GA 30329-2305





BSR/ASHRAE/IESNA Addendum dq to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
First Public Review Draft

**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## FOREWORD

*This addendum modifies the calculations found in Appendix C in order to reflect modifications to the modeling assumptions in the equations.*

**Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.**

## Addendum dq to 90.1-2007

---

*Revise the Standard as follows (I-P units)*

### NORMATIVE APPENDIX C METHODOLOGY FOR BUILDING ENVELOPE TRADE-OFF OPTION IN SUBSECTION 5.6

~~C5.6~~ *Envelope performance factor (EPF) is defined in the following equation.*

$$\text{Envelope Performance Factor} = \frac{\text{MBtu} \times 6600 + \text{kWh} \times 80}{\text{Total Building Floor Area}} \quad (\text{C-1})$$

*Subsequent equations to be editorially renumbered throughout the remaining sections of Appendix C.*

**C6.2 Envelope Performance Factor.** The EPF of a building shall be calculated using Equation C-21.

$$\text{EPF} = \text{FAF} \times [\Sigma \text{HVAC}_{\text{surface}} + \Sigma \text{Lighting}_{\text{zone}}] \quad (\text{C-21})$$

where

~~FAF~~ = floor area factor for the entire building

$\Sigma \text{HVAC}_{\text{surface}}$  = sum of HVAC for each surface calculated using Equation C-32

$\Sigma \text{Lighting}_{\text{zone}}$  = sum of lighting for each zone calculated using Equation C-43

Variable	Description	I-P Units
<del>CFA</del>	<del>Conditioned floor area</del>	<del>ft<sup>2</sup></del>
<del>FAF</del>	<del>Building floor area factor</del>	<del>1000/CFA, ft<sup>2</sup></del>

*No other changes to Table C6.1.*

*In the remaining sections only the equations change, no other text changes.*

BSR/ASHRAE/IESNA Addendum dq to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
First Public Review Draft

**C6.3 HVAC.** The HVAC term for each *exterior* or *semi-exterior* surface in the building shall be calculated using Equation C-32.

$$\text{HVAC}_{\text{surface}} = 0.0939 \times \text{COOL} + 1.22 \times \text{HEAT} \quad (\text{C-32})$$

**C6.4 Lighting.** The lighting term for each zone in the building as defined in Section C4 shall be calculated using Equation C-43.

$$\text{Lighting}_{\text{zone}} = \text{LPD}_{\text{adj}_{\text{zone}}} \times \text{AREA}_{\text{zone}} \times 216 \frac{2700}{1000} \times 0.0939 \quad (\text{C-43})$$

**C6.8.2 Cooling Factor.** The cooling factor for the surfaces in the zone shall be calculated using Equation C-143.

$$\text{COOL} = 0.005447 \frac{1000}{(1200 \times 12.24)} \times [\text{CLU} + \text{CLUO} + \text{CLXUO} + \text{CLM} + \text{CLG} + \text{CLS} + \text{CLC}] \quad (\text{C-143})$$

**C6.8.3 Heating Factor.** The heating factor for the surfaces in the zone shall be calculated using Equation C-165.

$$\text{HEAT} = 0.007669 \frac{10}{(1200 \times 0.608488)} \times [\text{HLU} + \text{HLUO} + \text{HLXUO} + \text{HLM} + \text{HLG} + \text{HLS} + \text{HLC}] \quad (\text{C-165})$$

**C6.9 Skylights in the Exterior Building Envelope.** HEAT and COOL shall be calculated for *skylights* in *nonresidential conditioned* and *residential conditioned* zones using Equations C-187 and C-198.

$$\text{HEAT} = \text{Area}_{\text{sky}} \times \text{HDD65} \times 0.66 \times (\text{H}_2 \times U_{\text{sky}} + \text{H}_3 \times 1.163 \times \text{SHGC}/0.86) \quad (\text{C-187})$$

$$\text{COOL} = \text{Area}_{\text{sky}} \times \text{C}_2 \times \text{CDD50} \times 0.093 \times \text{SHGC}/0.86 \quad (\text{C-198})$$

**C6.10.3 Calculation of COOL and HEAT.** COOL and HEAT shall be calculated for each surface using Equations C-221 and C-232 and coefficients from Table C6.10.2, which depend on surface classification and *space-conditioning category*.

$$\text{COOL} = \text{Size} \times \text{Factor} \times 0.08 \times (\text{Ccoef1} \times \text{CDD50} + \text{Ccoef2}) \quad (\text{C-221})$$

$$\text{HEAT} = \text{Size} \times \text{Hcoef} \times \text{Factor} \times \text{HDD65} \times 0.66 \quad (\text{C-232})$$

BSR/ASHRAE/IESNA Addendum dq to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
First Public Review Draft

Revise the Standard as follows (SI units)

## NORMATIVE APPENDIX C METHODOLOGY FOR BUILDING ENVELOPE TRADE-OFF OPTION IN SUBSECTION 5.6

~~C5.6~~ Envelope performance factor (EPF) is defined in the following equation:

$$\text{Envelope Performance Factor} = \frac{\text{MBtu} \times 6600 + \text{kWh} \times 80}{\text{Total Building Floor Area}} \quad (\text{C-1})$$

Subsequent equations to be editorially renumbered throughout the remaining sections of Appendix C.

**C6.2 Envelope Performance Factor.** The EPF of a building shall be calculated using Equation C-21.

$$\text{EPF} = \text{FAF} \times [\Sigma \text{HVAC}_{\text{surface}} + \Sigma \text{Lighting}_{\text{zone}}] \quad (\text{C-21})$$

where

~~FAF~~ = floor area factor for the entire building

$\Sigma \text{HVAC}_{\text{surface}}$  = sum of HVAC for each surface calculated using Equation C-32

$\Sigma \text{Lighting}_{\text{zone}}$  = sum of lighting for each zone calculated using Equation C-43

TABLE C6.1 Input Variables		
Variable	Description	SI Units
<del>CFA</del>	<del>Conditioned floor area</del>	<del>m<sup>2</sup></del>
<del>FAF</del>	<del>Building floor area factor</del>	<del>10764/CFA, m<sup>2</sup></del>

No other changes to Table C6.1.

In the remaining sections only the equations change, no other text changes.

**C6.3 HVAC.** The HVAC term for each exterior or semi-exterior surface in the building shall be calculated using Equation C-32.

$$\text{HVAC}_{\text{surface}} = 0.0939 \times \text{COOL} + 1.16 \times \text{HEAT} \quad (\text{C-32})$$

**C6.4 Lighting.** The lighting term for each zone in the building as defined in Section C4 shall be calculated using Equation C-43.

$$\text{Lighting}_{\text{zone}} = \text{LPD}_{\text{adj zone}} \times \text{AREA}_{\text{zone}} \times 216 \times 2700 \times 0.0939 \quad (\text{C-43})$$

**C6.8.2 Cooling Factor.** The cooling factor for the surfaces in the zone shall be calculated using Equation C-143.

$$\text{COOL} = 0.005447 \frac{1,000 \times 10.8}{(1200 \times 12.24)} \times [\text{CLU} + \text{CLUO} + \text{CLXUO} + \text{CLM} + \text{CLG} + \text{CLS} + \text{CLC}] \quad (\text{C-143})$$

**C6.8.3 Heating Factor.** The heating factor for the surfaces in the zone shall be calculated using Equation C-165.

$$\text{HEAT} = 0.007669 \frac{1,000,000 \times 10.8 \times 1.055}{(1200 \times 0.608488)} \times [\text{HLU} + \text{HLUO} + \text{HLXUO} + \text{HLM} + \text{HLG} + \text{HLS} + \text{HLC}] \quad (\text{C-165})$$

**C6.9 Skylights in the Exterior Building Envelope.** HEAT and COOL shall be calculated for skylights in nonresidential conditioned and residential conditioned zones using Equations C-187 and C-198.

$$\text{HEAT} = \text{Area}_{\text{sky}} \times \text{HDD65} \times 0.66 \times (H_2 \times U_{\text{sky}} + H_3 \times 1.163 \times \text{SHGC}/0.86) \quad (\text{C-187})$$

$$\text{COOL} = \text{Area}_{\text{sky}} \times C_2 \times \text{CDD50} \times 0.093 \times \text{SHGC}/0.86 \quad (\text{C-198})$$

BSR/ASHRAE/IESNA Addendum dq to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
First Public Review Draft

**C6.10.3 Calculation of COOL and HEAT.** COOL and HEAT shall be calculated for each surface using Equations C-221 and C-232 and coefficients from Table C6.10.2, which depend on surface classification and *space-conditioning category*.

$$\text{COOL} = \text{Size} \times \text{Factor} \times \del{0.08} \times (\text{Ccoef1} \times \text{CDD50} + \text{Ccoef2}) \quad (\text{C-}\del{221})$$

$$\text{HEAT} = \text{Size} \times \text{Hcoef} \times \text{Factor} \times \text{HDD65} \times \del{0.66} \quad (\text{C-}\del{232})$$

BSR/ASHRAE/IESNA Addendum dr  
to ANSI/ASHRAE/IESNA Standard 90.1-2007

# Public Review Draft

ASHRAE® Standard

## Proposed Addendum dr to Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (May 2010)  
(Draft Shows Proposed Changes to  
Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, use the comment form and instructions provided with this draft. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ <http://www.ashrae.org> or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE web site @ <http://www.ashrae.org>.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© April 1, 2010. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: [standards.section@ashrae.org](mailto:standards.section@ashrae.org).

AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.  
1791 Tullie Circle, NE Atlanta GA 30329-2305



BSR/ASHRAE/IESNA Addendum dr to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
First Public Review Draft

**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## **FOREWORD**

*The original purpose for this provision was to limit the use of inefficient lighting sources for high wattage applications when there was not a comprehensive table of exterior LPD limits. With the table of requirements now in the 2007 and beyond versions of the standard, the need for this limit is superseded.*

**Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.**

## **Addendum dr to 90.1-2007**

---

*Revise the Standard as follows (I-P and SI units)*

*Remove section 9.4.4 and renumber other sections as needed editorially*

**~~9.4.4 Exterior Building Grounds Lighting.~~** All exterior building grounds luminaires that operate at greater than 100 W shall contain lamps having a minimum efficacy of 60 lm/W unless the luminaire is controlled by a motion sensor or qualifies for one of the exceptions under Section 9.1.1 or 9.4.5.

**BSR/NECA 305-201x****3.2 Documents**

Have access to the following

- a) Approved shop drawings

**4.3 Enclosure Installation**

The general procedures listed below ~~should~~ shall be used when installing a back box, unless manufacturer's instructions are different. If the enclosure is shipped separately, some steps can be omitted. Manufacturers provide specific installation instructions with the fire alarm control unit or empty enclosure.

- j) Store the shipping container in a safe, secure, clean, and dry location until system field wiring is completed, and job conditions permit mounting the electronics and door. The control unit will be reassembled after installation of the system wiring and field devices.
- k) Fire alarm control unit enclosures may be installed surface, semi-flush, or flush mounted, according to manufacturers' instructions and Contract Documents.

**6.4.2 Installation Guidelines**

- b) Select a mounting location for the supply air duct detector or detector sampling tubes downstream of the fan and filters and ahead of any branch connections in the supply air duct.
- g) Insert the sampling tubes with the holes of the inlet tube facing the airstream. For tubes longer than 3 feet, support internally or pass through the duct. If the tube protrudes through the other side of the duct, seal the exit hole in the duct and seal the end of the tube. See Figure 10.
- i) Select a mounting location for the return air duct detector or detector sampling tubes at each story prior to the connection to a common return and prior to any recirculation or fresh air inlet connection in the air return system. This is usually above a dropped-ceiling. See Figure 12.

**6.9.2 Installation Guidelines**

- a) Install notification appliances on the ceiling or wall. Where wall-mounted, the lens of the appliance ~~should~~ shall be not less than 2.0 m (80 in.) and not greater than 2.4 m (96 in.) above the floor, unless the mounting height is specified on engineered drawings. Visible notification appliances listed for ceiling mounting must be mounted or suspended at or below 9.14 m (30 ft).

This document is part of the NSF International Standards process and is for NSF Committee uses only. It shall not be reproduced, or circulated, or quoted, in whole or in part, outside of NSF activities, except with the approval of NSF.

**[Note – the changes are seen below using strikethrough for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.]**

NSF/ANSI Standard  
for Drinking Water Additives —

## Drinking water treatment chemicals – Health effects

- 
- 
- 

### 3 General Requirements

- 
- 
- 

#### 3.9 Product Security

Products certified under this standard shall be protected to maintain the quality required by this standard. Reasonable, effective measures shall be made to control access to products at all points of manufacturing, blending, diluting, packaging, repackaging, storage, shipping and handling and to provide the manufacturer and the purchasing user of product with the ability to detect tampering.

**3.9.1 Definition of tamper-evident packaging** - Packaging having one or more indicators or barriers to entry which, if breached or missing, can reasonably be expected to provide visible evidence that tampering has occurred.

**3.9.2 Security requirements for packaged products** – Packaged product shall be stored, shipped, and delivered in tamper-evident packaging as defined in Section 3.9.1. Properly constructed, labeled, and sealed multi-wall containers such as bags and fiber drums constitute two forms of acceptable tamper-evident packaging.

**3.9.2.1 Bags and super sacks** - Packages for product shipped without reusable openings shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. The packages shall employ unique printed markings (e.g., manufacturer's name, trademark, logo, etc.) so that the packaging cannot be readily duplicated.

**3.9.2.2 Drums and small containers** - Drums and small containers used for product shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. Openings in the containers shall be sealed with tamper-evident seals with unique printed markings (e.g., manufacturer's name, trademark, logo, etc.) so that once opened, the tamper-evident feature of the seal cannot be restored nor readily duplicated.



**3.9.3 Security requirements for bulk shipments** - Bulk shipping containers shall have tamper protection provided at all openings capable of loading or unloading chemicals. Vents shall have tamper protection provided unless they are protected by construction that makes them incapable of receiving chemicals. Bulk quantities of product shall be secured during storage and distribution by employing one or more of the following security measures. These requirements are applicable to a single load delivered to one or multiple locations.

**3.9.3.1 Tamper-evident seals** - Bulk shipping containers may be sealed with a uniquely numbered, non-reusable, tamper-evident seal on each opening in the shipping container. If tamper-evident seals are used, the seals shall remain in place until removed at the point of delivery. Seal numbers shall be recorded and disclosed on shipping documents provided to the purchaser at the time of delivery and kept available for review by the certification body.

**3.9.3.2 Chain of custody** - A continuous chain of custody may be used to document secure distribution of product. Maintaining a continuous chain of custody requires that the product is under the control of responsible individuals, that direct access to the product is restricted to those individuals, and that the shipping container is sealed or locked at all times during shipping. If chain of custody is used, a copy of a completed, signed chain of custody form showing continuous and secure custody between the certification holder and purchaser shall be provided to the purchaser at the time of delivery and kept available for review by the certification body.

**3.9.3.3 Alternative method** - An alternative method or methods agreed upon by the certification holder and the purchaser may be used for bulk shipments if the alternative method provides protection against tampering that is equivalent to this standard. If alternative methods are used, the agreement with the purchaser and description of the alternative methods shall be in written form and kept available for review by the certification body.

**3.9.4 Tamper-evident integrity** – The tamper-evident features employed on all product packaging, seals, and bulk shipping containers shall be designed to remain intact when handled in a reasonable manner during manufacture, storage, shipment and delivery to the purchaser.

- 
- 
- 

*Notes to reviewers:*

1. *The DWA Task Group on Conformity Assessment (formerly Annual Recertification Task Group) developed this proposed section for consideration by the Joint Committee on Drinking Water Additives to address issues related to product security and potential tampering.*

2. *The proposed section is based on tamper-evident language from AWWA, 2009 and the Code of Federal Regulations - 21 CFR 211.132, Tamper-Evident Packaging Requirements for Over-the-Counter (OTC) Human Drug Products. Both of these source documents are posted on the NSF workspace for convenience.*

This document is part of the NSF International Standards process and is for NSF Committee uses only. It shall not be reproduced, or circulated, or quoted, in whole or in part, outside of NSF activities, except with the approval of NSF. The language of this document has not been formally accepted for distribution by NSF and is under consideration at the task group level.

## NSF International Standard for Food Equipment — Glossary of food equipment terminology

### 3 Definitions

.  
.  
.

**3.5 auxiliary rinse:** Recirculated water pumped from a tank or sump and sprayed onto dishes after the wash or pumped rinse cycle and before the ~~final~~ sanitizing rinse is applied.

.  
.  
.

**3.55 dishwashing machine:** A machine designed to clean and sanitize plates, glasses, cups, bowls, utensils, and trays by applying sprays of a detergent solution (with or without blasting media granules) and a sanitizing ~~final~~ rinse.

.  
.  
.

**3.71 ~~final~~ chemical sanitizing rinse:** A solution of chemical sanitizing agent and water that is sprayed onto cleaned dishes to achieve sanitization.

**3.72 ~~final~~ hot water sanitizing rinse:** Water that is heated and sprayed onto cleaned dishes to achieve sanitization.

**3.73 ~~final~~ post-sanitizing rinse:** Using sprays of fresh, potable water according to NSF/ANSI 3 applied after the ~~final~~ sanitizing step.

**3.XX ~~final~~ sanitizing rinse:** A solution of water that is either heated or uses chemical sanitizing agent and is sprayed onto cleaned dishes to achieve sanitization.

## BSR/UL 2335

Table 5.1

## Acceptance criteria

Test	Description	Acceptance criteria				
		Method A (2 x 3 array)		Method B (2 x 7 array)		
Idle Pallet Storage Test	Number of activated sprinklers	6 or less		6 or less		
	Steel angle temperature	Maximum 1 minute average to be less than 200°F (93°C)		Maximum 1 minute average to be less than 200°F (93°C)		
	<u>Time for 30 seconds of continuous flame breach at any side of the array after ignition. spread to each end of array</u>	Vertical Plane A, see Figure 3.1	Vertical Plane B, see Figure 3.1	Vertical Plane A, see Figure 3.1.1	Vertical Plane B, see Figure 3.1.1	
		Greater than 7 minutes	Greater than 7 minutes <sup>a</sup>	Greater than 7 minutes	Greater than 30 minutes <sup>a</sup> (test duration)	
Commodity storage test	Commodity classification	The average rank of the three tests shall not be greater than 2.25.				
	Stack stability	The test commodity shall not fall outside the rack storage array for the first 10 minutes after the application of the water.				
<sup>a</sup> In addition to flame spread for entire vertical plane B, temperatures measured at the vertical end plane of the longitudinal flue space shall be less than 1112°F (600°C) for the duration specified (see 3.3.5.1).						