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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: May 9, 2010

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

Addenda

BSR/ASHRAE/IES Addendum ck to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Allows for more flexibility in meeting energy recovery requirements by simply referencing the Standard 62.1 definition of system ventilation efficiency and not the variables used in the Standard 62.1 multiple-spaces equation.

[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 db to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Provides an exception for certain systems serving laboratory spaces from the design airflow rate requirement in Appendix G. In addition, this standard clarifies that the system fan power shall have the same proportion as in the proposed design.

[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 de to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Splits the "generic lobby" from common elevator lobbies and adjusts the LPDs to reflect specific space needs. In addition, this removes the fitness center audience seating.

[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 df to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Takes a first step in addressing ventilation and cab lighting in elevators regardless of occupancy.

[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 dg to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds a definition for the term "field-fabricated fenestration", used in Section 5.4.3.2, consistent with an official interpretation approved by SSPC 90.1 and similar language in California's Title 24.

[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 dh to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Clarifies the credit for on-site renewable energy and site recovered energy in Section 11 and Appendix G.

[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 di to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Sets requirements for parking garage ventilation.

[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 dk to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds clarity and instruction to the users of Appendix C, the envelope trade-off option, for new skylighting and daylighting requirements that were added in addendum al, bc, and bn.

[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 dl to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Gives instruction to the users of Appendix C, the envelope trade-off option, on how to model the base envelope design, and users of the proposed envelope design, on how to comply with the cool roof provisions of Section 5.

[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 do to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Attempts to establish clearly the goals and requirements of the lighting system, including controls, and to ensure that the owner is provided all the information necessary to best use and maintain the lighting systems.

[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

IIAR (International Institute of Ammonia Refrigeration)

Revisions

BSR/IIAR 2-201x, Equipment, Design, and Installation of Closed-Circuit Ammonia Mechanical Refrigerating Systems (revision of ANSI/IIAR 2-2008)

Makes substantive changes to addendum A, subsequent to the first public review of the addendum.

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

Send comments (with copy to BSR) to: Eric Smith, 703-312-4200,
eric.smith@iiar.org

NECA (National Electrical Contractors Association)

Revisions

BSR/NECA 230-201x, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2003)

Describes recommended procedures for selecting and installing stationary electric motors and motor controllers rated 600 volts or less. This standard also covers routine maintenance procedures to be followed after the installation is complete.

[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 50-201x (i55), Equipment for Swimming Pools, Spas/Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2009a)

Issue 55 - Updates the language relating to required levels of residual disinfectants for use with process equipment in Sections 12, 13, and 16.

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

Send comments (with copy to BSR) to: Mindy Costello, (734) 827-6819,
mcostello@nsf.org

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 136-201x, Pressure Cookers (revision of ANSI/UL 136-2009)

Revises the Pressure-Relief Operation Test for Secondary or Emergency Relief Devices, Subsection 8.2.

[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

BSR/UL 1076-201x, Standard for Safety for Proprietary Burglar Alarm Units and Systems (revision of ANSI/UL 1076-2004)

Corrects the message authentication requirement in 61A.6.

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

Send comments (with copy to BSR) to: Megan Sepper, (847) 664-3411,
Megan.M.Sepper@us.ul.com

Comment Deadline: May 24, 2010

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoptions

BSR/AAMI/ISO 10993-3-201x, Biological evaluation of medical devices - Part 3: Tests for genotoxicity, carcinogenicity and reproductive toxicity (identical national adoption and revision of ANSI/AAMI/ISO 10993-3-2003 (R2009))

Specifies strategies for hazard identification and tests on medical devices for genotoxicity, carcinogenicity, and reproductive and developmental toxicity. Applicable when the need to evaluate a medical device for potential genotoxicity, carcinogenicity, or reproductive toxicity has been established.

Single copy price: \$20.00 for AAMI members, \$25.00 for list [Print]; Free for AAMI members, \$25.00 for list

Obtain an electronic copy from: <http://marketplace.aami.org>

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

Send comments (with copy to BSR) to: Sonia Balboni, (703) 525-4890,
sbalboni@aami.org

BSR/AAMI/ISO 11663-201x, Quality of dialysis fluid for haemodialysis and related therapies (identical national adoption and revision of ANSI/AAMI RD52:2004 and Amendments)

Specifies minimum requirements for dialysis fluids used for haemodialysis and haemodiafiltration, including substitution solution for haemodiafiltration and haemofiltration. This standard does not address the requirements for the water and concentrates used to prepare dialysis fluid or the equipment used in its preparation.

Single copy price: \$40.00 for AAMI members [Print/PDF]; \$80.00 for List [Print/PDF]

Obtain an electronic copy from: www.aami.org

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

Send comments (with copy to BSR) to: Cliff Bernier, (703) 525-4890x229, CBernier@aami.org

BSR/AAMI/ISO 23500-201x, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies (identical national adoption and revision of ANSI/AAMI RD52-2004 & Amendments)

Covers the appropriate prescription of dialysate, handling of concentrates, operation of water treatment equipment and handling of its product water, monitoring of systems and the dialysate produced, and risks and hazards of dialysate preparation failure. This standard presents a systems diagram and explanation for the production, monitoring, and use of dialysate for hemodialysis in the facility.

Single copy price: \$20.00 for AAMI members; \$25.00 for List

Obtain an electronic copy from: www.aami.org

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

Send comments (with copy to BSR) to: Cliff Bernier, (703) 525-4890x229, CBernier@aami.org

AGA (ASC Z380) (American Gas Association)

Revisions

BSR GPTC Z380.1-2009 TR09-09-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI GPTC Z380.1-2009)

Revises the Guide Material in 192.3 and GMA G-192-8 regarding the EMS definition. This standard provides guidance to operators of natural gas and LP pipeline systems regarding U.S. DOT regulations CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

BSR GPTC Z380.1-2009 TR10-01-200x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI GPTC Z380.1-2009)

Revises the Guide Material in GMA G-192-8 to reflect PHMSA's final rule on Distribution Integrity Management Program (DIMP). This standard provides guidance to operators of natural gas and LP pipeline systems regarding U.S. DOT regulations CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

Send comments (with copy to BSR) to: Same

AMT (ASC B11) (Association for Manufacturing Technology)

Revisions

BSR B11-201x, Safety of Machinery - General Requirements and Risk Assessment (revision of ANSI B11-2008)

Applies to new, modified, or rebuilt power-driven machines, not portable by hand, used to shape and/or form metal or other materials by cutting, impact, pressure, electrical or other processing techniques, or a combination of these processes. This can be a single machine or a machinery system(s). Other industry sectors may benefit from applying this standard.

Single copy price: \$45.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (703) 827-5211, dfelinski@b11standards.org

Send comments (with copy to BSR) to: Same

ANS (American Nuclear Society)

Reaffirmations

BSR/ANS 57.9-1992 (R201x), Design Criteria for an Independent Spent Fuel Storage Installation (Dry Type) (reaffirmation of ANSI/ANS 57.9-1992 (R2000))

This standard is intended to be used by the owner and operator of a dry storage-type independent spent fuel storage installation in specifying the design requirements and by the designer in meeting the minimum requirements of such installations.

Single copy price: \$138.00

Obtain an electronic copy from: orders@ans.org

Order from: Sue Cook, (708) 579-8210, orders@ans.org

Send comments (with copy to BSR) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

API (American Petroleum Institute)

New National Adoptions

BSR/API Standard 610-201x, Centrifugal Pumps for Petroleum, Petrochemical and Natural Gas Industries (identical national adoption and revision of ANSI/API 610-2002)

Specifies requirements for centrifugal pumps for use in petroleum, petrochemical, and gas industry process services. Applicable to overhung pumps, between-bearing pumps, and vertically suspended pumps.

Single copy price: Free

Obtain an electronic copy from: mensingt@api.org

Order from: Tiffany Mensing, (202) 682-8190, mensingt@api.org

Send comments (with copy to BSR) to: Same

APSP (Association of Pool and Spa Professionals)

Revisions

BSR/APSP 5-201x, Standard for Residential Inground Swimming Pools (revision and redesignation of ANSI/NPSI 5-2003)

Applies to installed residential inground swimming pools intended for non-commercial use as a swimming pool by not more than three owner families and their guests and exceeding 24 inches (61.0 cm) in water depth

Single copy price: \$10.00

Obtain an electronic copy from: bcrenshaw@apsp.org

Order from: Bernice Crenshaw, (703) 838-0083 x150, bcrenshaw@APSP.org

Send comments (with copy to BSR) to: Same

ASC X9 (Accredited Standards Committee X9, Incorporated)

Withdrawals

ANSI X9.65-2004, Triple Data Encryption Standard (TDEA) Implementation Standard (withdrawal of ANSI X9.65-2004)

Specifies methodologies for the implementation of ANSI X9.52, Triple Data Encryption Algorithm (TDEA) Modes of Operations, for the enhanced cryptographic protection of digital information. The modes of operation defined in ANSI X9.52 are specified for both enciphering and deciphering operations. These modes provide a means of extending the effective key space of the ANSI X3.92 Data Encryption Algorithm (DEA). ANSI X9.52 provides multiple modes of operation. This standard will assist system integrators to select and implement the appropriate mode for their organizations.

Single copy price: \$60.00

Obtain an electronic copy from: janet.busch@x9.org

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

Send comments (with copy to BSR) to: Same

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

Addenda

BSR/ASHRAE/IES Addendum dj to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Limits the fan energy allowance for energy recovery devices to values that approximate the results of the economic analysis, with some allowance to permit adequate pressure drop for products near the minimum recovery effectiveness of 50%. A separate allowance is also created for coil runaround loop systems.

Single copy price: Free

Obtain an electronic copy from: www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

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BSR/ASHRAE/IES Addendum dn to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Shows changes in Appendix G relative to Addendum cj (computer rooms) to 90.1-2007.

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Order from: standards.section@ashrae.org

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ASTM (ASTM International)

The URL to search for scopes of ASTM standards is:

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

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

For new standards and revisions, order from: Karen Wilson, ASTM;
kwilson@astm.org

For all ASTM standards, send comments (with copy to BSR) to:
Karen Wilson, ASTM; kwilson@astm.org

Revisions

BSR/ASTM D1655-201x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2009A)

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM D1675-201x, Test Methods for Polytetrafluoroethylene Tubing (revision of ANSI/ASTM D1675-2003)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D1830-201x, Test Method for Thermal Endurance of Flexible Sheet Materials Used for Electrical Insulation by the Curved Electrode Method (revision of ANSI/ASTM D1830-1999 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D2301-201x, Specification for Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape (revision of ANSI/ASTM D2301-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D2307-201x, Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire (revision of ANSI/ASTM D2307-2007)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D2754-201x, Specification for High-Temperature Glass Cloth Pressure-Sensitive Electrical Insulating Tape (revision of ANSI/ASTM D2754-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D2903-201x, Specification for Crosslinked Chlorinated Polyolefin Heat-Shrinkable Tubing for Electrical Insulation (revision of ANSI/ASTM D2903-2003)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D3005-201x, Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape (revision of ANSI/ASTM D3005-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D3006-201x, Specification for Polyethylene Plastic Pressure-Sensitive Electrical Insulating Tape (revision of ANSI/ASTM D3006-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D3240-201x, Test Method for Undissolved Water in Aviation Turbine Fuels (revision of ANSI/ASTM D3240-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D4565-201x, Test Methods for Physical and Environmental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable (revision of ANSI/ASTM D4565-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM D5637-201x, Test Method for Moisture Resistance of Electrical Insulating Varnishes (revision of ANSI/ASTM D5637-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D6615-201x, Specification for Jet B Wide-Cut Aviation Turbine Fuel (revision of ANSI/ASTM D6615-2006)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D7223-201x, Specification for Aviation Certification Turbine Fuel (revision of ANSI/ASTM D7223-2009)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D7566-201x, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2009)

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM E141-201x, Practice for Acceptance of Evidence Based on the Results of Probability Sampling (revision of ANSI/ASTM E141-1997 (R2003))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM E329-201x, Specification for Agencies Engaged in Construction Inspection and/or Testing (revision of ANSI/ASTM E329-2009)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM E541-201x, Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building (revision of ANSI/ASTM E541-2008)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM E2586-201x, Practice for Calculating and Using Basic Statistics (revision of ANSI/ASTM E2586-2007)

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM E2709-201x, Practice for Demonstrating Capability to Comply with a Lot Acceptance Procedure (revision of ANSI/ASTM E2709-2009)

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM F1057-201x, Practice for Estimating the Quality of Extruded Poly(Vinyl Chloride (PVC) Pipe by the Heat Reversion Technique (revision of ANSI/ASTM F1057-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM F2140-201x, Test Method for Performance of Hot Food Holding Cabinets (revision of ANSI/ASTM F2140-2001 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM F2331-201x, Test Method for Determining Chemical Compatibility of Thread Sealants with Thermoplastic Threaded Pipe and Fittings Materials (revision of ANSI/ASTM F2331-2004)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM F2562-201x, Specification for Steel Reinforced Thermoplastic Ribbed Pipe and Fittings for Non-Pressure Drainage and Sewerage (revision of ANSI/ASTM F2562/F2562M-2008)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM SI 10 WK27707 SI 10 IEEE-201x, Standard for Use of the International System of Units (SI): The Modern Metric System (revision of ANSI/IEEE/ASTM SI 10-2002)

http://www.astm.org/ANSI_SA

Single copy price: \$65.00

Reaffirmations

BSR/ASTM C559-2000 (R201x), Test Method for Bulk Density by Physical Measurements of Manufactured Carbon and Graphite Articles (reaffirmation of ANSI/ASTM C559-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C560-2005 (R201x), Test Methods for Chemical Analysis of Graphite (reaffirmation of ANSI/ASTM C560-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM C561-2000 (R201x), Test Method for Ash in a Graphite Sample (reaffirmation of ANSI/ASTM C561-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C562-2000 (R201x), Test Method for Moisture in a Graphite Sample (reaffirmation of ANSI/ASTM C562-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C611-2005 (R201x), Test Method for Electrical Resistivity of Manufactured Carbon and Graphite Articles at Room Temperature (reaffirmation of ANSI/ASTM C611-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM C625-2000 (R201x), Practice for Reporting Irradiation Results on Graphite (reaffirmation of ANSI/ASTM C625-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C651-2000 (R201x), Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Four-Point Loading at Room Temperature (reaffirmation of ANSI/ASTM C651-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C662-2005 (R201x), Specification for Impervious Graphite Pipe and Threading (reaffirmation of ANSI/ASTM C662-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C695-2000 (R201x), Test Method for Compressive Strength of Carbon and Graphite (reaffirmation of ANSI/ASTM C695-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C714-2005 (R201x), Test Method for Thermal Diffusivity of Carbon and Graphite by Thermal Pulse Method (reaffirmation of ANSI/ASTM C714-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C747-2005 (R201x), Test Method for Moduli of Elasticity and Fundamental Frequencies of Carbon and Graphite Materials by Sonic Resonance (reaffirmation of ANSI/ASTM C747-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM C748-2005 (R201x), Test Method for Rockwell Hardness of Graphite Materials (reaffirmation of ANSI/ASTM C748-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C749-2008 (R201x), Test Method for Tensile Stress-Strain of Carbon and Graphite (reaffirmation of ANSI/ASTM C749-2008)

http://www.astm.org/ANSI_SA

Single copy price: \$44.00

BSR/ASTM C783-2000 (R201x), Practice for Core Sampling of Graphite Electrodes (reaffirmation of ANSI/ASTM C783-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C808-2000 (R201x), Guide for Reporting Friction and Wear Test Results of Manufactured Carbon and Graphite Bearing and Seal Materials (reaffirmation of ANSI/ASTM C808-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM C816-2005 (R201x), Test Method for Sulfur in Graphite by Combustion-Iodometric Titration Method (reaffirmation of ANSI/ASTM C816-2005)

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM C838-2001 (R201x), Test Method for Bulk Density As-Manufactured Carbon and Graphite Shapes (reaffirmation of ANSI/ASTM C838-2001 (R2005))

http://www.astm.org/ANSI_SA

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BSR/ASTM C1025-2000 (R201x), Test Method for Modulus of Rupture in Bending of Electrode Graphite (reaffirmation of ANSI/ASTM C1025-2000 (R2005))

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BSR/ASTM C1039-2000 (R201x), Test Methods for Apparent Porosity, Apparent Specific Gravity, and Bulk Density of Graphite Electrodes (reaffirmation of ANSI/ASTM C1039-2000 (R2005))

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BSR/ASTM C1179-2000 (R201x), Test Method for Oxidation Mass Loss of Manufactured Carbon and Graphite Materials in Air (reaffirmation of ANSI/ASTM C1179-2000 (R2005))

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BSR/ASTM D982-2006 (R201x), Test Method for Organic Nitrogen in Paper and Paperboard (reaffirmation of ANSI/ASTM D982-2006)

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BSR/ASTM D1039-1999 (R201x), Test Methods for Glass-Bonded Mica Used as Electrical Insulation (reaffirmation of ANSI/ASTM D1039-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D1305-1999 (R201x), Specification for Electrical Insulating Paper and Paperboard - Sulfate (Kraft) Layer Type (reaffirmation of ANSI/ASTM D1305-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D2413-2000 (R201x), Practice for Preparation of Insulating Paper and Board Impregnated with a Liquid Dielectric (reaffirmation of ANSI/ASTM D2413-2000 (R2005))

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BSR/ASTM D3056-2005 (R201x), Test Method for Gel Time of Solventless Varnishes (reaffirmation of ANSI/ASTM D3056-2005)

http://www.astm.org/ANSI_SA

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BSR/ASTM D3376-2000 (R201x), Test Methods of Sampling and Testing Pulps to be Used in the Manufacture of Electrical Insulation (reaffirmation of ANSI/ASTM D3376-2000 (R2005))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

BSR/ASTM D3394-1994 (R201x), Test Methods for Sampling and Testing Electrical Insulating Board (reaffirmation of ANSI/ASTM D3394-1994 (R2005))

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BSR/ASTM D4063-1999 (R201x), Specification for Pressboard for Electrical Insulating Purposes (reaffirmation of ANSI/ASTM D4063-1999 (R2004))

http://www.astm.org/ANSI_SA

Single copy price: \$33.00

BSR/ASTM D4243-1999 (R201x), Test Method for Measurement of Average Viscometric Degree of Polymerization of New and Aged Electrical Papers and Boards (reaffirmation of ANSI/ASTM D4243-1999 (R2004))

http://www.astm.org/ANSI_SA

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BSR/ASTM D5638-2005 (R201x), Test Method for Chemical Resistance of Electrical Insulating Varnishes (reaffirmation of ANSI/ASTM D5638-2005)

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BSR/ASTM F987-2004 (R201x), Specification for Portable Intermediate Flush Deck Stanchion (reaffirmation of ANSI/ASTM F987-2004)

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BSR/ASTM F1018-87A (R201x), Specification for Steel Emergency Gear Stowage Locker (reaffirmation of ANSI/ASTM F1018-87A (R2004))

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BSR/ASTM F1069-87 (R201x), Specification for Doors, Watertight, Gastight/Airtight and Weathertight, Individually Dogged, for Marine Use (reaffirmation of ANSI/ASTM F1069-87 (R2004))

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BSR/ASTM F1070-87 (R201x), Specification for Doors, Non-Tight, for Marine Use (reaffirmation of ANSI/ASTM F1070-87 (R2004))

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BSR/ASTM F1092-2004 (R201x), Specification for Fiberglass (GRP) Pultruded Open-Weather Storm and Guard, Square Railing Systems (reaffirmation of ANSI/ASTM F1092-2004)

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BSR/ASTM F1120-1987 (R201x), Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications (reaffirmation of ANSI/ASTM F1120-1987 (R2004))

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BSR/ASTM F1201-88 (R201x), Specification for Fluid Conditioner Fittings in Piping Applications Above 0 F (reaffirmation of ANSI/ASTM F1201-88 (R2004))

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BSR/ASTM F1386-1997 (R201x), Guide for Construction of Sounding Tube and Striker Plate for Tank Sounding (reaffirmation of ANSI/ASTM F1386-1997 (R2004))

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BSR/ASTM F1431-1992 (R201x), Specification for Water Trap for Diesel Exhaust (reaffirmation of ANSI/ASTM F1431-1992 (R2004))

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BSR/ASTM F1433-1997 (R201x), Specification for Mechanically Refrigerated Shipboard Air Conditioner (reaffirmation of ANSI/ASTM F1433-1997 (R2004))

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BSR/ASTM F1508-1997 (R201x), Specification for Angle Style, Pressure Relief Valves for Steam, Gas, and Liquid Services (reaffirmation of ANSI/ASTM F1508-1997 (R200))

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BSR/ASTM F1792-1997 (R201x), Specification for Special Requirements for Valves Used in Gaseous Oxygen Service (reaffirmation of ANSI/ASTM F1792-1997 (R2004))

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BSR/ASTM F1793-1997 (R201x), Specification for Automatic Shut-Off Valves Also Known as Excess Flow Valves, EFV, for Air or Nitrogen Service (reaffirmation of ANSI/ASTM F1793-1997 (R2004))

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BSR/ASTM F1794-1997 (R201x), Specification for Hand-Operated, Globe-Style Valves for Gas Except Oxygen Gas and Hydraulic Systems (reaffirmation of ANSI/ASTM F1794-1997 (R2004))

http://www.astm.org/ANSI_SA

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Withdrawals

ANSI/ASTM D585-1997 (R2007), Practice for Sampling and Accepting a Single Lot of Paper, Paperboard, Fiberboard and Related Product (withdrawal of ANSI/ASTM D585-1997 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

ANSI/ASTM D643-1997 (R2007), Test Method for Folding Endurance of Paper by the Schopper Tester (withdrawal of ANSI/ASTM D643-1997 (R2007))

http://www.astm.org/ANSI_SA

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ANSI/ASTM D644-1999 (R2007), Test Method for Moisture Content of Paper and Paperboard by Oven Drying (withdrawal of ANSI/ASTM D644-1999 (R2007))

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Single copy price: \$33.00

ANSI/ASTM D685-1993 (R2007), Practice for Conditioning Paper and Paper Products for Testing (withdrawal of ANSI/ASTM D685-1993 (R2007))

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ANSI/ASTM D985-1997 (R2007), Test Method for Brightness of Pulp, Paper, and Paperboard Directional Reflectance at 457 nm (withdrawal of ANSI/ASTM D985-1997 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

ANSI/ASTM D1030-1999, Test Method for Fiber Analysis of Paper and Paperboard (withdrawal of ANSI/ASTM D1030-1999)

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ANSI/ASTM D1223-2009, Test Method for Specular Gloss of Paper and Paperboard at 75 Degrees (withdrawal of ANSI/ASTM D1223-2009)

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Single copy price: \$38.00

ANSI/ASTM D1224-1992 (R2001), Test Methods for Zinc and Cadmium in Paper (withdrawal of ANSI/ASTM D1224-1992 (R2001))

http://www.astm.org/ANSI_SA

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ANSI/ASTM D1749-1993 (R2007), Practice for Interlaboratory Evaluation of Test Methods Used with Paper and Paper Products (withdrawal of ANSI/ASTM D1749-1993 (R2007))

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ANSI/ASTM D1968-2007, Terminology Relating to Paper and Paper Products (withdrawal of ANSI/ASTM D1968-2007)

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ANSI/ASTM D2176-1997 (R2007), Test Method for Folding Endurance of Paper by the M.I.T. Tester (withdrawal of ANSI/ASTM D2176-1997 (R2007))

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Single copy price: \$33.00

ANSI/ASTM D4826-1997 (R2007), Practice for Units of Measurement for Conversion Factors for Pulp, Paper, and Paperboard (withdrawal of ANSI/ASTM D4826-1997 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: \$38.00

ANSI/ASTM D4988-1996 (R2001), Test Method for Determination of Alkalinity of Paper as Calcium Carbonate Alkaline Reserve of Paper (withdrawal of ANSI/ASTM D4988-1996 (R2001))

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ANSI/ASTM D5342-1997 (R2007), Test Method for Resistance to Bending of Paper and Paperboard Taber-Type Tester in Basic Configuration (withdrawal of ANSI/ASTM D5342-1997 (R2007))

http://www.astm.org/ANSI_SA

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ANSI/ASTM D5650-1997 (R2007), Test Method for Resistance to Bending of Paper of Low Bending Stiffness Taber-Type Tester in 0 to 10 Taber Stiffness Unit Configuration (withdrawal of ANSI/ASTM D5650-1997 (R2007))

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AWS (American Welding Society)

Revisions

BSR/AWS B1.11M/B1.11-201x, Guide for the Visual Examination of Welds (revision of ANSI/AWS B1.11-2000)

Contains information to assist in the visual examination of welds. Included are sections on prerequisites, fundamentals, surface conditions, and equipment. Sketches and full-color photographs illustrate weld discontinuities commonly found in welds.

Single copy price: \$37.00

Obtain an electronic copy from: roneill@aws.org

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CSA (CSA America, Inc.)

Reaffirmations

BSR Z21.24-2005, BSR Z21.24a-2008 (R201x), American National Standard/CSA Standard for Connectors for Gas Appliances (same as CSA 6.10a-2009) (reaffirmation of ANSI Z21.24-2005 and ANSI Z21.24a-2008)

Details test and examination criteria for gas appliance connectors limited to a maximum nominal length of 6 feet (1.83 m). Such connectors are suitable for connecting gas-fired appliances to fixed gas supply lines containing natural, manufactured, or mixed gases; liquefied petroleum gases; or LP gas-air mixtures at pressures not in excess of 1/2 psig (3.5 kPa). These connectors are intended for use with residential and commercial gas appliances that are not frequently moved after installation.

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BSR Z83.21/CSA C22.2 No. 168/UL 921-2005 (R201x), American National Standard/CSA Standard for Commercial Dishwashers (same as CSA C22.2) (reaffirmation of ANSI Z83.21/CSA C22.2 No. 168/UL 921-2005)

Provides details for test and examination of commercial gas-fired and electric dishwashers for use with natural, manufactured, and mixed gases; liquefied petroleum gases; and LP gas-air mixtures.

Single copy price: \$428.00

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NSF (NSF International)

Revisions

BSR/NSF 42-201x (i67), Drinking Water Treatment Units - Aesthetic effects (revision of ANSI/NSF 42-2009)

Issue 67 - Corrects an error that occurred during the reformatting of ANSI/NSF 42 chlorine, chloride, sulfate, TDS, foaming agent, hydrogen sulfide, phenol, and pH test methods.

Single copy price: Free

Obtain an electronic copy from:

http://standards.nsf.org/apps/group_public/download.php/7751/42i67r1.pdf

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

Send comments (with copy to BSR) to: Same

BSR/NSF 50-201x (i49), Equipment for Swimming Pools, Spas/Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2009a)

Issue 49 - The purpose of this ballot is to add requirements for portable pre-fabricated spas (NSF Spa Protocol P-181) to NSF/ANSI 50. The change will enable comprehensive evaluation and testing of spas to assure users of product performance, quality, and safety.

Single copy price: Free

Obtain an electronic copy from:

http://standards.nsf.org/apps/group_public/document.php?document_id=7667

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

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UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 13-201x, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2009B)

Covers:

- (1) Revisions to paragraphs 5.1 and 5.2 regarding conductor sizes smaller than 30 AWG;
- (2) Revisions to tables 5.2 and 7.3 regarding conductor sizes smaller than 30 AWG; and
- (3) Binder jackets using fluoropolymers.

Single copy price: Contact comm2000 for pricing and delivery options

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BSR/UL 183-201x, Standard for Safety for Manufactured Wiring Systems (revision of ANSI/UL 183-2010)

UL proposes the following changes to 183:

- Use of hospital-grade convenience receptacles in manufactured wiring systems, and
- expansion of the scope of MC cable construction.

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Order from: comm2000

Send comments (with copy to BSR) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@us.ul.com

VITA (VMEbus International Trade Association (VITA))

New Standards

BSR/VITA 65-201x, OpenVPX (new standard)

Standardizes a set of VPX system architectures.

Single copy price: Free

Obtain an electronic copy from: techdir@vita.com

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

Comment Deadline: June 8, 2010

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ASME (American Society of Mechanical Engineers)

Withdrawals

ANSI/ASME A112.19.16-2006, Terrazzo Fixture Requirements
(withdrawal of ANSI/ASME A112.19.16-2006)

Establishes requirements, dimensions, and tolerances; materials; installation instructions; testing requirements; and markings and identification for safety vacuum release system devices.

Single copy price: \$29.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org

Send comments (with copy to BSR) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

EIA (Electronic Industries Alliance)

New Standards

BSR/EIA 364-1005-201x, Environmental Test Methodology for Determining the Susceptibility of Contacts to Fretting Corrosion (new standard)

Describes recommended test sequences to determine the susceptibility of contacts to fretting corrosion, which is a major and significant failure mechanism.

Single copy price: Free

Obtain an electronic copy from: global.ihs.com

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

Send comments (with copy to BSR) to: Cecelia Yates, (703) 907-8026, cyates@eca.us

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 231-201x, Standard for Safety for Power Outlets (Proposal dated 4/9/10) (new standard)

Covers power outlets, with or without integral mounting posts or pedestals, and power outlet fittings for use in accordance with the National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

ASTM (ASTM International)

BSR/ASTM WK28256-201x, New Test Method for Environmental Evaluation of Infill Materials for Use Sports Fields, Playgrounds and Landscaping Systems (new standard)

CEA (Consumer Electronics Association)

BSR/CEA 861.1-201x, Audio Format Extensions (new standard)

BSR/CEA 861-F-200x, A DTV Profile for Uncompressed High Speed Digital Interfaces (new standard)

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.

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AGA (ASC Z223)

American Gas Association
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Web: www.aga.org/

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ANSI

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API (ORGANIZATION)

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ASHRAE

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1791 Tullie Circle NE
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Fax: (678) 539-2111
Web: www.ashrae.org

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Web: www.asme.org

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Fax: (610) 834-3655
Web: www.astm.org

AWS

American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126
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Fax: (305) 443-5951
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CSA America, Inc.
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IIAR

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1110 North Glebe Rd., Ste 250
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Fax: 703-312-0065
Web: www.iiar.org

NECA

National Electrical Contractors
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Web: www.necanet.org

NSF

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

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Suite 220
Arlington, VA 22201

Contact: *Sonia Balboni*

Phone: (703) 525-4890

Fax: (703) 276-0793

E-mail: sbalboni@aami.org

BSR/AAMI/ISO 10993-3-201x, Biological evaluation of medical devices - Part 3: Tests for genotoxicity, carcinogenicity and reproductive toxicity (identical national adoption and revision of ANSI/AAMI/ISO 10993-3-2003 (R2009))

BSR/AAMI/ISO 11663-201x, Quality of dialysis fluid for haemodialysis and related therapies (identical national adoption and revision of ANSI/AAMI RD52:2004 and Amendments)

BSR/AAMI/ISO 23500-201x, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies (identical national adoption and revision of ANSI/AAMI RD52-2004 & Amendments)

ASSE (ASC A10) (American Society of Safety Engineers)

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Des Plaines, IL 60018-2187

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Fax: (847) 768-3411

E-mail: TFisher@ASSE.org

BSR ASSE A10.12-1998 (R201x), Safety Requirements for Excavation (reaffirmation of ANSI ASSE A10.12-1998 (R2005))

DASMA (Door and Access Systems Manufacturers Association)

Office: 1300 Sumner Avenue
Cleveland, OH 44115-2851

Contact: *Christopher Johnson*

Phone: (216) 241-7333

Fax: (216) 241-0105

E-mail: cjohnson@thomasamc.com; cagi@cagi.org

BSR/DASMA 110-201x, Standard for Lifting Cables for Sectional Type Doors (new standard)

ISA (ISA)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Beattie*

Phone: (919) 990-9228

Fax: (919) 549-8288

E-mail: ebeattie@isa.org;dbwechsler@dow.com

BSR/ISA 60079-10-2-201x, Explosive Atmospheres - Part 10-2: Classification of areas - Combustible dust atmospheres (national adoption with modifications and revision of ANSI/ISA 12.10.05 (IEC 61241-10 Mod)-2004)

NASPO (North American Security Products Organization)

Office: 1425 K Street NW
Washington, DC 20005

Contact: *Graham Whitehead*

Phone: (202) 587-5743

Fax: (202) 587-5601

E-mail: gdw@naspo.info

BSR/NASPO-IDV-201x, Standards for the Verification of Personal Identity (new standard)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Michael Johnston*

Phone: (301) 215-4521

Fax: (301) 215-4500

E-mail: am2@necanet.org

BSR/NECA 230-201x, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2003)

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 1011 om-xx, Basis weight of fiber glass mats (new standard)

BSR/TAPPI T 1012 om-xx, Moisture content of fiber glass mats (new standard)

BSR/TAPPI T New (number to be assigned)-201x, Aerobiological fungal growth of paper under extreme indoor air quality (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 758-B-201x, Customer-Owned Outside Plant Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 758-A-2004)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Alan McGrath

Phone: (847) 664-2850

Fax: (847) 313-2850

E-mail: Alan.T.McGrath@us.ul.com

BSR/UL 60730-2-2-201x, Standard for Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Thermal Motor Protectors (national adoption with modifications of IEC 60730-2-2)

BSR/UL 60730-2-9-201x, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Temperature Sensing Controls (national adoption with modifications of IEC 60730-2-9)

BSR/ULE WK91023-201x, Standard for Sustainability for Suspended Ceiling Materials and Systems (new standard)

BSR/ULE WK909111-201x, Standard for Sustainability for Doors, Door Frames, and Associated Hardware (new standard)

BSR/ULE WK909112-201x, Standard for Sustainability for Mineral, Fiber and Wood Composite Boards (new standard)

Call for Members (ANS Consensus Bodies)

BSR/ANSI/AWWA/15.257 *Pipe Rehabilitation Standards Committee* is seeking General Interest and User volunteers with experience in trenchless technologies.

This Committee produces standards on pipe bursting, sliplining, internal joint seals, applied lining, cured-in-place-pipe trenchless technologies.

BSR/ANSI/AWWA/15.353 *Thermosetting Fiberglass Reinforced Plastic Pipe Standards Committee* is seeking Producer and User volunteers with FRP knowledge.

This Committee is responsible for ANSI/AWWA Standard 950 FRP Pipe.

BSR/ANSI/AWWA/15.370 *Thermosetting Fiberglass Reinforced Plastic Tanks Standards Committee* is seeking General Interest and User volunteers with extensive underground vessel experience.

This committee produces standards dealing with FRP tanks above and below ground for water storage.

AWWA (American Water Works Association)
6666 West Quincy Avenue
Denver, CO 80235-3098
Dawn Flancher
(303) 347-6195
dflancher@awwa.org

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 14708-5-2010, Implants for surgery - Active implantable medical devices - Part 5: Circulatory support devices (identical national adoption of ISO 14708-5:200x - currently under development): 4/1/2010

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revisions

ANSI X9.84-2010, Biometric Information Management & Security (revision of ANSI X9.84-2003): 3/31/2010

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME B16.14-2010, Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads (new standard): 4/1/2010

ANSI/ASME B89.3.4-2010, Axes of Rotation Methods for Specifying and Testing (new standard): 4/1/2010

Revisions

ANSI/ASME B31.1-2010, Power Piping (revision of ANSI/ASME B31.1-2001): 4/1/2010

NSF (NSF International)

Revisions

ANSI/NSF 14-2010 (i34), Plastics piping system components and related materials (revision of ANSI/NSF 14-2009): 3/24/2010

ANSI/NSF 24-2010 (i7), Plumbing System Components for Recreational Vehicles (revision of ANSI/NSF 24-2009): 3/30/2010

SCTE (Society of Cable Telecommunications Engineers)

New Standards

ANSI/SCTE 159-2-2010, Multimedia Application and Service - Part 2: IPCablecom Multimedia Web Services (new standard): 3/31/2010

UL (Underwriters Laboratories, Inc.)

New Standards

ANSI/UL 1994-2010, Standard for Safety for Luminous Egress Path Marking Systems (Proposal dated February 12, 2010) (new standard): 4/5/2010

Reaffirmations

ANSI/UL 391-2006 (R2010), Standard for Safety for Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces (reaffirmation of ANSI/UL 391-2006): 3/30/2010

ANSI/UL 907-2006 (R2010), Standard for Safety for Fireplace Accessories (reaffirmation of ANSI/UL 907-2006): 4/6/2010

Revisions

ANSI/UL 746C-2010a, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2009b): 4/5/2010

ANSI/UL 746B-2010, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2009): 2/16/2010

ANSI/UL 746C-2010, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2009b): 4/5/2010

ANSI/UL 746E-2010, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2009): 4/5/2010

ANSI/UL 1081-2010, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (Proposal dated 10-23-09) (revision of ANSI/UL 1081-2009a): 3/31/2010

ANSI/UL 1081-2010a, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (Proposal dated December 18, 2009) (revision of ANSI/UL 1081-2009): 3/31/2010

ANSI/UL 1322-2010, Standard for Safety for Fabricated Scaffold Planks and Stages (Proposals dated 10/2/09) (revision of ANSI/UL 1322-2004a): 3/31/2010

ANSI/UL 1322-2010a, Standard for Safety for Fabricated Scaffold Planks and Stages (Proposals dated 1/22/10) (revision of ANSI/UL 1322-2004a): 3/31/2010

ANSI/UL 1563-2010, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (Proposal dated December 18, 2009) (revision of ANSI/UL 1563-2009): 3/31/2010

ANSI/UL 1699-2010, Standard for Safety for Arc-Fault Circuit-Interrupters (Bulletin dated December 4, 2009) (revision of ANSI/UL 1699-2008c): 4/1/2010

ANSI/UL 1838-2010, Standard for Low Voltage Landscape Lighting (revision of ANSI/UL 1838-2009a): 3/26/2010

ANSI/UL 1838-2010a, Standard for Safety for Low Voltage Landscape Lighting Systems (revision of ANSI/UL 1838-2009a): 3/26/2010

ANSI/UL 2335-2010, Standard for Safety for Fire Tests of Storage Pallets (revision of ANSI/UL 2335-2004): 3/31/2010

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, 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.

AGA (ASC Z380) (American Gas Association)

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Washington, DC 20001

Contact: Paul Cabot

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E-mail: pcabot@aga.org

BSR GPTC Z380.1 Addenda-201x, Guide for Gas Transmission and Distribution Piping Systems (revision of ANSI GPTC Z380.1-2009)

Stakeholders: Natural and LP gas transmission and distribution companies, pipeline and equipment manufacturers.

Project Need: To update the standard.

Contains information and some of the acceptable methods to assist the operator in complying with Federal Gas Pipeline Safety Regulations, Title 49, CFR Parts 191 & 192.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: 1212 West Street, Suite 200
Annapolis, MD 21401

Contact: Isabel Bailey

Fax: (410) 267-0961

E-mail: isabel.baileyx9@verizon.net

BSR X9.100-151-201x, Check Correction Strips (revision of ANSI X9.100-151-1998 (R2004))

Stakeholders: Financial institutions, designers and producers of correction strips.

Project Need: To answer the need to return checks rapidly to the bank of first deposit. This added emphasis on strip use resulted in the formalizing and controlling of the strip characteristics through this specification.

Covers the design and the functional characteristics of the strip extension ("strip") as affixed to a check. These strips provide a new MICR clear-band area used to modify or correct the MICR line of items for forward collection, returns, rejects, or other banking interchange systems.

ASIS (ASIS International)

Office: 1625 Prince Street
Alexandria, VA 22314-2818

Contact: Susan Carioti

Fax: (703) 519-1501

E-mail: scarioti@asisonline.org

BSR ASIS SPC.3-201x, Resilience in the Supply Chain (new standard)

Stakeholders: Organizations of all sizes and types; the global business community; not-for-profit organizations and foundations.

Project Need: To enable organizations to expand upon the core elements of the ANSI ASIS SPC.1-2009, Organizational Resilience Standard, to include resilience in their supply chain.

Expands the scope of the ANSI ASIS SPC.1-2009, Organizational Resilience Standard, to include resilience in the supply chain. This standard complements ANSI ASIS SPC.1-2009 by providing a framework for evaluating the internal and external context of the organization with regard to its supply chain, enabling it to develop a comprehensive, balanced strategy to reducing both the likelihood and consequences of a disruptive event. It provides auditable criteria to prevent, prepare for, respond to, and recover from a disruptive event using a comprehensive approach to managing risks thereby eliminating the siloing of risks and their impacts.

ASME (American Society of Mechanical Engineers)

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

Contact: Mayra Santiago

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME B18.31.5-201x, Bent Bolts (Inch Series) (new standard)

Stakeholders: Users, distributors, and manufacturers of U-Bolts of differing bends, eyebolts, hook bolts, and J-Bolts.

Project Need: To provide standardization for a majority of bent bolts by providing standard dimensions for use by purchasers and sellers of the product and to provide a Part Identification Number that can be used on drawings and for logistic support and other activities.

The inclusion of dimensional data in this standard is not intended to imply that all of the products described are stock production sizes. Consumers should consult with the manufacturers concerning lists of stock production sizes.

BSR/ASME B31Q-201x, Pipeline Personnel Qualification (revision of ANSI/ASME B31Q-2006)

Stakeholders: Liquid and gas pipeline industries, contractors, Federal and State regulators, and service providers.

Project Need: At present, there is no industry consensus standard for the qualification of industry personnel and their contractors. Such a standard would be highly beneficial to both the industry and regulator in the prevention of pipeline accidents, which have occurred in the past.

Specifies the requirements for the qualification of individuals performing safety- or integrity-related tasks for the operation and maintenance of gas and hazardous liquid pipelines that are subject to ASME B31.4 and B31.8. The standard establishes the processes to determine which tasks require qualified individuals and the processes that may be utilized to obtain qualification. The standard also includes processes for training, requalification, documentation, quality control, and requirements for management of change.

ASSE (ASC A10) (American Society of Safety Engineers)

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Contact: Tim Fisher

Fax: (847) 768-3411

E-mail: TFisher@ASSE.org

BSR ASSE A10.12-1998 (R201x), Safety Requirements for Excavation (reaffirmation of ANSI ASSE A10.12-1998 (R2005))

Stakeholders: SH&E Professionals who are working in the construction industry.

Project Need: To provide updates that are based upon the consensus of the A10 Committee.

Establishes standards for the prevention of deaths, injuries, and damage during or related to excavation operations.

ASTM (ASTM International)

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

Contact: Jeff Richardson

Fax: (610) 834-7067

E-mail: jrichard@astm.org

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

Stakeholders: Sports equipment and facilities industry.

Project Need:
<http://www.astm.org/DATABASE.CART/WORKITEMS/WK22081.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK22081.htm>

BSR/ASTM WK28257-201x, New Test Method for Environmental Evaluation of Infill Materials for Use Sports Fields, Playgrounds and Landscaping System (new standard)

Stakeholders: Sports equipment and facilities industry.

Project Need:
<http://www.astm.org/DATABASE.CART/WORKITEMS/WK28257.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK28257.htm>

AWS (American Welding Society)

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

Contact: Rosalinda O'Neill

Fax: (305) 443-5951

E-mail: roneill@aws.org

BSR/AWS C3.7M/C3.7-201x, Specification for Aluminum Brazing (revision of ANSI/AWS C3.7M/C3.7-2005)

Stakeholders: Aerospace and commercial brazing operations.

Project Need: All of the diverse brazing processes cannot be compiled into one resource document; therefore, they were spread out into several documents. This one details the aluminum brazing process.

Presents the minimum fabrication, equipment, material, process procedure, and inspection requirements for the brazing of aluminum by all of the processes commonly used - atmosphere furnace, vacuum furnace, and flux processes. The purpose of the standard is to standardize aluminum brazing requirements for all applications in which brazed aluminum joints of assured quality are required. It provides criteria for classifying aluminum brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability of each class.

BSR/AWS C3.8M/C3.8-201x, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints (revision of ANSI/AWS C3.8M/C3.8-2005)

Stakeholders: Aerospace and commercial brazing and inspection operations.

Project Need: All of the diverse brazing processes cannot be compiled into one resource document; therefore, they were spread out into several documents. This one details ultrasonic examination techniques.

Provides the minimum requirements for the pulse-echo ultrasonic examination of brazed joints. The purpose of the standard is to standardize brazed-joint ultrasonic examination requirements for all applications in which brazed joints of assured quality are required. It provides minimum requirements for equipment, procedures, and the documentation of such tests.

BSR/AWS D11.2-201x, Guide for Welding Iron Castings (revision of ANSI/AWS D11.2-2006)

Stakeholders: Welders of iron castings.

Project Need: This document is an important guide for successfully welding iron castings.

Presents briefly the history and metallurgy of cast iron and the welding processes applicable to it. A newly developed weldability test is described in detail and instructions given for its application in specific cases. Provision is made for qualification of welding procedures and welders when necessary; quality control practice is also included.

BSR/AWS G2.1M/G2.1-201x, Guide for the Joining of Wrought Nickel-Based Alloys (revision of ANSI/AWS G2.1M/G2.1-2002)

Stakeholders: Consumers, designers, welding engineers, welders.

Project Need: The nickel alloys are readily weldable using techniques similar to those used to weld the austenitic stainless steels. However, there are some differences of which the welder should be aware. This document guides the designer, welding engineer, and welder through the basics of welding these alloys.

Describes the welding of different wrought nickel-based alloys, including solid-solution and precipitation-hardening alloys. Included are: descriptions of the alloys, filler metal selection, joint design recommendations, and a discussion of the appropriate welding processes.

CSA (CSA America, Inc.)

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Cleveland, OH 44131

Contact: Cathy Rake

Fax: (216) 520-8979

E-mail: cathy.rake@csa-america.org

BSR/NGV 3.1-201x, Fuel System Components for Natural Gas Powered Vehicles (revision of ANSI/CSA NGV3.1/CSA 12.3-1995 (R2006))

Stakeholders: Industry, manufacturers, consumers.

Project Need: To revise an update.

Establishes requirements for newly produced compressed natural gas fuel system components, intended for use on natural gas powered vehicles. This standard applies to devices that have a service pressure of either 16 500 kPa (2400 psi), 20 700 kPa (3000 psi), or 24 800 kPa (3600 psi), referred to in this standard as the following: 'P24' - 16 500 kPa (2400 psi), 'P30' - 20 700 kPa (3000 psi), and 'P36' - 24 800 kPa (3600 psi).

DASMA (Door and Access Systems Manufacturers Association)

Office: 1300 Sumner Avenue
Cleveland, OH 44115-2851

Contact: Christopher Johnson

Fax: (216) 241-0105

E-mail: cjohnson@thomasamc.com; cagi@cagi.org

BSR/DASMA 110-201x, Standard for Lifting Cables for Sectional Type Doors (new standard)

Stakeholders: Producers involved in the production of products, materials, or services; distributors; and installers.

Project Need: To create a new standard to define minimum performance for lifting cables for sectional-type doors.

Provides minimum standards and performance specifications for lifting cables for sectional-type doors when used as an integral component of a counterbalance system.

HPS (ASC N13) (Health Physics Society)

Office: 1313 Dolley Madison Blvd, Suite 402
McLean, VA 22101

Contact: Nancy Johnson

Fax: (703) 790-2672

E-mail: njohnson@burkinc.com

BSR N2.1-201x, Radiation Symbol (new standard)

Stakeholders: All users and regulators of radiation material - government, industry, medical, environmental, consumer.

Project Need: To provide guidance in the United States on the appropriate usage of the radiation symbol. In addition to guidance on use, this standard will attempt to address an earlier unresolvable issue on the acceptable colors of the symbol as well as add information on potential issues regarding comprehension of the symbol.

Includes an existing section on shape and proportions of the radiation symbol, and will also include an updated (electronic) figure of the proportions of the symbol. An existing section of use of the symbol will be retained and possibly expanded. A new section on acceptable colors for the symbol may be added. A new section on comprehension of the symbol may be added, although this could also be an informative appendix that would not be part of the standard.

BSR N13.3-201x, Dosimetry for Criticality Accidents (revision of ANSI N13.3-1969 (R1981))

Stakeholders: Any operation with fissionable materials for which there is a potential of a criticality accident.

Project Need: To provide acceptable criteria for the design, implementation, and operation of a criticality dosimetry system.

Provides requirements and performance criteria for implementation and maintenance of a dosimetry system capable of providing personnel dose estimates in the event of a criticality accident.

BSR N13.6-1999 (R201x), Practice for Occupational Radiation Exposure Records Systems (reaffirmation of ANSI N13.6-1999)

Stakeholders: Government agencies, medical facilities, universities, laboratories, nuclear power plants.

Project Need: This standard is due for its 10-year reaffirmation cycle.

Provides guidance to the facility operator for systematic creation, scheduling, retention, and disposition of records related to occupational radiation exposure.

BSR N13.37-201x, Performance Criteria for Environmental Thermoluminescence Dosimeters (new standard)

Stakeholders: Government; Nuclear Regulatory Commission (NRC) licensed facilities; Department of Energy (DOE) facilities.

Project Need: To provide environmental radiation specialists and state and federal regulatory agencies with guidance to the application, methods of use, and testing of thermoluminescence dosimetry systems.

Provides guidelines for the application of TLD systems used to measure environmental radiation levels. Specifications are given for performance criteria and tolerance levels, dosimeter consistency, radiation response, environmental stability, field procedures, handling, and reporting protocols.

BSR N13.52-1999 (R201x), Personnel Neutron Dosimeters (Neutron Energies Less Than 20 MeV) (reaffirmation of ANSI N13.52-1999)

Stakeholders: Nuclear utility, government facilities.

Project Need: A new draft of N13.52 is currently being written. The 1999 version should be kept in effect until the new version is available.

Provides guidance for routine personal neutron dosimetry. This standard is applicable for neutrons with energies ranging from thermal to values less than 20 MeV. It applies to devices worn by individuals, as contrasted with handheld or fixed-area instrumentation. It does not apply to dosimetry necessary for extremity monitoring or for criticality accidents. This standard also includes factors governing the use of dosimeters for proper determination of the personal neutron dose equivalent.

IESNA (Illuminating Engineering Society of North America)

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New York, NY 10005-4001

Contact: Rita Harrold

Fax: (212) 248-5017

E-mail: rharrold@iesna.org

BSR/IES RP-3-11-201x, Lighting for Educational Facilities (revision and redesignation of ANSI/IESNA RP-3-2000 (R2006))

Stakeholders: School and college administrators, facility managers, and lighting designers.

Project Need: To update information based on more use of daylighting and changed learning environments

New teaching methods and technologies cause a revision to what makes good lighting, which must be delivered within tightening energy code constraints.

ISA (ISA)

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Research Triangle Park, NC 27709

Contact: *Eliana Beattie*

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E-mail: ebeattie@isa.org;dbwechsler@dow.com

BSR/ISA 60079-10-2-201x, Explosive Atmospheres - Part 10-2: Classification of areas - Combustible dust atmospheres (national adoption with modifications and revision of ANSI/ISA 12.10.05 (IEC 61241-10 Mod)-2004)

Stakeholders: Consumers, manufacturers, regulatory agencies.

Project Need: To provide for human and equipment safety by identifying and classifying areas where hazards from dust can arise.

Covers the identification and classification of areas where explosive dust atmospheres and combustible dust layers are present, in order to permit the proper assessment of ignition sources in such areas.

ISA (ISA)

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Research Triangle Park, NC 27709

Contact: *Ellen Fussell*

Fax: (919) 549-8288

E-mail: efussell@isa.org

BSR/ISA 18.1-201x, Annunciator Sequences and Specifications (new standard)

Stakeholders: Those who specify, distribute, manufacture, or use annunciators in the processing industries.

Project Need: To improve communications among those that specify, distribute, manufacture, or use annunciators.

Establishes uniform annunciator terminology, sequence designations, and sequence presentation and assists in the preparation of annunciator specifications and documentation.

BSR/ISA 77.20-2005 (R201x), Fossil Fuel Power Plant Simulators - Functional Requirements (reaffirmation of ANSI/ISA 77.20-2005)

Stakeholders: Fossil-fuel power plants.

Project Need: To establish the functional requirements for several types of fossil-fuel power plant control room simulators primarily used for operator training.

Sets the criteria for the degree of hardware replication and software modeling detail, performance, and functional capabilities of the simulated control room instrumentation.

NASPO (North American Security Products Organization)

Office: 1425 K Street NW
Washington, DC 20005

Contact: *Graham Whitehead*

Fax: (202) 587-5601

E-mail: gdw@naspo.info

BSR/NASPO-IDV-201x, Standards for the Verification of Personal Identity (new standard)

Stakeholders: Issuers of primary USA identity documents; relying parties and citizens of the United States and Territories.

Project Need: The need for this standard was due to the ANSI/IDSP workshop on identity verification (see ANSI/IDSP Workshop Report-Identity Verification, October 2009). This workshop concluded that issuers of USA "identity" documents need a common systematic process by which they can achieve a level of assurance supporting the acceptance or rejection a person's claim of identity.

Defines due process and methods for the verification of personal identity related to the issuance of primary USA identity documents and assurance levels required for enrollment in major identity management systems.

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 1011 om-xx, Basis weight of fiber glass mats (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters; and suppliers.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise the standard, if needed to address new technology or correct errors.

Covers the determination of the basis weight of fiber glass mat. The basis weight includes the fiber, binder, and other materials incorporated into the finished web. Weight is reported as pounds per 100 square feet (i.e., not customary TAPPI paper units).

BSR/TAPPI T 1012 om-xx, Moisture content of fiber glass mats (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters; and suppliers.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise the standard, if needed to address new technology or correct errors.

Covers the determination of the moisture content of fiber glass mat.

BSR/TAPPI T New (number to be assigned)-201x, Aerobiological fungal growth of paper under extreme indoor air quality (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters; and suppliers.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise the standard, if needed to address new technology or correct errors.

Evaluates fungal spore germination on cellulose paper fiber under post-flood disaster conditions. Part one evaluates fungi growth on samples by visually recording germination over 7-day testing period as the temperature slowly increases. Part two evaluates the presence of volatile organic compounds (VOCs), microbial volatile organic compounds (MVOCs), and types of fungi growing on samples in the environmental cabinet assembly, after 28 days.

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd Suite 300
Arlington, VA 22201

Contact: *Teesha Jenkins*

Fax: (703) 907-7727

E-mail: tjenkins@tiaonline.org

BSR/TIA 758-B-201x, Customer-Owned Outside Plant Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 758-A-2004)

Stakeholders: Telecom.

Project Need: To update the standard.

Provides requirements used in the design of the telecommunication pathways and spaces, and the cabling installed between buildings or points in a customer-owned campus environment.

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Alan McGrath

Fax: (847) 313-2850

E-mail: Alan.T.McGrath@us.ul.com

BSR/UL 60730-2-2-201x, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Motor Protectors (national adoption with modifications of IEC 60730-2-2)

Stakeholders: Temperature sensing control industry and users.

Project Need: To develop a new American National Standard.

Applies to the partial evaluation of thermal motor protectors, as defined in IEC 60730-1, for household and similar use, including heating, air conditioning, and similar applications. A thermal motor protector is an integrated control that is dependent on its correct mounting and fixing in or on a motor and that can only be fully tested in combination with the relevant motor. Requirements concerning the testing of the combination of motor and thermal motor protector are given in annex AA for information and include requirements taken from other IEC standards.

BSR/UL 60730-2-9-201x, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2-9: Particular Requirements for Temperature Sensing Controls (national adoption with modifications of IEC 60730-2-9)

Stakeholders: Temperature sensing control industry and users.

Project Need: To develop a new American National Standard.

Applies to automatic electrical temperature-sensing controls for use in, on or in association with, equipment for household and similar use, including electrical controls for heating, air-conditioning, and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof. Examples of such controls include boiler thermostats, fan controls, temperature limiters, and thermal cut-outs.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI
- AAMVA
- AGA
- AGRSS, Inc.
- ASC X9
- ASHRAE
- ASME
- ASTM
- GEIA
- HL7
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NISO
- NSF
- TIA
- Underwriters Laboratories, Inc. (UL)

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

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



ISO Draft International Standards

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

Comments

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

Ordering Instructions

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

AIR QUALITY (TC 146)

ISO/DIS 16000-6, Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS/FID - 6/30/2010, \$98.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 1119, Geometrical product specifications (GPS) - Series of conical tapers and taper angles - 7/3/2010, \$40.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7203-1, Fire extinguishing media - Foam concentrates - Part 1: Specification for low expansion foam concentrates for top application to water-immiscible liquids - 7/3/2010, \$112.00

FASTENERS (TC 2)

ISO/DIS 4753, Fasteners - Ends of parts with external ISO metric thread - 7/3/2010, \$40.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 25539-3, Cardiovascular implants - Endovascular devices - Part 3: Vena cava filters - 7/3/2010, \$165.00

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

ISO/DIS 13628-16, Petroleum and natural gas industries - Design and operation of subsea production systems - Part 16: Specification for flexible pipe ancillary equipment - 7/3/2010, \$230.00

ISO/DIS 13628-17, Petroleum and natural gas industries - Design and operation of subsea production systems - Part 17: Guidelines for flexible pipe ancillary equipment - 7/3/2010, \$230.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 2409, Paints and varnishes - Cross-cut test - 7/3/2010, \$62.00

ISO/DIS 3233, Paints and varnishes - Determination of percentage volume of non-volatile matter by measuring the density of a dried coating - 7/3/2010, \$58.00

ISO/DIS 4628-8, Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 8: Assessment of degree of delamination and corrosion around a scribe or other artificial defect - 7/3/2010, \$67.00

ISO/DIS 6272-2, Paints and varnishes - Rapid-deformation (impact resistance) tests - Part 2: Falling-weight test, small-area indenter - 7/3/2010, \$40.00

ISO/DIS 6272-1, Paints and varnishes - Rapid-deformation (impact resistance) tests - Part 1: Falling-weight test, large-area indenter - 7/3/2010, \$46.00

ISO/DIS 15181-6, Paints and varnishes - Determination of release rate of biocides from antifouling paints - Part 6: Determination of tralopyril release rate by quantification of its degradation product in the extract - 6/30/2010, \$67.00

PHOTOGRAPHY (TC 42)

ISO/DIS 3665, Photography - Intra-oral dental radiographic film and film packets - Manufacturer specifications - 6/30/2010, \$53.00

ISO/DIS 12231, Photography - Electronic still picture imaging - Vocabulary - 6/30/2010, \$107.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 2921, Rubber, vulcanized - Determination of low-temperature characteristics - Temperature-retraction procedure (TR test) - 7/2/2010, \$46.00

ISO 124/DAmD1, Latex, rubber - Determination of total solids content - Draft Amendment 1 - 7/3/2010, \$40.00

ISO 125/DAmD1, Natural rubber latex concentrate - Determination of alkalinity - Draft Amendment 1 - 7/3/2010, \$40.00

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

ISO/DIS 10209, Technical product documentation - Vocabulary - Terms relating to technical drawings, product definition and related products - 7/3/2010, \$146.00



Newly Published ISO Standards

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

GAS CYLINDERS (TC 58)

ISO 10156:2010, Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets, \$110.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO 2146:2010, Information and documentation - Registry services for libraries and related organizations, \$180.00

LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)

ISO 4787:2010, Laboratory glassware - Volumetric instruments - Methods for testing of capacity and for use, \$104.00

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

ISO 17078-4:2010, Petroleum and natural gas industries - Drilling and production equipment - Part 4: Practices for side-pocket mandrels and related equipment, \$149.00

ROAD VEHICLES (TC 22)

ISO/PAS 3930:2009, Instruments for measuring vehicle exhaust emissions - Metrological and technical requirements; Metrological control and performance tests, \$141.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 21217:2010, Intelligent transport systems - Communications access for land mobiles (CALM) - Architecture, \$135.00

ISO 22840:2010, Intelligent transport systems - Devices to aid reverse manoeuvres - Extended-range backing aid systems (ERBA), \$110.00

ISO Technical Reports

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TR 11766:2010, Intelligent transport systems - Communications access for land mobiles (CALM) - Security considerations for lawful interception, \$80.00

ISO Technical Specifications

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/TS 22745-10:2010, Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 10: Dictionary representation, \$37.00

ISO/TS 22745-40:2010, Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 40: Master data representation, \$37.00

ISO/TS 22745-35:2010, Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 35: Query for characteristic data, \$37.00

ISO/TS 22745-14:2010, Industrial automation systems and integration - Open technical dictionaries and their application to master data - Part 14: Dictionary query interface, \$43.00

ISO/TS 29002-20:2010, Industrial automation systems and integration - Exchange of characteristic data - Part 20: Concept dictionary resolution services, \$57.00

ISO/TS 29002-6:2010, Industrial automation systems and integration - Exchange of characteristic data - Part 6: Concept dictionary terminology reference model, \$43.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19785-1/Amd1:2010, Information technology - Common Biometric Exchange Formats Framework - Part 1: Data element specification - Amendment 1: Support for additional data elements, \$16.00

ISO/IEC 19785-2/Amd1:2010, Information technology - Common Biometric Exchange Formats Framework - Part 2: Procedures for the operation of the Biometric Registration Authority - Amendment 1: Additional registrations, \$16.00

ISO/IEC 19785-3/Amd1:2010, Information technology - Common Biometric Exchange Formats Framework - Part 3: Patron format specifications - Amendment 1: Support for Additional Data Elements, \$141.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 29107-1:2010, Information technology - Intelligent homes - Taxonomy of specifications - Part 1: The scheme, \$122.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

ANSI Accreditation Program for Third Party Product Certification Agencies

Request for Scope Extension

Scientific Certification Systems

Comment Deadline: May 10, 2010

Elizabeth Serpa
Quality Assurance Program Manager
Scientific Certification Systems
2200 Powell Street, Suite 725
Emeryville, CA 94608
PHONE: (510) 452-8055
FAX: (510) 452-8001
E-mail: eserpa@scscertified.org
Web: www.scscertified.org

Scope Extension

British Retail Consortium (BRC) Global Standard for Food Safety

British Retail Consortium (BRC) Global Standard for Storage and Distribution Issue

Please send your comments by May 10, 2010 to Reinaldo Balbino Figueiredo, Sr. Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: rfigueir@ansi.org; or Nikki Jackson, Program Manager, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036 FAX: (202) 293-9287 or e-mail: njackson@ansi.org.

U.S Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO Technical Committee 248 – Project Committee: Sustainability Criteria for Bioenergy

Comment Deadline: May 10, 2010

ASTM, a full ANSI Organizational Member, has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO Technical Committee 248, Project committee: Sustainability criteria for bioenergy, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Ms. Brynn Murphy, Manager, ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428; PHONE: (610) 832-9640; E-mail: bmurphy@astm.org (please copy ithompso@ansi.org).

Transfer of U.S. TAG Administrator

U. S. TAG to ISO Technical Committee 199 – Safety of Machinery

The ANSI Accredited U.S. Technical Advisory Group to ISO TC 199, Safety of machinery, has approved a transfer of its TAG Administrator from AMT – The Association for Manufacturing Technology to B11 Standards, Inc. The TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. This action is taken, effective April 7, 2010. For additional information, please contact: Mr. David Felinski, B11 Standards, Inc., 42293 Young Lane, Leesburg, VA 20176; PHONE: (703) 771-6957; E-mail: dfelinski@b11standards.org.

Meeting Notice

ASC Z133

The next business meeting of the Z133 Committee (Arboriculture Safety Standard Committee) will take place on Wednesday, April 21, 2010, at the Embassy Suites Hotel – BWI, Linthicum, Maryland. For more information, please contact Janet Huber at (217) 355-9411, ext. 259, or jhuber@isa-arbor.com.

BSR/ASHRAE/IES Addendum ck
to ANSI/ASHRAE/IES Standard 90.1-2007

Public Review Draft

ASHRAE® Standard

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

Second Public Review (March 2010)
(Draft Shows Proposed Independent
Substantive Changes to Previous
Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at <http://www.ashrae.org/technology/page/331> and access the online comment database. 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 1-800-527-4723 (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>.

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



BSR/ASHRAE/IES Addendum ck to ANSI/ASHRAE/IES Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
 Second Public Review Draft - ISC

(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 removes the exception to 6.5.6.1 if a system complies with 6.5.3.3, but still requires 6.5.3.3 if the system does not have energy recovery complying with 6.5.6.1. It allows for more flexibility in meeting this requirement by simply referencing the Standard 62.1 definition of system ventilation efficiency and not the variables used in the Standard 62.1 multiple-spaces equation.

This addendum also provides an exception for systems that use dual-duct, dual-fan arrangements. These systems have a high ventilation effectiveness already and are thus not required to use ventilation optimization, although it could be done if desired.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft 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 ck to 90.1-2007

Modify the standard as follows (IP and SI Units)

6.5.3 Air System Design and Control. Each HVAC system having a total fan system motor nameplate hp exceeding 5 hp shall meet the provisions of Sections 6.5.3.1 through 6.5.3.3.

6.5.3.3 Multiple-zone VAV System Ventilation Optimization Control

Multiple-zone VAV systems with DDC of individual zone boxes reporting to a central control panel shall include means to automatically reduce outdoor air intake flow below design rates in response to changes in *system ventilation efficiency* as defined by ASHRAE Standard 62.1, Appendix A ~~and as determined in part by the zone requiring the highest fraction of outdoor air in the zone discharge air stream, and in part by variations in zone level discharge airflow and outdoor air intake flow requirements.~~

Exceptions to 6.5.3.3

BSR/ASHRAE/IES Addendum ck to ANSI/ASHRAE/IES Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
Second Public Review Draft - ISC

(a) ~~Dual-path systems which recirculate plenum air locally, as defined by Standard 62.1. VAV systems with zonal transfer fans that recirculate air from other zones without directly mixing it with outdoor air, dual-duct dual-fan VAV systems, and VAV systems with fan-powered terminal units.~~

(b) Systems ~~that include~~ required to have Exhaust Air Energy Recovery complying with Section 6.5.6.1.

(c) Systems where total design exhaust airflow is more than 70% of total design outdoor air intake flow requirements.

~~6.5.6.1 Exhaust Air Energy Recovery~~

~~Exceptions to 6.5.6.1~~

(h) ~~Single-path multiple-zone VAV systems meeting the ventilation control requirements in 6.5.3.3.~~

Modify the following reference in Section 12

ANSI/ASHRAE Standard 62.1-2007 Ventilation for Acceptable Indoor Air Quality

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (March 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>.

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AMERICAN SOCIETY OF HEATING, REFRIGERATING
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1791 Tullie Circle, NE Atlanta GA 30329-2305



BSR/ASHRAE/IESNA Addendum db 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 minimum airflow rates in typical commercial buildings are much lower than those required in laboratory spaces. The higher minimum airflow rates in laboratory spaces warrant a smaller temperature difference to avoid excessive reheating. This addendum also tries to make it clear how to distribute the allowed fan power across the baseline fans.

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 db to 90.1-2007

Modify the Standard as follows (SI and IP Units)

G3.1.2.8 Design Air Flow Rates. System design supply air flow rates for the *baseline building design* shall be based on a supply-air-to-room-air temperature difference of 20F (11 C) or the required ventilation air or makeup air, whichever is greater. If return or relief fans are specified in the *proposed design*, the *baseline building design* shall also be modeled with fans serving the same functions and sized for the *baseline* system supply fan air quantity less the minimum *outdoor air*, or 90% of the supply fan air quantity, whichever is larger.

Exception: For systems serving laboratory spaces, use a supply-air-to-room-air temperature difference of 17 deg F or the required ventilation air or makeup air, whichever is greater.

G3.1.2.9 System Fan Power. System fan electrical power for supply, return, exhaust, and relief (excluding power to fan-powered VAV boxes) shall be calculated using the following formulas:

....

G3.1.2.9.1 The calculated system fan power shall be distributed to supply, return, exhaust, and relief fans in the same proportion as the proposed design.

BSR/ASHRAE/IES Addendum de
to ANSI/ASHRAE/IES Standard 90.1-2007

Public Review Draft

ASHRAE® Standard

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

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

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AMERICAN SOCIETY OF HEATING, REFRIGERATING
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BSR/ASHRAE/IES Addendum de to ANSI/ASHRAE/IES 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 splits the “generic lobby” from common elevator lobbies and LPDs were adjusted to reflect specific space needs. In addition, this removes the fitness center audience seating because it’s considered a space type that was considered not used, and potentially confusing.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 de to 90.1-2007

Revise table 9.6.1 as follows (IP units)

These changes are shown relative to addendum “by” to 90.1-2007.

TABLE 9.6.1 Lighting Power Densities Using the Space-by-Space Method

| <u>Common Space Types</u> | <u>LPD, W/ft²</u> | <u>RCR Threshold</u> |
|--|------------------------------|--------------------------|
| Lobby | 0.65-0.90 | 4 |
| <u>For Elevator</u> | <u>0.64</u> | <u>6</u> |
| For Performing Arts Theater | 2.00 | 6 |
| For Motion Picture Theater | 0.52 | 4 |
| <hr/> | | |
| Gymnasium/Fitness Center | | |
| Fitness Area | 0.72 | 4 |
| Fitness Center Audience Seating | 0.20 | 4 |

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Revise table 9.6.1 as follows (SI units)

TABLE 9.6.1 Lighting Power Densities Using the Space-by-Space Method

| <u>Common Space Types</u> | <u>LPD, W/m²</u> | <u>RCR Threshold</u> |
|--|-----------------------------|--------------------------|
| Lobby | 7.0 <u>9.675</u> | 4 |
| For Elevator | <u>6.88</u> | <u>6</u> |
| For Performing Arts Theater | 21.5 | 6 |
| For Motion Picture Theater | 5.6 | 4 |
| <hr/> | | |
| Gymnasium/Fitness Center | | |
| Fitness Area | 7.8 | 4 |
| Fitness Center Audience Seating | 2.2 | 4 |

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FOREWORD

ACEEE and the European E4 committee estimate elevator energy to be in the range of 2-5% of building electric consumption. Elevators waste energy in several ways:

- Ventilation fans often run 24/7 regardless of load or occupancy
- Cab lighting often operates 24/7 regardless of occupancy
- The energy consumption of the elevator moving apparatus varies over a range of around 5:1 between the least and most efficient units.

This addendum takes a first step in addressing the first two sources of inefficiency listed above.

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Addendum df to 90.1-2007

Revise the Standard as follows (S-I units)

Add the following:

10.4.3 Elevators. Elevator systems shall comply with the requirements of this section:

10.4.3.1 Lighting. All cab lighting systems shall have efficacy of not less than 35 lumens per Watt.

10.4.3.2 Ventilation Power Limitation. Cab ventilation fans for elevators without air-conditioning shall not consume over 0.7 W*s/L at maximum speed.

10.4.3.3 Standby Mode. When stopped and unoccupied with doors closed for over 15 minutes, cab interior lighting and ventilation shall be de-energized until required for operation.

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Revise the Standard as follows (I-P units)

Add the following:

10.4.3 Elevators. Elevator systems shall comply with the requirements of this section:

10.4.3.1 Lighting. All cab lighting systems shall have efficacy of not less than 35 lumens per Watt.

10.4.3.2 Ventilation Power Limitation. Cab ventilation fans for elevators without air-conditioning shall not consume over 0.33 Watts per cfm at maximum speed.

10.4.3.3 Standby Mode. When stopped and unoccupied with doors closed for over 15 minutes, cab interior lighting and ventilation shall be de-energized until required for operation.

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FOREWORD

The proposed text would add a definition for the term “field-fabricated fenestration” used in section 5.4.3.2, consistent with Interpretation IC 90.1-2007-01 and similar language in California’s Title 24.

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Addendum dg to 90.1-2007

Revise the Standard as follows (IP and S-I units)

Add new definition to section 3.2:

fenestration, field-fabricated: *fenestration whose frame is made at the construction site of materials that were not previously cut, or otherwise formed with the specific intention of being used to fabricate a fenestration product or exterior glazed door. Field fabricated fenestration does not include site-built fenestration designed to be glazed or assembled in the field using specific factory cut or otherwise factory formed framing and glazing units, such as storefront systems, curtain walls, and atrium roof systems.*

Modify Appendix G, Table G3.1 #5 proposed building as follows

e. Automatically controlled dynamic glazing may be modeled. Manually controlled dynamic glazing shall use the average of the minimum and maximum SHGC and VT

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FOREWORD

A continuous maintenance proposal was submitted to clarify the credit for on-site renewable energy and site recovered energy in Section 11 and Appendix G. SSPC 90.1 agrees that clarification is warranted.

Definitions for on-site renewable energy and purchased energy have been added as well as clearer guidance on the de termination of applicable credits in Section 11 and Appendix G.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striethrough~~ (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 dh to 90.1-2007

Revise the Standard as follows (IP and S-I units)

Add new definition to section 3.2:

on-site renewable energy: Energy generated from renewable sources produced at the building site.

purchased energy: Energy or power purchased for consumption and delivered to the building site.

Delete Section 11.2.3 and replace as follows:

~~11.2.3 Purchased Energy Rates.~~ Annual energy costs shall be determined using rates for purchased energy, such as electricity, gas, oil, propane, steam, and chilled water, and approved by the adopting authority.

~~Exception: On-site renewable energy sources or site-recovered energy shall not be considered to be purchased energy and shall not be included in the design energy cost. Where on-site renewable or site-recovered sources are used, the budget building design shall be based on the energy source used as the backup energy source or electricity if no backup energy source has been specified.~~

11.2.3 Renewable, Recovered, and Purchased Energy

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11.2.3.1 On-site renewable energy and site recovered energy sources. These energy sources shall not be considered *purchased energy and shall be* subtracted from the *proposed design* energy consumption prior to calculating the *design energy cost*, provided the building owner owns the source or is contractually obligated to utilize energy from the source on-site for a minimum of ten years.

11.2.3.2 Annual energy costs. The *design energy cost* and *energy cost budget* shall be determined using rates for *purchased energy*, such as electricity, gas, oil, propane, steam and chilled water, and which are approved by the *adopting authority*. Where *on-site renewable energy* or *site-recovered energy* sources are used, the *budget building design* shall be based on the energy source used as the backup energy source or electricity if no backup energy source has been specified.

Delete Section G2.4 and replace as follows:

~~**G2.4 Energy Rates.** Annual energy costs shall be determined using either actual rates for purchased energy or state average energy prices published by DOE's Energy Information Administration (EIA) for commercial building customers, but rates from different sources may not be mixed in the same project.~~

~~**Exception to G2.4.** On-site renewable energy sources or site-recovered energy shall not be considered to be purchased energy and shall not be included in the *proposed building performance*. Where on-site renewable or site-recovered sources are used, the *baseline building performance* shall be based on the energy source used as the backup energy source or on the use of electricity if no backup energy source has been specified.~~

G2.4 Renewable, Recovered, and Purchased Energy

G2.4.1 On-site renewable energy and site recovered energy sources. These energy sources shall not be considered *purchased energy and shall be* subtracted from the *proposed design* energy consumption prior to calculating the *design energy cost*, provided the building owner owns the source or is contractually obligated to utilize from the source on-site for a minimum of ten years.

G2.4.2 Annual energy costs. The *design energy cost* and *baseline energy cost* shall be determined using either actual rates for *purchased energy* or state average energy prices published by DOE's Energy Information Administration (EIA) for commercial building customers, but rates from different sources may not be mixed in the same project. Where *on-site renewable energy* or *site-recovered energy* sources are used, the *baseline building design* shall be based on the energy source used as the backup energy source or electricity if no backup energy source has been specified.

(Informative Note: The above provision allows users to gain credit for features that yield load management benefits. Where such features are not present, users can simply use state average unit prices from EIA, which are updated annually and readily available on EIA's web site (<http://www.eia.doe.gov/>.)

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FOREWORD

The 1999 standard had a mandatory requirement:

6.2.3.5 Enclosed Parking Garage Ventilation. Garage ventilation fan systems with a total design capacity greater than 30,000 cfm shall be permitted to have at least one of the following:

- a. An automatic control that is capable of staging fans or modulating fan volume as required to maintain carbon monoxide (CO) concentration below levels in ASHRAE 62. This option only applies to garages used predominantly by gasoline-powered vehicles.*
- b. An automatic control complying with 6.2.3.2.1 that is capable of shutting off fans or reducing fan volume during periods when the garage is not in use. (note:6.2.3.2.1 is Automatic Shutdown that shuts down the HVAC systems when the building is unoccupied.)*

This section was removed in the 2001 addition because of liability concerns. The sensors and control systems have improved over time. The 2007 ASHRAE Handbook, HVAC Applications recommends that, "If permitted by local codes, the ventilation airflow rate should be varied to conserve energy."

The flow rates and concentrations in the new requirement are from the International Mechanical Code requirements. The proposed high level alarm is at 25 ppm, at 200 ppm a person would experience slight headache, tiredness, and dizziness after 2 to 3 hours.

The energy savings depends on the hours of operations and the use profile of the garage. In garages that have morning and afternoon peaks and low usage during the day, the handbook documents savings of 60% of fan power.

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Addendum di to 90.1-2007

Revise the Standard as follows (IP units)

Add new definition to section 3.2:

Ventilation system motor nameplate hp: the sum of the motor nameplate horsepower (hp) of all fans that are required to operate as part of the system.

Modify Section 6 as follows:

6.4.3.4.6 Enclosed Parking Garage Ventilation. Enclosed parking garage ventilation systems shall automatically detect contaminant levels and stage fans or modulate fan airflow rates to 50% or less of *design capacity* provided acceptable contaminant levels are maintained.

Exceptions:

- a. Garages less than 30,000 ft² with ventilation systems that do not utilize mechanical cooling or mechanical heating
- b. Garages that have a garage area to *ventilation system motor nameplate hp* ratio that exceeds 1500 ft²/hp and do not utilize mechanical cooling or mechanical heating.
- c. Where not permitted by the *authority having jurisdiction*.

6.7.2.2 Manuals. Construction documents shall require that an operating manual and a maintenance manual be provided to the building owner or the designated representative of the building owner within 90 days after the date of system acceptance. These manuals shall be in accordance with industry-accepted standards (see Informative Appendix E) and shall include, at a minimum, the following:

- a. Submittal data stating equipment size and selected options for each piece of equipment requiring maintenance.
- b. Operation manuals and maintenance manuals for each piece of equipment and system requiring maintenance, except equipment not furnished as part of the project. Required routine maintenance actions shall be clearly identified.
- c. Names and addresses of at least one *service agency*.
- d. HVAC controls system maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions. Desired or field-determined setpoints shall be permanently recorded on control drawings at control devices or, for digital control systems, in programming comments.
- e. A complete narrative of how each system is intended to operate, including suggested setpoints.

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Revise the Standard as follows (SI units)

Add new definition to 3.2:

Ventilation system motor nameplate kW: the sum of the motor nameplate kW of all fans that are required to operate as part of the system.

Modify Section 6 as follows:

6.4.3.4.6 Enclosed Parking Garage Ventilation. Enclosed parking garage ventilation systems shall automatically detect contaminant levels and stage fans or modulate fan airflow rates to 50% or less of *design capacity* provided acceptable contaminant levels are maintained.

Exceptions:

- a. Garages less than 2787 m² with ventilation systems that do not utilize mechanical cooling or mechanical heating
- b. Garages that have a garage area to ventilation system motor nameplate kw ratio that exceeds 187 m²/kW and do not utilize mechanical cooling or mechanical heating.
- c. Where not permitted by the authority having jurisdiction.

6.7.2.2 Manuals. Construction documents shall require that an operating manual and a maintenance manual be provided to the building owner or the designated representative of the building owner within 90 days after the date of system acceptance. These manuals shall be in accordance with industry-accepted standards (see Informative Appendix E) and shall include, at a minimum, the following:

- a. Submittal data stating equipment size and selected options for each piece of equipment requiring maintenance.
- b. Operation manuals and maintenance manuals for each piece of equipment and systems requiring maintenance, except equipment not furnished as part of the project. Required routine maintenance actions shall be clearly identified.
- c. Names and addresses of at least one *service agency*.
- d. HVAC controls system maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions. Desired or field-determined setpoints shall be permanently recorded on control drawings at control devices or, for digital control systems, in programming comments.
- e. A complete narrative of how each system is intended to operate, including suggested setpoints.

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FOREWORD

This addendum adds clarity and instruction to the users of Appendix C, the envelope trade off option, for new requirements that were added in addendum "al", "bc" and "bn". Addendum al required skylights and lighting controls in certain occupancies, addendum bc required skylights and lighting controls in unconditioned semi-heated spaces and addendum bn dealt with orientation specific SHGC requirements.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketthrough~~ (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 dk to 90.1-2007

Modify the Standard as follows (SI and IP Units)

C3 BASE ENVELOPE DESIGN AND PROPOSED DESIGN SPECIFICATION

...

C3.4 For enclosed spaces required to comply with Section 5.5.4.2.3, the skylight area in the base envelope design shall be 3% of the roof area of that enclosed space. For enclosed spaces required to comply with Section 5.5.4.2.3, the total daylight area under skylights in both the base envelope design and the proposed envelope design shall be a minimum of half the floor area. For all other spaces the skylight area of each space category in the base envelope design shall be the same as the proposed envelope design building or the maximum allowed in Tables 5.5-1 through 5.5-8, whichever is less. This distribution of skylights among space-conditioning categories shall be the same as the proposed design. If the skylight area of any space category is greater than the maximum allowed in Tables 5.5-1 through 5.5-8 for that space-conditioning category, then the area of each skylight shall be reduced in the base envelope design by the same percentage so that the total skylight area is exactly equal to the maximum allowed in Tables 5.5-1 through 5.5-8.

C3.5 The *U-factor* for fenestration in the base envelope design shall be equal to the criteria from Tables 5.5-1 through 5.5-8 for the appropriate climate, except the *U-factor* for skylights in enclosed spaces required to comply with Section 5.5.4.2.3 shall be equal to the criteria listed in the Exception to Section 5.5.4.3. The *SHGC* for fenestration in the base envelope design shall be equal to the criteria from Tables 5.5-1 through 5.5-8. For portions of those tables where there are no *SHGC* requirements, or for enclosed spaces required to comply with Section 5.5.4.2.3, the *SHGC* shall be equal to 0.40 for all vertical fenestration, and 0.55 for skylights. The *VT* for fenestration in the base envelope design shall be equal to 1.10 times the *SHGC* criteria as determined in this subsection.

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For enclosed spaces required to comply with Section 5.5.4.2.3, the VT for skylights in that enclosed space shall be 0.40.

...

C3.7 Unconditioned spaces of the base envelope design and the proposed envelope design shall comply with Section 5.5.4.2.3.

...

C6 EQUATIONS FOR ENVELOPE TRADE-OFF CALCULATIONS

...

C6.2 Envelope Performance Factor. The *EPF* of a building shall be calculated using Equation C-2 using its actual orientation, rotating the entire building 90, 180, and 270 degrees, then averaging the results.

$$EPF = FAF \times [\Sigma HVAC_{surface} + \Sigma Lighting_{zone}] \quad (C-2)$$

where

FAF = floor area factor for the entire building

$\Sigma HVAC_{surface}$ = sum of HVAC for each surface calculated using Equation C-3

$\Sigma Lighting_{zone}$ = sum of lighting for each zone calculated using Equation C-4

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (March 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).

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

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FOREWORD

This addendum gives instruction to the users of Appendix C, the envelope trade off option on how to model the base envelope design and the proposed envelope design on how to comply with the cool roof provisions of Section 5.

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 dl to 90.1-2007

Modify the Standard as follows (SI and IP Units)

C3 BASE ENVELOPE DESIGN AND PROPOSED DESIGN SPECIFICATION

Sections C3.1 thru C3.5 do not change

C3.6 *The roof of the base envelope design and the roof of the proposed envelope design shall both comply with either section 5.5.3.1.2 (a) or (b).*

BSR/ASHRAE/IESNA Addendum do
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FOREWORD

This addendum attempts to clearly establish the goals and requirements of the lighting system including controls and to ensure that the owner is provided all the information necessary to best use and maintain the lighting systems.

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 do to 90.1-2007

Revise the Standard as follows (IP and SI units)

4.2.2.3 Manuals. Operating and ... specified in Sections 6.7.2.2, ~~and~~ 8.7.2-and 9.7.2.2.

9.7 Submittals

~~9.7.1 System Commissioning.~~

~~9.7.1.1 Commissioning Automatic Daylighting Controls.~~ Automatic daylighting control systems shall be tested to ensure that control elements are calibrated, adjusted, and in proper working condition to ~~manufacturer's~~ specifications. System performance shall be demonstrated to perform as specified by the design plans and specifications.

9.7.1 General. Where required by the *authority having jurisdiction* the submittal of compliance documentation and supplemental information shall be in accordance with section 4.2.2.

9.7.2 Completion requirements. The following requirements are mandatory provisions and are necessary for compliance with this standard.

9.7.2.1 Drawings. Construction documents shall require that within 90 days after the date of system acceptance, record drawings of the actual installation be provided to the building owner or the designated representative of the building owner. Record drawings shall include, as a minimum, the location, luminaire identifier, control, and circuiting for each piece of lighting equipment.

BSR/ASHRAE/IESNA Addendum do to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
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9.7.2.2 Manuals. Construction documents shall require for all lighting equipment and lighting controls, an operating and maintenance manual be provided to the building owner or the designated representative of the building owner within 90 days after the date of system acceptance. These manuals shall include, at a minimum, the following:

- a. Submittal data indicating all selected options for each piece of lighting equipment and lighting controls.
- b. Operation and maintenance manuals for each piece of lighting equipment and lighting controls with routine maintenance clearly identified including, as a minimum, a recommended relamping program and a schedule for inspecting and recalibrating all lighting controls.
- c. A complete narrative of how each lighting control system is intended to operate including recommended settings.

BSR/IIAR 2 - 2008 Section 13 - Machinery Room Design, Public Review Doc. 2.

Original Text - Addendum A, PRD1

13.3.3 Inlet Air

Provision shall be made for inlet air to replace that being exhausted. Inlet air makeup shall be designed to provide a negative pressure in the machinery room with a maximum negative pressure of 0.125 in. water column.

Proposed Text - Addendum A, PRD2

13.3.3 Inlet Air

Provision shall be made for inlet air to replace that being exhausted. Inlet air makeup shall be designed to provide a negative pressure in the machinery room with a maximum negative pressure of 0.25 in. water column.

IIAR 2 - 2008 Section 3 - Definitions

Original Text - Addendum A, PRD1

machinery room: A space that is designed to safely house refrigerating equipment which may include: *compressors, condensers*, high pressure *receivers*, economizers, purgers, *refrigerant* pumps or other *refrigerant* liquid pumping and/or transfer equipment.

Proposed Text - Addendum A, PRD2

machinery room: An enclosed space that is designed specifically to safely house refrigerating equipment which includes: *compressors, refrigerant* pumps or other *refrigerant* liquid pumping and/or transfer equipment.

BSR/NECA 230-201x, *Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers*

5.4 Taps from Feeders

Where a motor branch circuit is tapped from a feeder as shown in *NEC 430.28*, the tap conductors must have an ampacity not less than required in *NEC 430.22* for a single motor or *NEC 430.24* for multiple motors and must terminate in a branch-circuit protective device. In addition, the tap conductor must meet one of the following requirements:

5.6 Single Phasing

Single phasing is a condition where one of phases feeding a 3-phase motor opens generally due to an overcurrent device (fuse) opening, an open pole in a circuit breaker or the opening of a phase conductor. If the motor is not running and single-phase power is applied, the motor will not start. If the motor is running when the single phasing occurs, the motor will run at a slower speed. An increase of approximately 175 percent will occur in the line current in the remaining phases. The overload devices, set at 125 percent, will sense this increase in current and open to protect the motor windings.

8.5 Protection from Physical Damage

All conductors of a remote motor control circuit must be suitably protected from physical damage

8.6 Adjustable-Speed Drive System

An adjustable-speed drive system provides a means of controlling the speed of an electric motor by controlling the frequency of the electric power source. These systems are also called variable-frequency drives. These drives are solid state conversion devices that convert ac input power to dc power or allow variable speed control for typical ac motors.

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NSF/ANSI 50

Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment and systems for use at recreational water facilities

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12 Ozone process equipment

12.1 General

Ozone process equipment covered by this section is intended to provide an antimicrobial oxidizing agent for use in supplemental treatment of circulation systems of public and residential swimming pools and spas/hot/tubs. Since these products are not intended to produce residual levels of disinfectant within the body of the swimming pool or spa, these products are intended for use with appropriate residual levels of EPA registered disinfecting chemicals. Specific residual levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority. A disinfecting chemical shall be added to impart a measureable residual chemical. The measureable residual chemical shall be easily and accurately measured by a field test kit. Ozone generating equipment shall be capable of producing a quantity of ozone at a level as stated by the manufacturer, at standard conditions of generation and measurement.

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13 Ultraviolet light process equipment

13.1 General

Ultraviolet light process equipment covered by this section is intended for use in supplemental treatment of circulation systems of public and residential swimming pools and spas/hot/tubs. Since these products are not intended to produce residual levels of disinfectant within the body of the swimming pool or spa, these products are intended for use with appropriate residual levels of EPA registered disinfecting chemicals. Specific residual levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority, with hydrogen peroxide, chlorine, or bromine residual chemical. The residual chemical shall be easily and accurately measureable by a field test kit. If a system is used with hydrogen peroxide, a maximum concentration of 35% solution in water shall be continuously fed to maintain a minimum residual of 20 mg/L. Otherwise, these systems shall be used in conjunction with not less than 4 ppm free chlorine or bromine.

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16 Copper/silver and copper ion generators

16.1 General

Electrolytic copper/silver and copper ion generation systems are intended for supplemental treatment of water in public and residential pools and spas/hot tubs. These products are intended for use with appropriate residual levels of EPA registered disinfecting chemicals. These systems are typically designed to operate shall be used in conjunction with no less than 0.4 ppm free chlorine or 0.8 ppm free bromine. Additional levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority. The measureable residual chemical shall be easily and

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accurately measured by a field test kit.

Copper levels shall be easily and accurately measured by a pool side test kit provided by the manufacturer. Levels of copper/silver should not be imparted into pool or spa water in excess of the USEPA Primary and Secondary National Drinking Water Regulations. The system shall conform to this Standard (see Section 11, General requirements for process equipment).

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16.9 Operation and installation instructions

In addition to the requirements provided in 11.6 of this Standard, caution statements shall be prominently displayed in the operation and installation instructions advising the user of the following:

- materials not compatible with the system;
- the potential of staining of pool materials if the system is not operated properly;
- ~~the importance of maintaining a minimum residual of the free available chlorine or bromine;~~ statement that the unit is designed for supplemental treatment and ~~should be used~~ intended for use with registered or approved disinfection chemicals to impart required residual concentrations;
- a description of the test method available through the manufacturer to measure the silver concentrations in the water;
- the recommended pH range;
- the electrode part number; and
- caution statements that include the possibility of staining and the measures needed to avoid its occurrence.

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Proposal for BSR/UL 136

8.2.4 The application of heat is to be continued until the relief valve has fully opened ~~and~~
~~the pressure within the vessel reduces.~~

Standard for Proprietary Burglar Alarm Units and Systems, BSR/UL 1076

PROPOSAL

61A.6 There shall be no message authentication between the premise control unit and control receiving equipment.

- a) Each message exchanged between the premises and supervising station receiving equipment shall include the network address of the premises equipment, and a hashed (scrambled) key which is changed on every message exchange or
- b) A system shall be able to accommodate a minimum of 65,000 distinct account numbers. Message authentication shall consist of an account number plus an additional authentication key which is changed such that a compromise is detected in accordance with Section 64. The codes shall be part of each message sent between the premises and supervising station receiving equipment.