



ANSI STANDARDS ACTION

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

VOL. 35, #19

May 7, 2004

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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

★ Standard for consumer products

Comment Deadline: June 6, 2004

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

Supplements

BSR/ASHRAE 90.2k-200x, Energy-Efficient Design of Low-Rise Residential Buildings (supplement to ANSI/ASHRAE 90.2-2001)

This proposed addendum revises the piping insulation requirements in ASHRAE Standard 90.2 to be consistent with the requirements in ASHRAE Standard 90.1-2001.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards: public.review.comments@ashrae.org

- ★ BSR/ASHRAE 90.2j-200x, Energy-Efficient Design of Low-Rise Residential Buildings (supplement to ANSI/ASHRAE 90.2-2001)

This proposed addendum provides clarification that all combinations of cooling and heat pump equipment must have rated capacity and efficiency performance data consistent with federal law.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards: public.review.comments@ashrae.org

BSR/ASHRAE/IESNA 90.1ae-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This second public review draft of proposed addendum ae further modifies the occupancy sensor control requirement to provide exemptions for spaces with multi-scene control where control conflicts may arise, for shop and lab classrooms where safety issues may arise, and for preschool through twelfth-grade classrooms where occupancy is generally constant and therefore less energy savings is available.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards: public.review.comments@ashrae.org

BSR/ASHRAE/IESNA 90.1ai-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This addendum proposes that Section 9.2.3 be revised so that internally illuminated exit signs shall not exceed 5 watts per face. The existing standard has no wattage limitation for exit signs, only an efficiency requirement for luminaries operating at greater than 20 watts. The foreword to this addendum shows that, with exits signs generally available today, the 5-watt maximum is both possible and economical.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards: public.review.comments@ashrae.org

Comment Deadline: June 21, 2004

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoptions

BSR/AAMI/ISO 25539-1/A1-200x, Amendment 1 to ANSI/AAMI/ISO 25539-1:2003, Cardiovascular implants - Endovascular devices - Part 1: Endovascular prostheses: Annex E: Test methods (identical national adoption)

The Amendment provides guidance for the development of preclinical test methods to be used to characterize and evaluate endovascular prostheses, and for developing test reports.

Single copy price: \$20.00/\$25.00 mbr/list (print); Free/\$25.00 mbr/list (electronic)

Order from: AAMI Customer Service Center
Send comments (with copy to BSR) to: Cliff Bernier, AAMI; CBernier@aami.org

ADA (American Dental Association)

New Standards

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

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

Single copy price: \$25.00 (Hard copy); Free (Electronic download)

Order from: Thelma Drawhorn, ADA; drawhornt@ada.org
Send comments (with copy to BSR) to: Same

BSR/ADA 100-200x, Orthodontic Brackets and Tubes (new standard)

This specification pertains to brackets and tubes as components of the orthodontic appliance.

Single copy price: \$25.00

Order from: Thelma Drawhorn, ADA; drawhornt@ada.org
Send comments (with copy to BSR) to: Same

AIAA (American Institute of Aeronautics and Astronautics)

New Standards

- ★ BSR/AIAA G-095-200x, Guide for Safety of Hydrogen and Hydrogen Systems (new standard)

This Guide presents information that designers, builders, and users of hydrogen systems can use to avoid or resolve hydrogen hazards. Guidelines are presented for system design, materials selection, operations, storage, and transportation. Pertinent research is summarized, and the data are presented in a quick reference form. Further information can be found in the extensive bibliography.

Single copy price: Free

Order from: Tammy Wiser, AIAA; tammywiser@aiaa.org
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AISC (ASC AISC) (American Institute of Steel Construction)

Revisions

BSR/AISC 341-200x, Seismic Provisions for Structural Steel Buildings (revision of ANSI/AISC 341-2002)

These provisions are for the design and construction of structural steel members and connections in the Seismic Load Resisting Systems in buildings and other structures. The design forces in these structures shall result from earthquake motions determined on the basis of various levels of energy dissipation in the inelastic range of response.

Single copy price: \$12.00

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

Supplements

BSR/AISC N690, Supplement 2-200x, Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities, Supplement 2 (supplement to ANSI/AISC N690-1994)

Applies to the design, fabrication, and erection of steel safety-related structures and structural elements for nuclear facilities using the Allowable Stress Design method. The structures or structural elements subject to this Specification are those steel structures which are parts of the nuclear safety-related system or which support, house, or protect nuclear safety-related systems or components, the failure of which would impair the safety-related functions of these systems or components.

Single copy price: \$12.00

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Send comments (with copy to BSR) to: Janet Cummins, AISC; cummins@aisc.org

ANS (American Nuclear Society)

Reaffirmations

BSR/ANS 6.4-1997 (R200x), Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.4-1997)

This standard contains methods and data needed to calculate the concrete thickness required for radiation shielding in nuclear power plants (NPP). It provides guidance to architect-engineers, utilities, and reactor vendors who are responsible for the shielding design of stationary NPP. The standard does not consider sources of radiation other than those associated with NPP.

Single copy price: \$84.00

Order from: Pat Schroeder, ANS; pschroeder@ans.org
Send comments (with copy to BSR) to: Same

BSR/ANS 6.4.2-1985 (R200x), Specification for Radiation Shielding Materials (reaffirmation of ANSI/ANS 6.4.2-1985 (R1997))

This standard sets forth physical and nuclear properties that shall be reported by the supplier as appropriate for a particular application in order to form the basis for selection of radiation-shielding materials.

Single copy price: \$26.00

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

Supplements

BSR/ASHRAE 62.2Pb-200x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (supplement to ANSI/ASHRAE 62.2P-2003)

This proposed addendum replaces the term "severe cold climate," which is defined as a climate that has more than 8000 F degree-days, with the term "very cold climate," which is defined as a climate that has more than 9000 F degree-days. With the change, Standard 62.2 climate definitions will be more consistent with the proposed revisions to the ICC climate zone definitions, which will simplify implementation of 62.2 into code. For the main impact of this change, refer to the foreword to 62.2b.

Single copy price: Free (Available free of charge from ASHRAE website (www.ashrae.org))

Order from: Beverly Fulks, ASHRAE; bfulks@ashrae.org
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BSR/ASHRAE 90.2i-200x, Energy-Efficient Design of Low-Rise Residential Buildings (supplement to ANSI/ASHRAE 90.2-2001)

The revisions proposed in this second public review draft clarify the intent of Section 6.7 in the first public review draft while adding a new exception for packaged air-conditioning/electric furnace units that were previously not addressed by this requirement. This second public review draft also makes extensive changes to Tables 5-2 and 5-11, responding to commenters who recommended further simplification of the tables.

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BSR/ASHRAE/IESNA 90.1q-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This third public review draft of proposed Addendum q makes independent substantive changes to the previous draft. It adds some very specific applications to table 9.3.2 to remove the potential confusion that could occur in using the standard if these applications were absent from the table. Examples of the new applications are Lighting at ATM Machines, Lighting at Entrances and Gatehouse, and Lighting at Drive-up windows at Fast Food Restaurants. No LPD values have been revised in this draft.

Single copy price: Free (Available free of charge from ASHRAE website (www.ashrae.org))

Order from: Beverly Fulks, ASHRAE; bfulks@ashrae.org
Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards: public.review.comments@ashrae.org

BSR/ASHRAE/IESNA 90.1ac-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This addendum as a whole proposes modifications to Section 11, the Energy Cost Budget (ECB) Method, in order to incorporate items from Appendix G that apply. This second public review draft includes several independent substantive changes to the first public review draft to incorporate improvements suggested by reviewers. The changes are intended to add clarity and specificity to a number of different paragraphs.

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BSR/ASHRAE/IESNA 90.1u-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This proposed change to Tables 6.3.1.1.3.A and 6.3.1.1.3.B of Standard 90.1 adds "dew point and dry bulb temperature" as a shutoff control type and adds the required high-limit values for this type of control.

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BSR/ASHRAE/IESNA 90.1ak-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This proposed addendum applies to the changes approved and published in ANSI/ASHRAE/IESNA Addendum b to ANSI/ASHRAE/IESNA Standard 90.1-2001. It adds a third party performance certification testing program to the heat rejection equipment requirements in Table 6.2.1G.

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BSR/ASHRAE/IESNA 90.1al-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This proposed addendum updates some of the references that relate to Section 11, specifically those that concern building energy simulation software programs and annual weather data. All of these references are found in Informative Appendix E.

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BSR/ASHRAE/IESNA 90.1am-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-2001)

This addendum proposes to reduce the number of climate zones from 26 to 8. The effect of this proposed change would be to reduce the size of 90.1 and simplify compliance. In addition, this change would make 90.1 more consistent with other standard and code documents in its treatment of climate zones.

Single copy price: Free (Available free of charge from ASHRAE website (www.ashrae.org))

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ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME B30.11-200x, Monorails and Underhung Cranes (revision of ANSI/ASME B30.11-1998)

B30.11 applies to underhung cranes and monorail systems where load-carrying members, such as end trucks or carriers (trolleys), travel either on the external or internal lower flange of a runway track section, single monorail track, crane bridge girder, or jib boom.

Single copy price: \$10.00

Order from: Silvana Rodriguez, ASME; rodriguez@asme.org;
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ASTM (ASTM International)

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ATIS (Alliance for Telecommunications Industry Solutions)

Supplements

BSR T1.261a-200x, Security for TMN Management Transactions over the TMN Q3 Interface (supplement to ANSI T1.261-1998)

Standard addresses the security of transaction oriented TMN management messages exchanged over TMN Q3 interfaces among Network Elements (NE) and Operations Systems (OSs). Offers the following four levels of security: authentication of the association initiator, peer entity authentication, data origin authentication, and access control and whole protocol data protection.

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BSR T1.418a-200x, High Bit Rate Subscriber Line - 2nd Generation (HDSL2/HDSL4) Issue 2 (supplement to ANSI T1.418-2002)

This supplement provides an enhancement to T1.418-2000 to clarify the operation of the Embedded Operations Channel (EOE) for HDSL2 and HDSL4 equipment.

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NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

Revisions

BSR/NB 23-200x, National Board Inspection Code (revision of ANSI/NB 23-2003)

NB-23 provides rules and guidelines for the inservice inspection, installation, repair and alteration of pressure retaining items and inservice inspection and repair of pressure relief valves.

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NEMA (ASC C78) (National Electrical Manufacturers Association)

Revisions

BSR C78.1408-200x, Electric Lamps - CBA Projection Lamps (revision of ANSI C78.1408-1991 (R2003))

Details information concerning the CBA Projection Lamp.

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BSR C78.1452-200x, Projection Lamps - Vocabulary (revision of ANSI C78.1452-1991 (R2002))

Provides definitions for a wide range of terms used in the design, manufacturing, and application of photogenic lamps.

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BSR C78.1460-200x, Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 86.5mm LCL, 76.2mm, 76.2mm MOL with Proximity Reflector (revision of ANSI C78.1460-1991 (R2002))

This standard defines the dimensional, physical, and other characteristics to assist in the proper application of tungsten-halogen lamps with GZ9.5 bases, T6 (T19) bulbs at 36.5 mm LCL and 76.2 mm maximum overall length with internal proximity reflectors.

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NGCMA (National Golf Car Manufacturers Association)

New Standards

- ★ BSR/NGCMA Z135-200x, Personal Transport Vehicles - Safety and Performance Specifications (new standard)

Developed to establish safety specifications for the design and operation of electric and internal combustion engine powered personal transport vehicles, ("PTVs"), with respect to speed, acceleration, stability, braking systems, operational controls, electrical systems, lighting, fuel systems, and general configurations. A specified safety warning label lists the major safety and precautionary operating measures to be observed.
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Revisions

- ★ BSR/NGCMA Z130.1-200x, Golf Cars - Safety and Performance Specifications (revision of ANSI/NGCMA Z130.1-1999)

Developed to establish safety specifications for the design and operation of golf cars driven by electric motors and internal combustion engines with respect to speed, acceleration, stability, braking systems, operational controls, electrical systems, fuel systems, and general configurations. A specified safety warning label lists the major safety and precautionary operating measures to be observed. Safety codes and standards are intended to enhance public health and safety.
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OPEI (Outdoor Power Equipment Institute)

Revisions

BSR B71.3-200x, Outdoor Power Equipment - Snow Throwers - Safety Specifications (revision and redesignation of ANSI/OPEI B71.3-1995)

The safety specifications in this standard apply to

- (a) walk-behind power snow throwers;
- (b) ride-on power snow throwers;
- (c) lawn ride-on tractors with snow thrower attachments;
- (d) lawn and garden tractors with snow thrower attachments; and
- (e) lever-steer ride-on machines with snow thrower attachments.

These specifications are intended to apply to products specifically intended as consumer products for the personal use of a consumer around a house. These specifications are not intended to apply to hand-held snow throwers nor to commercial products customarily produced and distributed for use by hired (professional) operators.
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SCTE (Society of Cable Telecommunications Engineers)

New Standards

BSR/SCTE 90-1-200x, Application Platform - Part 1: OCAP 1.0 Profile (new standard)

Defines the SCTE Application Platform Standard, OCAP 1.0 Profile (OCAP 1.0), a minimal profile specification for the next generation of middleware software for digital cable television set-top boxes and other digital devices to be deployed by cable operators.

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Revisions

BSR/SCTE 43-200x, Digital Video Systems Characteristics Standard for Cable Television (revision of ANSI/SCTE 43-2003)

This document describes the characteristics and normative specifications for the Video Subsystem Standard for Cable Television.
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TIA (Telecommunications Industry Association)

New Standards

BSR/TIA 102.AABF-A-200x, Project 25 - Link Control Word Formats and Messages - New Technology Standards Project - Digital Radio Technical Standards (new standard)

This document provides information necessary to define the formats and messages for the Link Control words for both conventional and trunking operation.

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Revisions

BSR/TIA 102.AAAB-A-200x, Project 25 - Digital Land Mobile Radio - Security Services Overview (revision of ANSI/TIA 102.AAAB-2002)

This document provides an overview of the security services available in Land Mobile Radio Systems.

Single copy price: \$67.00

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BSR/TIA 598-C-200x, Fiber Optic Cable Coding (revision and redesignation of ANSI/TIA 598-B-2001)

This document defines the recommended identification scheme or system for individual fibers, fiber units, and groups of fiber units within a cable structure.

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Reaffirmations

BSR/TIA 95-B-1999 (R200x), Mobile Station-Base Station Compatibility Standard for Spread Spectrum Cellular Systems (reaffirmation of ANSI/TIA 95-B-1999)

This document defines the requirements for a PCS/Cellular system and mobile and base stations using Code Division Multiple Access (CDMA) technology while also maintaining compatibility with AMPS analog technology.

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BSR/TIA 136-290-A-2001 (R200x), TDMA Third Generation Wireless - RF Minimum Performance for 136HS Outdoor and 136HS Indoor Bearers (reaffirmation of ANSI/TIA 136-290-A-2001)

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BSR/TIA 136-341-2000 (R200x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Physical Layer (reaffirmation of ANSI/TIA 136-341-2000)

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BSR/TIA 136-342-2000 (R200x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor RLC/MAC (reaffirmation of ANSI/TIA 136-342-2000)

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BSR/TIA 136-360-2000 (R200x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Overview (reaffirmation of ANSI/TIA 136-360-2000)

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BSR/TIA 136-932-2000 (R200x), TDMA Third Generation Wireless - Packet Data Services - Stage 2 Description (reaffirmation of ANSI/TIA 136-932-2000)

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BSR/TIA 136-310-A-1-2001 (R200x), TDMA Third Generation Wireless - Radio Link Protocol 1, Addendum 1 (reaffirmation of ANSI/TIA 136-310-A-1-2001)

This addendum makes corrections to TIA/EIA 136-310-A.
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BSR/TIA 41.000.6-E-200x, Wireless Radiotelecommunication Intersystem - Introduction to TIA-41 (revise and partition ANSI/TIA/EIA 41-D-1997)

This section provides an introduction to TIA 41 for wireless radiotelecommunication intersystems.
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BSR/TIA 41.600-E-200x, Wireless Radiotelecommunication Intersystem - Introduction to Procedures (revise and partition ANSI/TIA/EIA 41-D-1997)

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BSR/TIA 41.691.E-E-200x, Wireless Radiotelecommunications Intersystem - Signal Strength Arbitration (revise and partition ANSI/TIA/EIA 41-D-1997)

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BSR/TIA 41.691.D-E-200x, Wireless Radiotelecommunication Intersystem - SMS Air Interface Delivery Point-to-Point (revise and partition ANSI/TIA/EIA 41-D-1997)

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BSR/TIA 41.691.C-E-200x, Wireless Radiotelecommunication Intersystem - Authentication Response Verification (revise and partition ANSI/TIA/EIA 41-D-1997)

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BSR/TIA 41.691.B-E-200x, Wireless Radiotelecommunication Intersystem - Procedures for SSD Management at AC (revise and partition ANSI/TIA/EIA 41-D-1997)

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Send comments (with copy to BSR) to: Billie Zidek-Conner, TIA; bzidekconner@tiaonline.org

BSR/TIA 41.691.A-E-200x, Wireless Radiotelecommunication Intersystem - Procedures for RANDC Verification (revise and partition ANSI/TIA/EIA 41-D-1997)

This annex describes the procedures for RANDC verification for wireless radiotelecommunication intersystems.

Single copy price: \$47.00

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

Send comments (with copy to BSR) to: Billie Zidek-Conner, TIA; bzidekconner@tiaonline.org

UL (Underwriters Laboratories, Inc.)

New National Adoptions

BSR/UL 60974-1 -200x, Standard for Arc Welding Equipment - Part 1: Welding Power Sources (Bulletin dated 04/30/04) (identical national adoption and revision of ANSI/UL 551-1998)

The following items are subject to comment:

- 1) Revision to the requirements for engine powered rotating welding power sources.
- 2) Revision to add the word "terminal" to the national difference for wire connectors.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

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

Revisions

BSR/UL 73-200x, Standard for Motor-Operated Appliances (8th Edition Standard plus Bulletin dated April 30, 2004) (revision of ANSI/UL 73-1998)

- 1) These requirements cover motor-operated appliances to be employed in accordance with the National Electrical Code, NFPA 70. These requirements also cover small utilization appliances, such as vibrators in which motion of an operating part is produced by electrical means.
- 2) Revisions to change "natural gray" to "gray" for identification of grounded conductors.
- 3) Addition of definitions for portable and stationary appliances.
- 4) Revision of attachment plug rating requirement and addition of marking for certain stationary cord-connected appliances.
- 5) Addition of rating requirement for appliances having multiple motors and/or combination loads that provide a marked hp rating.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm 2000

Send comments (with copy to BSR) to: Megan Van Heirselee, UL-IL; Megan.M.VanHeirselee@us.ul.com

★ BSR/UL 174-200x, Standard for Safety for Household Electric Storage Tank Water Heaters (bulletin dated May 13, 2004) (revision of ANSI/UL 174-2004)

The initial ballot of the Eleventh Edition of UL 174, the Standard for Household Electric Storage Tank Water Heaters, did not include the Supplement SA - Electric Storage Tank Water Heaters for Marine Use. This bulletin proposes the Supplement SA - Electric Storage Tank Water Heaters for Marine Use of UL 174.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Tori Burnett, UL-NC; Victoria.Burnett@us.ul.com

BSR/UL 404-200x, Gauges, Indicating Pressure, for Compressed Gas Service (Standard dated 9/30/97) (revision of ANSI/UL 404-1996)

These requirements cover indicating pressure gauges of the elastic element type usually employed in the high-pressure side of regulators or reducing valves used on compressed gas containers or cylinders of oxygen, hydrogen, nitrogen, and other gases. Such gauges usually have pressure ranges of 0-1500, 0-200, 0-3000, or 0-4000 pounds per square inch (psig) (0-10.34, 0-13.78, 0-20.68, or 0-27.56 MPa).

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Marcia Kawate, UL-CA; Marcia.M.Kawate@us.ul.com

BSR/UL 486C-200x, Standard for Safety for Splicing Wire Connectors (New Edition - Bulletin Dated 4/29/04) (revision of ANSI/UL 486C-2001)

This bulletin proposes substantive changes in requirements based on comments received in response to the ANSI ballot of the proposed Fifth edition of UL 486C, bulletin dated December 16, 2003.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Dixie Stevens, UL-NC; Dixie.W.Stevens@us.ul.com

BSR/UL 943-200x, Ground-Fault Circuit-Interrupters (revision of ANSI/UL 943-2004)

Addition of requirements for GFCI receptacle end of life test and revision of requirements for reverse line-load miswire test.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

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

BSR/UL 1275-200x, Standard for Safety for Flammable Liquid Storage Cabinets (Bulletin dated 4/21/2004) (revision of ANSI/UL 1275-1996)

The following items are subject to comments:

- 1) Clarification of the Fire Endurance Test;
- 2) Addition of a Sump Leakage Test;
- 3) Addition of Self Closing Door Mechanism Requirements;
- 4) Marking requirements;
- 5) Size Requirement for "Flammable - Keep Fire Away" label.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

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

Comment Deadline: July 6, 2004

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoptions

BSR/AAMI CDV1 11607-01-200x, Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging (identical national adoption and revision of ANSI/AAMI/ISO 11607-2000)

Specifies the requirements and test methods for materials, preformed sterile barrier systems, sterile barrier systems and packaging systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

Single copy price: \$25.00/20.00 for AAMI members

Order from: AAMI (Attn: Customer Service)

Send comments (with copy to BSR) to: Hae Choe, AAMI; hchoe@aami.org

BSR/AAMI CDV1 11607-2-200x, Packaging for terminally sterilized medical devices - Part 2: Validation and requirements for forming, sealing and assembly processes (identical national adoption and revision of ANSI/AAMI/ISO 11607-2000)

Specifies the requirements for development and validation of processes for packaging medical devices that are terminally sterilized and maintain sterility to the point of use. These processes include forming, sealing and assembly of preformed sterile barrier systems, sterile barrier systems and packaging systems.

Single copy price: \$25.00/20.00 for AAMI members

Order from: AAMI (Attn: Customer Service)

Send comments (with copy to BSR) to: Hae Choe, AAMI; hchoe@aami.org

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME OM Code-200x, Code for Operation and Maintenance of Nuclear Power Plants (revision of ANSI/ASME OM Code-2001)

Establishes the requirements for preservice and in service testing and examination of certain components to assess their operational readiness in light water reactor power plants.

Single copy price: \$20.00

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

Send comments (with copy to BSR) to: Shannon Burke, ASME; burkes@asme.org

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

New Standards

BSR A10.5-200x, Safety Requirements for Material Hoists (new standard)

This standard applies to materials hoists used to raise or lower material.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

BSR A10.20-200x, Ceramic Tile, Terrazo, and Marble Work - Safety Requirements (new standard)

This standard establishes safety requirements for construction operations and equipment used in the handling and installation of ceramic tile, terrazzo, and marble. The types of construction are not listed. The standard is intended to apply to buildings of all kinds and to heavy construction, such as work in tunnels.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

- ★ BSR A10.24-200x, Roofing - Safety Requirements for Low-Sloped Roofs (new standard)

This standard establishes safe operating practices for the installation, maintenance and removal of membrane roofing that is seamed or seamless on low-sloped roofs with a maximum slope of four (4) and twelve (12). These types of roofs include, but are not necessarily limited to, hot and cold built-up roofing, single-ply roofing, polyurethane foam (PUF) roofing, liquid-type roofing (Hypalon, polyurethane, etc.), and modified bitumen.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

- ★ BSR A10.36-200x, Safety Standard for Railroad Construction, Maintenance, Inspection, Analysis, and Demolition Equipment (new standard)

This document provides the minimum safety requirements for the application of techniques to be used in the performance of potential failure mode and effect analysis (FMEA) for railroad construction, maintenance, inspection, analysis, and demolition machinery, equipment, and tools.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

- ★ BSR A10.40-200x, Ergonomics in Construction (new standard)

This standard applies to all construction work which poses a risk of musculoskeletal injuries in construction.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

Revisions

- ★ BSR A10.17-200x, Safe Operating Practices for Hot Mix (HMA) Construction (revision of ANSI A10.17-1997)

This standard applies to those operations involving hot mix asphalt (bituminous) mixtures and materials for construction and resurfacing. Safe work practices are included for the protection of workers and the public and are to be considered the vital safety requirements for designers, manufacturers and installers of such equipment and materials.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE; tfisher@asse.org

Send comments (with copy to BSR) to: Same

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 746B-200x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-1997)

These requirements cover long-term test procedures to be used for the evaluation of polymeric materials used for parts intended for specific applications in end products.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Raymond Suga, UL (Organization); Raymond.M.Suga@us.ul.com

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

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

ANSI/ADA 3-1962 (R1994), Impression Compound, Dental

ANSI/ADA 29-1976 (R1994), Instruments, Dental; General Specifications

ANSI/ADA 64-1986 (R1994), Dental Explorers

Correction

BSR/AAMI/ISO 10993-13-1999 (R200x)

In the Call for Comment section of the April 30, 2004 issue of Standards Action, the single copy price for BSR/AAMI/ISO 10993-13-1999 (R200x) was incorrectly listed as \$25.00. The non-member price is actually \$70.00 not \$25.00. For inquiries contact Hillary Woehrle, AAMI; hwoehrle@aami.org.

Call for Comment Contact Information

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

Order from:

AAMI

Association for the Advancement
of Medical Instrumentation
(AAMI)
1110 N Glebe Road
Suite 220
Arlington, VA 22201
Phone: (703) 525-4890 x229

Fax: (703) 276-0793
Web: www.aami.org

ADA

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 440-2509
Fax: (312) 440-2529

AIAA

American Institute of Aeronautics
and Astronautics
1801 Alexander Bell Drive, Suite
500
Reston, VA 20191-4344
Phone: 703-264-7639
Fax: 703-264-7551
Web: www.aiaa.org/menu.hfm

AISC

American Institute of Steel
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One East Wacker Drive Suite
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Fax: (312) 644-4226
Web: www.aisc.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526-5592
Phone: (708) 579-8269
Fax: (708) 352-6464
Web: www.ans.org/main.html

ANSI

American National Standards
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25 West 43rd Street
4th Floor
New York, NY 10036
Phone: (212) 642-4980
Web: www.ansi.org

ASHRAE

American Society of Heating,
Refrigerating and
Air-Conditioning Engineers, Inc.
1791 Tullie Circle, N.E.
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME

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Three Park Avenue, M/S 20N1
New York, NY 10016
Phone: (212) 591-8460
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1800 East Oakton Street
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Des Plaines, IL 60018-2187
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Fax: (847) 296-9221

ASTM

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

ATIS

Alliance for Telecommunications
Industry Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
Phone: (202) 434-8839
Fax: (202) 347-7125
Web: www.atis.org

comm2000

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

Global Engineering Documents

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

NBBPVI

National Board of Boiler and
Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, OH 43229-1183
Phone: (614) 888-8320
Fax: (614) 847-1828
Web:
www.nationalboard.org/index.html

NEMA (ASC C78)

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

NGCMA

National Golf Car Manufacturers
Association
2 Ravinia Drive, Suite 1200
Atlanta, GA 30346-2112
Phone: (770) 394-7200
Fax: (770) 395-7698

OPEI

Outdoor Power Equipment Institute
341 South Patrick Street
Alexandria, VA 22314
Phone: (703) 549-7600
Fax: (703) 549-7604
Web: opei.mow.org

SCTE

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

Send comments to:

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Fax: 703-264-7551
Web: www.aiaa.org/menu.hfm

AISC

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Web: www.ans.org/main.html

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American Society of Heating,
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Air-Conditioning Engineers, Inc.
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Fax: (404) 321-5478
Web: www.ashrae.org

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ASSE

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Fax: (847) 296-9221

ASTM

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100 Barr Harbor Drive
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Fax: (610) 832-9666
Web: www.astm.org

ATIS

Alliance for Telecommunications
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1200 G Street NW, Suite 500
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Phone: (202) 434-8839
Fax: (202) 347-7125
Web: www.atis.org

NBBPVI

National Board of Boiler and
Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, OH 43229-1183
Phone: (614) 888-8320
Fax: (614) 847-1828
Web:
www.nationalboard.org/index.html

NEMA (ASC C78)

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

NGCMA

National Golf Car Manufacturers
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2 Ravinia Drive, Suite 1200
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Phone: (770) 394-7200
Fax: (770) 395-7698

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Phone: (703) 549-7600
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SCTE

Society of Cable
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140 Phillips Road
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Phone: (610) 524-1725 x204
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TIA

Telecommunications Industry
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2500 Wilson Boulevard
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Phone: (703) 907-7706
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UL-CA

Underwriters Laboratories, Inc.
1655 Scott Boulevard
Santa Clara, CA 95050
Phone: (408) 876-2996

UL-IL

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

UL-NC

Underwriters Laboratories, Inc.
12 Laboratory Drive, PO Box
13995
Research Triangle Park, NC
27709-3995
Phone: (919) 549-1885
Fax: (919) 547-6182

UL-NY

Underwriters Laboratories, Inc.
1285 Walt Whitman Road
Melville, NY 11747-3081
Phone: (631) 271-6200 x23305
Fax: (631) 439-6021

Initiation of Canvasses

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

OPEI (Outdoor Power Equipment Institute)

Office: 341 South Patrick Street
Alexandria, VA 22314

Contact: Rebecca Fiedler

Phone: (703) 549-7600

Fax: (703) 549-7604

E-mail: rhfiedler@opei.org

BSR B71.3-200x, Outdoor Power Equipment - Snow Throwers - Safety Specifications (revision and redesignation of ANSI/OPEI B71.3-1995)

UL (Underwriters Laboratories, Inc.)

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

Contact: Raymond Suga

Phone: (631) 271-6200 ext. 22593

Fax: (631) 439-6021

E-mail: Raymond.M.Suga@us.ul.com

BSR/UL 746B-200x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-1997)

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.

AISC (American Institute of Steel Construction)

Reaffirmations

ANSI/AISC N690-1994 (R2004), Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities (reaffirmation of ANSI AISC N690-1994): 4/30/2004

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME MFC-3M-1-2004, Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi - Part 1: General (new standard): 4/30/2004

ANSI/ASME MFC-3M-2-2004, Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi - Part 2: Orifice Plates (new standard): 4/30/2004

ANSI/ASME MFC-3M-3-2004, Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi - Part 3: Nozzles and Venturi Nozzles (new standard): 4/30/2004

ANSI/ASME MFC-3M-4-2004, Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi - Part 4: Venturi Meters (new standard): 4/30/2004

AWWA (American Water Works Association)

Reaffirmations

ANSI/AWWA C703-1996 (R2004), Cold Water Meters - Fire Service Type (reaffirmation of ANSI/AWWA C703-1996): 4/30/2004

Revisions

ANSI/AWWA C215-2004, Extruded Polyolefin Coatings for Exterior of Steel Water Pipelines (revision of ANSI/AWWA C215-1999): 4/30/2004

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE 1003.13-2003, Standard for Information Technology - Standardized Application Environment Profile - POSIX Realtime and Embedded Application Support (AEP) (new standard): 4/26/2004

ANSI/IEEE 1003.26-2003, Standard for Information Technology - Portable Operating System Interface (POSIX) - Part 26: Device Control Application Program Interface (API) [C Language] (new standard): 4/26/2004

ANSI/IEEE 1366-2003, Guide for Electric Power Distribution Reliability Indices (new standard): 4/26/2004

ANSI/IEEE 1490-2003, Adoption of PMI Standard - A Guide to the Project Management Body of Knowledge (PMBOK Guide) (new standard): 4/26/2004

ANSI/IEEE C57.13-2003, Standard Requirements for Instrument Transformers (new standard): 4/26/2004

Reaffirmations

ANSI/IEEE 802.2-1990 (R2003), Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 2: Logical Link Control (reaffirmation of ANSI/IEEE 802.2-1990 (R1998), ANSI/IEEE 802.2a-1994, ANSI/IEEE 802.2b-1994, ANSI/IEEE 802.2c-1998, ANSI/IEEE 802.2d-1994, ANSI/IEEE 802.2e-1994, ANSI/IEEE 802.2f-1998, ANSI/IEEE 802.2h-1998, ANSI/IEEE 802.5p-1994): 4/26/2004

ANSI/IEEE 802.5-1998 (R2003), Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 5: Token Ring Access Method and Physical Layer Specifications (reaffirmation of ANSI/IEEE 802.5-1998, ANSI/IEEE 802.5j-1998, ANSI/IEEE 802.5r-1998, ANSI/IEEE 802.5t-2000, ANSI/IEEE 802.5v-2001, ANSI/IEEE 802.5w-2000): 4/26/2004

ANSI/IEEE C57.19.100-1995 (R2003), Guide for Application of Power Apparatus Bushings (reaffirmation of ANSI/IEEE C57.19.100-1995): 4/26/2004

Revisions

ANSI/IEEE 635-2003, Guide for Selection and Design of Aluminum Sheaths for Power Cables (revision of ANSI/IEEE 635-1989 (R1994)): 4/26/2004

NSF (NSF International)

Revisions

ANSI/NSF 173-2004 (i4), Dietary supplements (revision of ANSI/NSF 173-2003): 4/30/2004

TIA (Telecommunications Industry Association)

Revisions

ANSI/TIA 570-B-2004, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-A-1999): 4/30/2004

UL (Underwriters Laboratories, Inc.)

New National Adoptions

- ★ ANSI/UL 60947-4-1-2004, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters; Electromechanical contactors and motor-starters (national adoption with modifications): 3/25/2004

New Standards

ANSI/UL 2351-2004, Standard for Safety for Spray Nozzles for Fire-Protection Service (new standard): 4/27/2004

Reaffirmations

ANSI/UL 1998-1999 (R2004), Standard for Safety for Software in Programmable Components (reaffirmation of ANSI/UL 1998-1999): 4/28/2004

Revisions

ANSI/UL 20-2004, Standard for Safety for General-Use Snap Switches
(revision of ANSI/UL 20-2002): 4/26/2004

ANSI/UL 407-2004, Manifolds for Compressed Gases (revision of
ANSI/UL 407-1995): 4/23/2004

- ★ ANSI/UL 1026-2004, Standard for Safety for Electric Household
Cooking and Food Serving Appliances (revision of ANSI/UL
1026-2002): 4/29/2004

Approval Rescinded

ANSI/API 8B/ISO 13534-2003, Addendum 1

As requested by the SDO, the approval of the above standard has been rescinded. The standard was listed in the Final Actions section of the November 21, 2003 issue of Standards Action.

Project Initiation Notification System (PINS)

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

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

ASME (American Society of Mechanical Engineers)

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

Contact: *Silvana Rodriguez*

Fax: (212) 591-8501

E-mail: rodriguez@asme.org; ANSIBox@asme.org;
JonesG@asme.org

BSR/ASME A112.18.1M-200x, Plumbing Fixture Fittings (revision of ANSI/ASME A112.18.1M-2003)

Stakeholders: Manufacturers of plumbing fixture fittings and installers and users of such devices and government agencies regulating the use and installation of such devices.

Project Need: There is a continuing need to provide the latest information concerning requirements for plumbing fixture fittings.

This Standard applies to plumbing supply fittings and accessories located between the supply line stop and the terminal fitting, inclusive, as follows:

- (a) automatic compensating valves for individual wall-mounted showering systems;
- (b) bath and shower supply fittings;
- (c) bidet supply fittings;
- (d) clothes washer supply fittings;
- (e) drinking fountain supply fittings;
- (f) humidifier supply stops;
- (g) kitchen, sink, and lavatory supply fittings;
- (h) laundry tub supply fittings;
- (i) lawn and sediment faucets;
- (j) metering and self-closing supply fittings; and
- (k) supply stops.

BSR/ASME A112.18.2M-200x, Plumbing Fixture Waste Fittings (revision of ANSI/ASME A112.18.2M-2002)

Stakeholders: Manufacturers of plumbing fixture waste fittings and installers and users of such devices and government agencies regulating the use and installation of such devices.

Project Need: There is a continuing need to provide the latest information concerning requirements for plumbing fixture waste fittings.

Applies to plumbing waste fittings NPS-2 and smaller.

CSA (CSA America, Inc.)

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BSR/CSA FC 7-200x, Hermetic Motor-Compressors for Use with Hydrogen Gas (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

This standard applies to hermetic motor-compressors rated 7200 V or less, for use with hydrogen gas. This standard also applies to motor protection systems that may be provided with motor-compressors. This standard does not include additional requirements applicable to equipment designed for use in hazardous locations.

BSR/CSA FC 8-200x, Gas Processing Units (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

This standard applies to gas processing units rated 600 V or less. This standard does not include additional requirements applicable to equipment designed for use in hazardous locations.

BSR/CSA FC 9-200x, Fuel Cell Heating Appliances (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

This standard covers the safe operation, substantial and durable construction, and acceptable performance of fuel cell heating systems.

BSR/CSA HG10-200x, Hydrogen Gas Regulators (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for hydrogen appliance pressure regulators for use with gaseous hydrogen. Such devices, either individual or in combination with other controls, are intended to control selected outlet hydrogen pressures to individual hydrogen appliances.

BSR/CSA HG11-200x, Automatic Valves for Hydrogen Gas Appliances (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for individual automatic valves, valves utilized as parts of automatic hydrogen ignition systems, or the automatic valve functions of combination controls. This standard does not apply to self-contained automatic hydrogen shutoff valves for hot water supply systems.

BSR/CSA HG12-200x, Combination Hydrogen Gas Controls for Appliances (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for combination hydrogen gas controls for gaseous hydrogen appliances. A combination hydrogen gas control is defined as an assembly of two or more different functions, at least one of which conveys hydrogen gas in a single unit without the use of pipe nipples.

BSR/CSA HG13-200x, Hosing and Fittings for Hydrogen Gas Appliances (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

This standard contains safety requirements for material, design, manufacture and testing of gaseous hydrogen hose and hose assemblies. This standard applies to newly manufactured hose and hose assemblies.

BSR/CSA HG14-200x, Connectors for Hydrogen Gas Appliances (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for gaseous hydrogen appliance connectors comprised of: semi-rigid metal tubing and a fitting at each end for connection to a hydrogen gas appliance and to house piping; or corrugated tubing depending on all-metal construction for gastightness. Such connectors are suitable for connecting hydrogen gas-fired appliances to fixed hydrogen gas supply lines.

BSR/CSA HG15-200x, Hydrogen Gas Line Pressure Regulators (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for line pressure regulators, either individual or in combination with over pressure protection devices intended for application in hydrogen gas piping systems between the service regulator and the gaseous hydrogen appliance(s).

BSR/CSA HG16-200x, Hydrogen Gas Manual Valves (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for manually operated hydrogen gas valves which are substantially of the plug and body, or rotating disc type, and to valves of other types which will provide equivalent performance. The standard presents minimum levels for the substantial and durable construction, safe operation and acceptable performance of such valves.

BSR/CSA HG17-200x, Gaseous Hydrogen Appliance Sediment Traps (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Develop standard for safety

Details test and examination criteria for gaseous hydrogen appliance sediment traps. A sediment trap is defined as a device intended to protect appliance hydrogen gas controls from dirt and foreign particles which may be present in hydrogen gas piping.

BSR/CSA HG18-200x, Hydrogen Gas Pilot Filters (new standard)

Stakeholders: Consumers, Manufacturers, Suppliers, Certification Agencies

Project Need: Create a standard for safety

This standard applies to newly produced pilot hydrogen gas filters constructed entirely of new, unused parts and materials.

FM Approvals

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Contact: Patrick Byrne

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E-mail: Patrick.Byrne@FMGlobal.com

BSR FM6325-200x, Performance Requirements for Open Path Gas Monitors (new standard)

Stakeholders: All gas detection equipment manufacturers and users of this equipment.

Project Need: Currently there are no ANSI, US or Canadian standards relating the performance of open path gas monitors.

This standard is concerned with the details of construction, performance and testing of open path (line-of-sight) gas monitors electrical instruments that sense the presence of combustible gas or vapor concentrations in air. Based on associated requirements this standard considers the suitability of the instruments or parts thereof for use in Class I, hazardous (classified) locations as defined by the National Electrical Code® (ANSI/NFPA 70).

NEMA (ASC C18) (National Electrical Manufacturers Association)

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Rosslyn, VA 22209

Contact: Carin Bernstiel

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BSR C18.1M, Part 1-200x, Portable Primary Cells and Batteries with Aqueous Electrolyte - General and Specifications (revision of ANSI C18.1M, Part 1-2001)

Stakeholders: Testing laboratory, producers, and consumers.

Project Need: Revision of ANSI C18.1M Part 1-2001. Update to reflect current products in market place.

This standard applies to portable primary cells and batteries with aqueous electrolyte and a zinc anode (non-lithium). This edition includes the following electrochemical systems:

- a) Carbon zinc (LeClanche and zinc chloride types);
- b) Alkaline manganese dioxide;
- c) Silver oxide; and
- d) Zinc air.

NSF (NSF International)

Office: P.O. Box 130140
Ann Arbor, MI 48113-0140

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E-mail: badman@nsf.org

BSR/NSF 304-200x, China, glass and porcelain dinnerware (new standard)

Stakeholders: Manufacturers, specifiers (e.g., engineering firms, plant operators), regulators, and drinking water consumers

Project Need: There needs to be a Standard developed for the minimum food protections and sanitation requirements for china, glass and porcelain dinnerware.

Will establish requirements for dinnerware, china, glass and porcelain intended for use in food and residential establishments. The requirements are applicable to plates, bowls, saucers, cups, tumblers, compartmentalized trays, dinnerware covers, and similar items, regardless of size or configuration, from which food is consumed or served.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Phillips Road
Exton, PA 19341

Contact: Robin Fenton

E-mail: rfenton@scte.org

BSR/SCTE 24-3-200x, IPCablecom Part 3: Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems (revision of ANSI/SCTE 24-3-2001)

Stakeholders: Cable Telecommunication Industry

Project Need: Update the current standard

This Specification describes a profile of an application programming interface, Media Gateway Controller Interface (MGCI), and a corresponding protocol, Media Gateway Control Protocol (MGCP), for controlling voice-over-IP (VoIP) embedded clients from external call control elements.

BSR/SCTE 24-4-200x, IPCablecom Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (revision of ANSI/SCTE 24-4-2001)

Stakeholders: Cable Telecommunication Industry

Project Need: Update the current standard

The scope of this specification is to define the QoS Architecture for the "Access" portion of the IPCablecom network, provided to requesting applications on a per-flow basis.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NBBPVI
- NSF International
- TIA
- Underwriters Laboratories Inc.

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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

ISO and IEC Draft International Standards



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

Comments

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

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ISO Standards

DENTISTRY (TC 106)

ISO/DIS 21531, Dentistry - Graphical symbols - 7/31/2004, \$53.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 7136, Earth-moving machinery - Pipelayers - Terms, definitions and commercial specifications - 7/31/2004, \$63.00

ISO/DIS 21507, Earth moving machinery - Requirements for non-metallic tanks - 7/31/2004, \$32.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 10161-1, Information and documentation - Interlibrary loan application protocol specification - Part 1: Protocol specification - 7/29/2004, \$156.00

ISO/DIS 10161-2, Information and documentation - Interlibrary loan application protocol specification - Part 2: Protocol implementation conformance statement (PICS) proforma - 7/29/2004, \$88.00

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

ISO/DIS 16070, Petroleum and natural gas industries - Downhole equipment - Lock mandrels and landing nipples - 7/31/2004, \$78.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 4263-3, Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 3: Anhydrous procedure for synthetic hydraulic fluids - 7/31/2004, \$72.00

ISO/DIS 4263-4, Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 4: Procedure for industrial gear oils - 7/31/2004, \$63.00

PLASTICS (TC 61)

ISO 9994/DAmD1, Safety symbols - 7/31/2004, \$38.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 11137-1, Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices - 7/31/2004, \$102.00

ISO/DIS 11137-3, Sterilization of health care products - Radiation - Part 3: Guidance on dosimetric aspects - 7/31/2004, \$63.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 24347, Agricultural vehicles - Mechanical connections between towed and towing vehicles - Dimensions of ball-type coupling device (80 mm) - 7/31/2004, \$53.00

IEC Standards

2/1299/FDIS, IEC 60034-11 Ed. 2: Rotating electrical machines - Part 11: Thermal protection, 07/02/2004

20/696/FDIS, IEC 60332-1-1 Ed.1: Tests on electric and optical fibre cables under fire conditions - Part 1-1: Test for vertical flame propagation for a single insulated wire or cable - Apparatus, 07/02/2004

20/697/FDIS, IEC 60332-1-2 Ed.1: Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame, 07/02/2004

20/698/FDIS, IEC 60332-1-3 Ed.1: Tests on electric and optical fibre cables under fire conditions - Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles, 07/02/2004

20/699/FDIS, IEC 60332-2-1 Ed.1: Tests on electric and optical fibre cables under fire conditions - Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable - Apparatus, 07/02/2004

20/700/FDIS, IEC 60332-2-2 Ed.1: Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame, 07/02/2004

23A/446/FDIS, IEC 61386-24 Ed.1: Conduit systems for cable management - Part 24: Particular requirement for conduit systems buried underground, 07/02/2004

26/283/FDIS, IEC 60974-11 Ed.2: Arc welding equipment - Part 11: Electrode holders, 07/02/2004

31H/176/FDIS, IEC 61241-18, Ed.1: Electrical apparatus for use in the presence of combustible dust - Part 18: Protection by encapsulation 'mD', 07/02/2004

34B/1144/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps - Amendment 34, 07/02/2004

- 34B/1145/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders - Amendment 31, 07/02/2004
- 34B/1146/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges - Amendment 33, 07/02/2004
- 45B/443/FDIS, IEC 62022 Ed. 1: Installed monitors for the control and detection of gamma radiations contained in recyclable or non-recyclable materials transported by vehicles, 07/02/2004
- 48B/1447/FDIS, IEC 60512-25-5 Ed.1: Connectors for electronic equipment - Tests and measurements - Part 25-5: Test 25e - Return loss, 07/02/2004
- 48B/1448/FDIS, IEC 61076-7-001 Ed.1: Connectors for electronic equipment - Part 7-001: Cable outlet accessories - Blank detail specification, 07/02/2004
- 61/2681/FDIS, IEC 60335-2-2-A1 Ed 5.0: Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances, 07/02/2004
- 61/2683/FDIS, IEC 60335-2-21-A1 Ed 5.0: Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters, 07/02/2004
- 62C/372/FDIS, Amendment 1 to IEC 60601-2-11 Ed.2: Medical electrical equipment - Part 2-11: Particular requirements for the safety of gamma beam therapy equipment (Equipment for multi-source stereotactic radiotherapy), 07/02/2004
- 77B/419/FDIS, IEC 61000-4-4: Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test - Basic EMC Publication, 06/18/2004
- 78/582/FDIS, IEC 61472 Ed.2: Live working - Minimum approach distances for AC systems in the voltage range 72,5 kV to 800kV - A method of calculation, 06/18/2004
- 80/393/FDIS, IEC 62252 Ed.1: Maritime navigation and radiocommunication equipment and systems - Radar for craft not in compliance with IMO SOLAS Chapter V - Performance requirements, methods of test and required test results, 06/18/2004
- 80/394/FDIS, IEC 61108-4 Ed.1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 4: Shipborne DGPS and DGLONASS maritime radio beacon receiver equipment - Performance requirements, methods of testing and required test results, 06/18/2004
- 101/178/FDIS, IEC 601340-4-5 Ed.1: Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterising the electrostatic protection of footwear and flooring in combination with a person, 06/18/2004

Newly Published ISO and IEC Standards



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

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

ISO Standards

ACOUSTICS (TC 43)

[ISO 17497-1:2004](#), Acoustics - Sound-scattering properties of surfaces - Part 1: Measurement of the random-incidence scattering coefficient in a reverberation room, \$53.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 8552:2004](#), Milk - Estimation of psychrotrophic microorganisms - Colony-count technique at 21 degrees C (Rapid method), \$38.00

[ISO 8553:2004](#), Milk - Enumeration of microorganisms - Plate-loop technique at 30 degrees C, \$43.00

DENTISTRY (TC 106)

[ISO 1562:2004](#), Dentistry - Casting gold alloys, \$63.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 12649:2004](#), Graphic technology - Safety requirements for binding and finishing systems and equipment, \$156.00

INDUSTRIAL TRUCKS (TC 110)

[ISO 22878:2004](#), Castors and wheels - Test methods and apparatus, \$83.00

[ISO 22879:2004](#), Castors and wheels - Requirements for castors for furniture, \$53.00

[ISO 22880:2004](#), Castors and wheels - Requirements for castors for swivel chairs, \$53.00

[ISO 22882:2004](#), Castors and wheels - Requirements for castors for hospital beds, \$53.00

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

[ISO 10427-2:2004](#), Petroleum and natural gas industries - Equipment for well cementing - Part 2: Centralizer placement and stop-collar testing, \$58.00

[ISO 13680/Cor2:2004](#), Petroleum and natural gas industries - Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock - Technical delivery conditions - Corrigendum, FREE

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 3838:2004](#), Crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary-stoppered pycnometer and graduated bicapillary pycnometer methods, \$67.00

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

[ISO 15493/Cor1:2004](#), Corrigendum, FREE

ROAD VEHICLES (TC 22)

[ISO 7862:2004](#), Road vehicles - Sled test procedure for the evaluation of restraint systems by simulation of frontal collisions, \$53.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 15749-1:2004](#), Ships and marine technology - Drainage systems on ships and marine structures - Part 1: Sanitary drainage-system design, \$72.00

[ISO 15749-2:2004](#), Ships and marine technology - Drainage systems on ships and marine structures - Part 2: Sanitary drainage, drain piping for gravity systems, \$49.00

[ISO 15749-3:2004](#), Ships and marine technology - Drainage systems on ships and marine structures - Part 3: Sanitary drainage, drain piping for vacuum systems, \$72.00

[ISO 15749-5:2004](#), Ships and marine technology - Drainage systems on ships and marine structures - Part 5: Drainage of decks, cargo spaces and swimming pools, \$43.00

SMALL CRAFT (TC 188)

[ISO 8847:2004](#), Small craft - Steering gear - Cable and pulley systems, \$43.00

STEEL (TC 17)

[ISO 13887:2004](#), Cold-reduced steel sheet of higher yield strength with improved formability, \$53.00

[ISO 16143-1:2004](#), Stainless steels for general purposes - Part 1: Flat products, \$78.00

TEXTILES (TC 38)

[ISO 15496:2004](#), Textiles - Measurement of water vapour permeability of textiles for the purpose of quality control, \$53.00

WATER QUALITY (TC 147)

[ISO 11731-2:2004](#), Water quality - Detection and enumeration of Legionella - Part 2: Direct membrane filtration method for waters with low bacterial counts, \$49.00

[ISO 18073:2004](#), Water quality - Determination of tetra- to octa-chlorinated dioxins and furans - Method using isotope dilution HRGC/HRMS, \$125.00

ISO Technical Reports**PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)**

[ISO/TR 11610:2004](#), Protective clothing - Vocabulary, \$147.00

ISO Technical Specifications**INFORMATION AND DOCUMENTATION (TC 46)**

[ISO/TS 23081-1:2004](#), Information and documentation - Records management processes - Metadata for records - Part 1: Principles, \$67.00

IEC Standards**DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)**

[IEC 61360-5 Ed. 1.0 en:2004](#), Standard data element types with associated classification scheme for electric components - Part 5: Extensions to the EXPRESS dictionary schema, \$135.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60670-21 Ed. 1.0 b:2004](#), Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means, \$39.00

ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

[IEC 60092-351 Ed. 3.0 en:2004](#), Electrical installations in ships - Part 351: Insulating materials for shipboard and offshore units, power, control, instrumentation, telecommunication and data cables, \$52.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

[IEC 61076-2-101 Ed. 1.0 b:2004](#), Connectors for electronic equipment - Part 2-101: Circular connectors - Detail specification for circular connectors M8 with screw- or snap-locking, M12 with screw-locking for low voltage applications, \$118.00

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

[IEC 61125 Amd.1 Ed. 1.0 b:2004](#), Amendment 1 - Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability, \$16.00

HYDRAULIC TURBINES (TC 4)

[IEC 62270 Ed. 1.0 en:2004](#), Hydroelectric power plant automation - Guide for computer-based control, \$158.00

INSULATING MATERIALS (TC 15)

[IEC 60450 Ed. 2.0 b:2004](#), Measurement of the average viscometric degree of polymerization of new and aged cellulosic electrically insulating materials, \$70.00

MAGNETIC ALLOYS AND STEELS (TC 68)

[IEC 60404-1-1 Ed. 1.0 b:2004](#), Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel sheet, strip and laminations, \$27.00

OTHER

[CISPR 16-1-2 Amd.1 Ed. 1.0 b:2004](#), Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances, \$39.00

OVENS AND MICROWAVE OVENS, COOKING RANGES AND SIMILAR APPLIANCES (TC 59K)

[IEC 60704-2-10 Ed. 1.0 b:2004](#), Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-10: Particular requirements for electric cooking ranges, ovens, grills, microwave ovens and any combination of these, \$52.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 61850-9-2 Ed. 1.0 en:2004](#), Communication networks and systems in substations - Part 9-2: Specific Communication Service Mapping (SCSM) - Sampled values over ISO/IEC 8802-3, \$87.00

ROTATING MACHINERY (TC 2)

[IEC 60034-1 Ed. 11.0 b:2004](#), Rotating electrical machines - Part 1: Rating and performance, \$158.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-13 Amd.1 Ed. 5.0 en:2004](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances, \$17.00

[IEC 60335-2-54 Amd.1 Ed. 3.0 en:2004](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam, \$19.00

SURGE ARRESTERS (TC 37)

[IEC/PAS 60099-7 Ed. 1.0 en:2004](#), Surge arresters - Part 7: Glossary of terms and definitions from IEC publications 60099-1, 60099-4, 60099-6, 61643-1, 61643-12, 61643-21, 61643-311, 61643-321, 61643-331 and 61643-341, \$135.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

[IEC 60439-1 Ed. 4.1 b:2004](#), Low-voltage switchgear and controlgear assemblies - Part 1: Type-tested and partially type-tested assemblies, \$190.00

IEC Technical Specifications

FIRE HAZARD TESTING (TC 89)

[IEC/TS 60695-11-3 Ed. 2.0 b:2004](#), Fire hazard testing - Part 11-3: Test flames - 500 W flames - Apparatus and confirmational test methods, \$95.00

[IEC/TS 60695-11-4 Ed. 2.0 b:2004](#), Fire hazard testing - Part 11-4: Test flames - 50 W flame - Apparatus and confirmational test method, \$79.00

ROTATING MACHINERY (TC 2)

[IEC/TS 60034-25 Ed. 1.0 en:2004](#), Rotating electrical machines - Part 25: Guide for the design and performance of cage induction motors specifically designed for converter supply, \$118.00

CEN/CENELEC Standards Activity



CENELEC

**Competitive Excellence Through
Standardization Technology**

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

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

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

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CEN

European drafts sent for CEN enquiry

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

EN ISO 9994: 2002/prA1, Lighters - Safety specification - Amendment 1: Safety symbols - 8/29/2004, \$28.00

prEN 14870-2, Petroleum and natural gas industries - Induction bends, fittings and flanges for pipeline transportation systems - Part 2: Fittings (ISO 15590-2: 2003 modified) - 8/29/2004, \$83.00

prEN 14919-1, Petroleum and natural gas industries - Cathodic protection of pipeline transportation systems - Part 1: On-land pipelines (ISO 15589-1: 2003 modified) - 8/29/2004, \$102.00

prEN ISO 4263-3, Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 3: Anhydrous procedure for synthetic hydraulic fluids - 8/29/2004, \$28.00

prEN ISO 4263-4, Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 4: Procedure for industrial gear oils - 8/29/2004, \$28.00

prEN ISO 10297, Transportable gas cylinders - Cylinder valves - Specification and type testing - 6/23/2004, \$28.00

prEN ISO 11137-1, Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices - 8/29/2004, \$28.00

prEN ISO 11137-3, Sterilization of health care products - Radiation - Part 3: Guidance on dosimetric aspects - 8/29/2004, \$28.00

prEN ISO 12215-5, Small craft - Hull construction and scantlings - Part 5: Design pressures, design stresses, scantling determination - 8/29/2004, \$28.00

prEN ISO 16070, Petroleum and natural gas industries - Downhole equipment - Lock mandrels and landing nipples - 8/29/2004, \$28.00

prEN ISO 21171, Rubber medical gloves - Determination of residual powder on surface - 6/23/2004, \$28.00

prEN ISO 21531, Dentistry - Graphical symbols - 8/29/2004, \$28.00

European drafts sent for formal vote (for information)

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

prEN 309 REVIEW, Particleboards - Definition and classification

prEN 1469, Natural stone products - Slabs for cladding - Requirements

prEN 1504-2, Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation conformity - Part 2: Surface protection systems for concrete

prEN 1996-1-1 REVIEW, Eurocode 6: Design of masonry structures - Part 1-1: Common rules for reinforced and unreinforced masonry structures

prEN 13707, Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing - Definitions and characteristics

prEN 13956, Flexible sheets for waterproofing - Plastic and rubber sheets for roof waterproofing - Definitions and characteristics

prEN 14428, Shower enclosures - Functional requirements and test methods

prEN 14527, Shower trays for domestic purposes

prEN 14591-1, Explosion prevention and protection in underground mining - Protective systems - Part 1: 2-bar explosion proof ventilation structure

prEN ISO 7369, Pipework - Metal hoses and hose assemblies - Vocabulary

prEN ISO 8536-4, Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed

prEN ISO 8536-8, Infusion equipment for medical use - Part 8: Infusion equipment for use with pressure infusion apparatus

prEN ISO 14644-5, Cleanrooms and associated controlled environments - Part 5: Operations (ISO/FDIS 14644-5: 2004)

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4946.

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

PUBLIC REVIEW

Department of Energy, Office of Cyber Security

Organization: Department of Energy, Office of Cyber Security
1000 Independence Avenue, SW
IM-30
Washington, DC 20585
Contact: Carol Bales
PHONE: 202-586-7865
E-mail: carol.bales@hq.doe.gov

Public review: May 5, 2004 to August 3, 2004

New York State Office for Technology

Organization: New York State Office for Technology
40 North Pearl Street, Floor 6
Albany, NY 12207
Contact: Neil Clasen
PHONE: 518-473-0225; FAX 518-486-7940
E-mail: Neil.Clasen@oft.state.ny.us

Public review: April 7, 2004 to July 6, 2004

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

Information Concerning

ANSI Accredited Standards Developers

Application for Accreditation

Consumer Specialty Products Association (CSPA)

Comment Deadline: June 6, 2004

The Consumer Specialty Products Association (CSPA) has submitted an Application for Accreditation as a Developer of American National Standards using its own organizational operating procedures. CSPA's proposed scope of accreditation is as follows:

CSPA represents primarily formulators and packagers of formulated consumer specialty products and is organized into seven Divisions: aerosol products; air care products; antimicrobial products; automotive and industrial products; cleaning products; pest management products; and polishes and floor maintenance products. Each of those Divisions has developed, or is likely to develop, standards regarding, among other factors: safety; product description, size, and rating; product evaluation test procedures; definitions of terms; labeling and other product information; and recommended levels of performance. In addition, CSPA maintains several General Committees, including indoor air quality and scientific affairs, which may develop standards for factors that apply to more than one division's products.

To obtain a copy of CSPA's proposed operating procedures, or to offer comments, please contact: Mr. John E. DiFazio Jr., Assistant General Counsel, Consumer Specialty Products Association, 900 17th Street NW, #300, Washington, DC 20006; PHONE: (202) 833-7303; FAX: (202) 872-8114; Email: jdifazio@cspa.org. Please submit your comments to CSPA by June 6, 2004, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: jthompo@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of CSPA's proposed operating procedures from ANSI Online during the public review period at the following URL: <http://public.ansi.org/ansionline/Documents/Standards%20Activities/Public%20Review%20and%20Comment/Accreditation%20Actions/>.

Approval of Reaccreditation

ASC A14 - Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders

The Executive Standards Council has approved the reaccreditation of Accredited Standards Committee A14, Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders, using revised operating procedures for documenting consensus on proposed American National Standards, effective April 28, 2004. The American Ladder Institute currently serves as the Secretariat of ASC A14.

For additional information, please contact: Mr. Ron Pietrzak, Executive Director, Association Headquarters, 401 North Michigan Avenue, Chicago, IL 60611; PHONE: (312) 644-6610; E-mail: ron_pietrzak@sba.com.

Call for Consumer Interest Members

ASC S1, S2, and S12

The Acoustical Society of America Standards Secretariat is seeking consumer interest members for Accredited Standards Committees S1, S2, and S12. Each of these ANSI-accredited standards committees is responsible for the development of national standards within its scope and also serves as the US Technical Advisory Groups (US TAG) to one or more parallel ISO/IEC standards committees.

The scope of ASC S1 Acoustics is: "Standards, specifications, methods of measurement and test, and terminology in the field of physical acoustics including architectural acoustics, electroacoustics, sonics and ultrasonics, and underwater sound, but excluding those aspects which pertain to biological safety, tolerances and comfort."

ASC S1 serves, in conjunction with S3 Bioacoustics, as the US TAG to IEC/TC 29 Electroacoustics, and ISO/TC 43 Acoustics.

The scope of ASC S2 Mechanical Vibration and Shock is: "Standards, specification, methods of measurement and test, and terminology in the field of mechanical vibration and shock, and condition monitoring and diagnostics of machines, but excluding those aspects which pertain to biological safety, tolerance and comfort."

ASC S2 serves as the US TAG to ISO/TC 108 Mechanical vibration and shock; ISO/TC 108/SC 2 Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures; ISO/TC 108/SC3 Use and calibration of vibration and shock measuring instruments; ISO/TC 108/SC 5 Condition monitoring and diagnostics of machines; and ISO/TC 108/SC 6 Vibration and shock generating systems.

The scope of ASC S12 Noise is: "Standards, specifications, and terminology in the field of acoustical noise pertaining to methods of measurement, evaluation, and control; including biological safety, tolerance and comfort, and physical acoustics as related to environmental and occupational noise."

ASC S12 serves as the US TAG to ISO/TC 43/SC 1 Noise.

Accredited Standards Committees seek to maintain a balance of interests within their membership to help assure that a broad cross section of views is taken into consideration in the development of national standards and also in the development of US positions on draft International Standards.

"Consumer interest" is defined as: A company or organization whose primary activity causes it to use or employ the products, goods or services that are affected by the standards developed by the particular committee. A Consumer may also be an organization that represents the health and safety interests of the general public or of specific groups including workers.

A professional society made up of individuals whose scientific interest is centered the field of knowledge affected by the standards developed by the particular committee that is primarily focused on the educational and professional development of those individuals may be considered a Consumer.

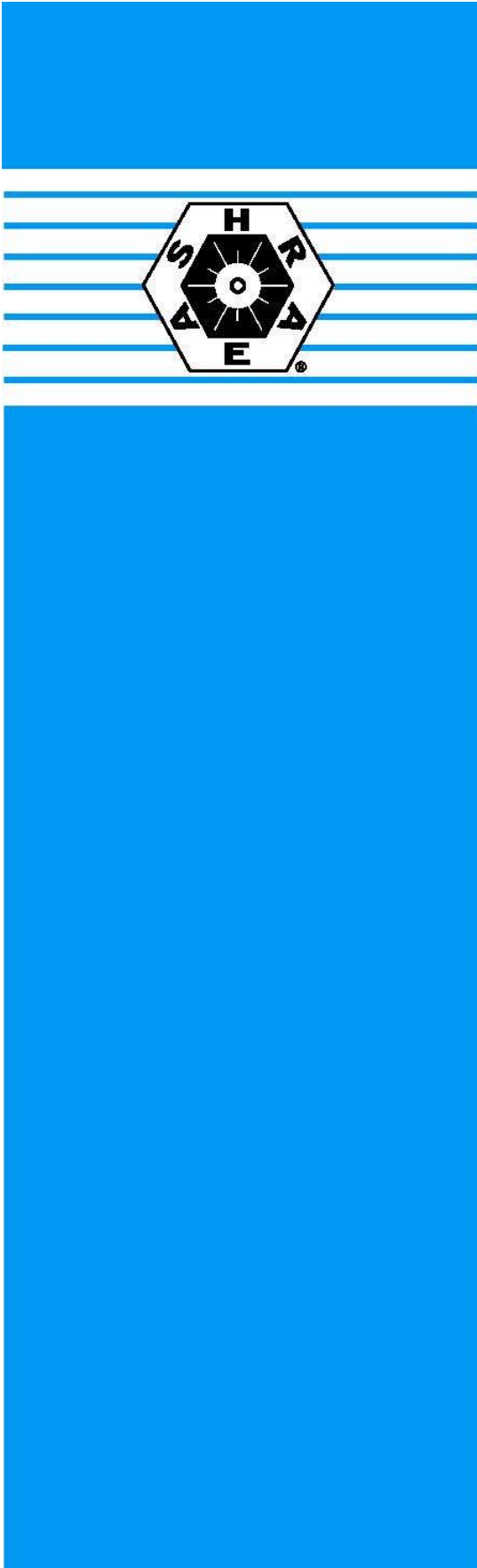
A consultant whose primary business involves representing Consumers is considered to be in the Consumer interest category.

If your company or organization is a consumer of standards developed by any of these committees and has an interest in becoming a member of the committee, please contact Susan Blaesser, Standards Manager, ASA Standards Secretariat, (631) 390-0215 or sblaesser@aip.org for additional information.

Meeting Notices

ASC Z87 - Safety Standards for Eye Protection

The Accredited Standards Committee Z87 on Safety Standards for Eye Protection will meet on Tuesday, May 25 (1-5 PM) and Wednesday, May 26 (8:30AM - Noon) at the Quality Hotel, 1200 North Courthouse Road, Arlington, VA in the Adams and Kennedy rooms. If you have questions or are interested in attending the Z87 Committee meeting, please contact Cristine Fargo at (703) 525-1695 or cfargo@safetysafetyequipment.org. The meeting is open to the public on a first-come, first-serve basis.



BSR/ASHRAE Addendum k
to ANSI/ASHRAE Standard 90.2-2001

Public Review Draft

ASHRAE® Standard

Proposed Addendum k to Standard 90.2-2001, *Energy- Efficient Design of Low-Rise Residential Buildings*

First Public Review (April 2004)
(Complete Draft for Full Review)

This draft has been recommend 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 responsible project committee, the ASHRAE Standards Committee, and the Board of Directors. Then it will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval. 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
AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, NE Atlanta GA 30329-2305

BSR/ASHRAE Addendum k to ANSI/ASHRAE Standard 90.2-2001, *Energy- Efficient Design of 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.)

Foreword

This proposed addendum revises the piping insulation requirements in ASHRAE Standard 90.2 to be consistent with the requirements in ASHRAE Standard 90.1-2001. Note: In this addendum, the changes described are revisions to the current standard (Standard 90.2 as revised by any addenda published on the ASHRAE web site). Only these changes are open for review and comment at this time.

Addendum k to 90.2-2001

Delete existing Section 6.3.2.1.1 and Tables 6-4a and 6-4b and replace them with the following section and table.

6.3.2.1.1 Insulation for Piping. HVAC system piping installed to serve buildings and to carry fluids within buildings shall be thermally insulated in accordance with Table 6.4.

**Table 6.4
Minimum Pipe Insulation Thickness (in inches)^{a, e}**

Fluid Design Operating Temp. Range (°F)	Insulation Conductivity		Nominal Pipe Diameter (in.)				
	Conductivity Btu*in./(h*ft ² *°F)	Mean Rating Temp. °F	<1	1 to 1-1/4	1-1/2 to 3- 1/2	4 to 6	≥8
Heating Systems (Steam, Steam Condensate and Hot Water) ^{b, c}							
201-250	0.27-0.30	150	1.5	1.5	2.0	2.0	2.0
141-200	0.25-0.29	125	1.0	1.0	1.0	1.5	1.5
105-140	0.22-0.28	100	0.5	0.5	1.0	1.0	1.0
Cooling Systems (Chilled Water, Brine, and Refrigerant) ^d							
40-55	0.22-0.28	100	0.5	0.5	1.0	1.0	1.0
Below 40	0.22-0.28	100	0.5	1.0	1.0	1.0	1.5

^a For insulation outside the stated conductivity range, the minimum thickness (T) shall be determined as follows:

$$T = r[(1 + t/r)^{K/k} - 1]$$

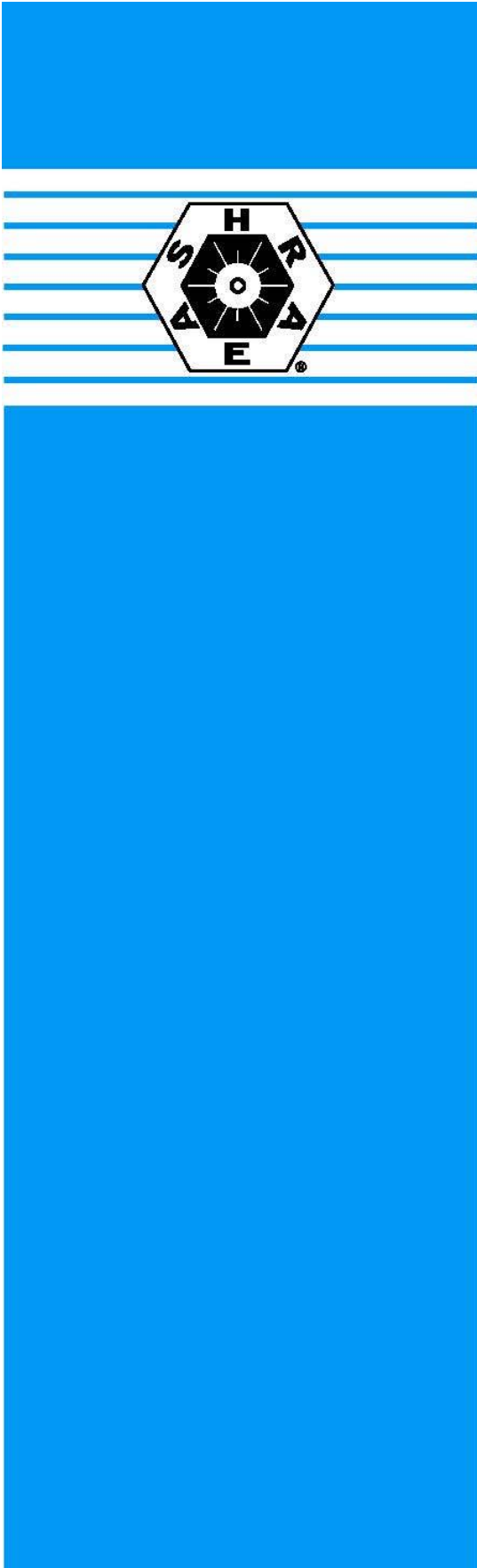
Where *T* = minimum insulation thickness (in.), *r* = actual outside radius of pipe (in.), *t* = insulation thickness listed in this table for applicable fluid temperature and pipe size, *K* = conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (Btu-in./h-ft²-°F), and *k* = the upper value of the conductivity range listed in this table for the applicable fluid temperature.

^b These thicknesses are based on energy efficiency considerations only. Additional insulation is sometimes required due to safety issues related to surface temperature.

^c Piping insulation is not required between the control valve and coil on run-outs when the control valve is located within 4 ft of the coil and the pipe size is 1 in. or less.

^d These thicknesses are based on energy efficiency considerations only. Issues such as water vapor permeability or surface condensation sometimes require vapor retarders and/or additional insulation.

^e For piping exposed to outdoor air, increase insulation thickness by 0.5 inch. This applies to any portion of insulation that is exposed to outdoor air.



BSR/ASHRAE Addendum j
to ANSI/ASHRAE Standard 90.2-2001

Public Review Draft

ASHRAE® Standard

Proposed Addendum j to Standard 90.2-2001, *Energy- Efficient Design of Low-Rise Residential Buildings*

Second Public Review (April 2004)
(Complete Draft for Full Review)

This draft has been recommend 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 responsible project committee, the ASHRAE Standards Committee, and the Board of Directors. Then it will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval. 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 Addendum j to ANSI/ASHRAE Standard 90.2-2001, *Energy- Efficient Design of Low-Rise Residential Buildings* Second 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.)

Foreword

This addendum clarifies that all combinations of cooling and heat pump equipment must have rated capacity and efficiency performance data consistent with federal law.

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.

Addendum j to 90.2-2001

This addendum proposes the following changes to Section 6.4.1.2 of the currently published standard:

~~**6.4.1.2 Nonrated Combinations.** Where elements such as indoor or outdoor coil combinations not rated by the manufacturer are used as part of the heating or cooling system (or both), it shall be the function of the system designer to determine compliance with these requirements using the data provided by the component suppliers.~~

6.4.1.2 Split System Cooling and Heat Pump Equipment. Where equipment is sold in more than one assembly, the assemblies shall be designed to be used together.

6.4.1.2.1 The capacity and efficiency of the air-conditioning or heat pump system shall be determined from performance data certified by manufacturers. This data shall be determined from the manufacturer's fact sheets, trade association directories, or any other source consistent with 10 CFR, Section 430, Subpart F.

BSR/ASHRAE/IESNA Addendum ae
to ANSI/ASHRAE/IESNA Standard 90.1-2001

Public Review Draft

ASHRAE® Standard

Proposed Addendum ae to Standard 90.1-2001, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

Second Public Review (April 2004)
(Draft Shows Independent Substantive
Changes to First Public Review Draft)

This draft has been recommend 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 responsible project committee, the ASHRAE Standards Committee, and the Board of Directors. Then it will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval. 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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1791 Tullie Circle, NE Atlanta GA 30329-2305



BSR/ASHRAE/IESNA Addendum ae to ANSI/ASHRAE/IESNA Standard 90.1-2001, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

Second Public Review Draft (ISC to 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.)

Foreword

This additional modification of the occupancy sensor control requirement provides exemptions for spaces with multi-scene control where control conflicts may arise, for shop and lab classrooms where safety issues may arise, and for preschool through 12th grade classrooms where occupancy is generally constant and therefore less energy savings is available.

Note: This public review draft contains independent changes (ISC) to the first public review draft. These changes 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.

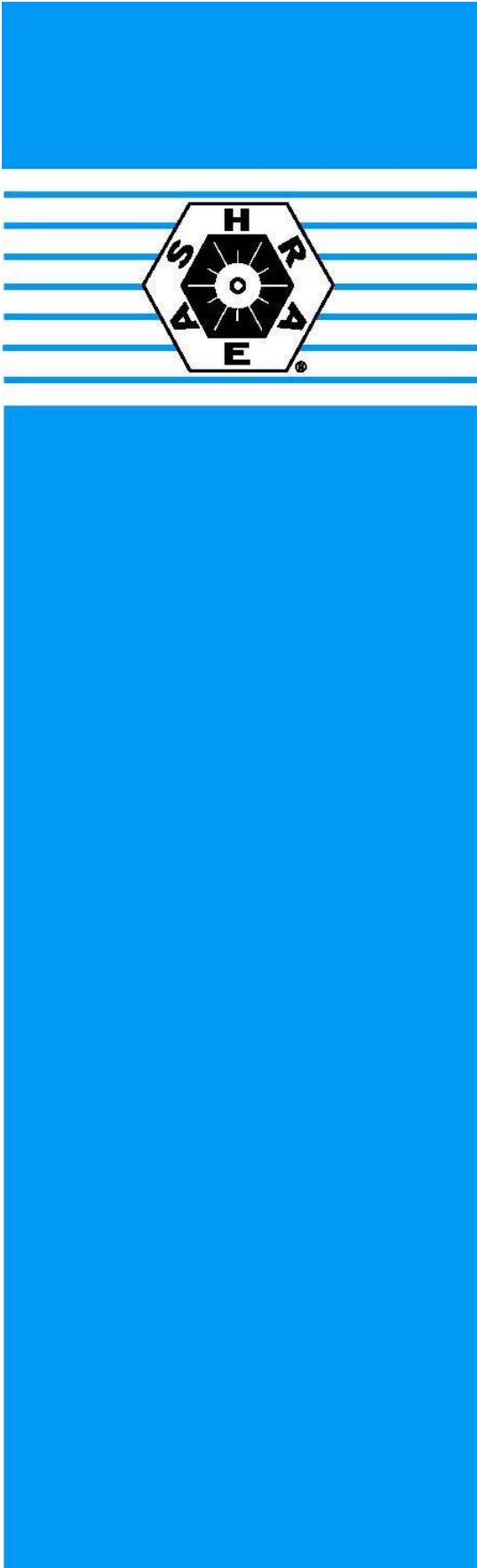
Addendum ae to 90.1-2001 (I-P and SI editions)

Revise Section 9.2.1.2a as follows:

a. A control device shall be installed that automatically turns lighting off within 30 minutes of all occupants leaving a space, except spaces with multi-scene control, in:

1. Classrooms (not including shop classrooms, laboratory classrooms, and preschool through 12th grade classrooms).
2. Conference/meeting rooms
3. Employee lunch and break rooms.

~~For classrooms, conference rooms, meeting rooms, employee lunchrooms, and employee break rooms, the control device shall be an occupant sensor that shall turn lighting off within 30 minutes of all occupants leaving a space. These spaces are not required to be connected to other automatic lighting shutoff controls.~~



BSR/ASHRAE/IESNA Addendum ai
to ANSI/ASHRAE/IESNA Standard 90.1-2001

Public Review Draft

ASHRAE® Standard

Proposed Addendum ai to Standard 90.1-2001, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (April 2004)
(Complete Draft for Full Review)

This draft has been recommend 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 responsible project committee, the ASHRAE Standards Committee, and the Board of Directors. Then it will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval. 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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1791 Tullie Circle, NE Atlanta GA 30329-2305

(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.)

Foreword

The proposed change in this addendum to a maximum of 5 watts per face of exit signs is easily achievable by LED-type exit signs which are generally available. Example economic analysis as follows:

Incandescent type average fixture cost \$25.00 and two 25 watt lamps @ \$.50 each and 10 minutes (\$10.00) to change both lamps every 1,000 hours

Energy cost per year – 50 watts X 8760 hours = 438 kWh @ \$.08	\$35.08
Lamp replacement per year - 18 lamps @ \$.50 + 9 changes @ \$10.00	<u>\$99.00</u>
Total operating cost per year	\$134.08

Compact fluorescent type: average fixture cost \$35.00 and two 7 watt lamps @ \$5.00 each and 10 minutes (\$10.00) to change both lamps every 10,000 hours

<i>Fixture Wattage = 20 watts (two 7 watt lamps plus ballast losses)</i>	
Energy cost per year – 20 watts X 8760 hours = 175.2 kWh @ \$.08	\$14.02
Lamp replacement per year – 2 lamps @ \$5.00 + 1 change @ \$10.00	<u>\$20.00</u>
Total operating cost per year	\$34.02

LED type: average fixture cost \$ 45.00 and no cost for lamps, 3 to 5 watts total and rated over 100,000 hours, are part of fixture

Energy cost per year – 5 watts X 8760 hours = 43.8 kWh @ \$.08	\$3.51
Lamp replacement per year	<u>\$0.00</u>
Total operating cost per year	\$3.51

Payback compared to incandescent type (394.2 kWh per year saved);
 Initial installation - \$45.00/(\$134.08 - \$3.51) = 0.35 years

Payback compared to compact fluorescent type (131.4 kWh per year saved);
 Initial installation - \$45.00/(\$34.02 - \$3.51) = 1.5 years

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 ai to 90.1-2001 (I-P and SI editions)

Revise Section 9.2.3 as follows:

9.2.3 Exit Signs. Internally illuminated exit signs shall not exceed 5 watts per face. ~~Exit-sign luminaries operating at greater than 20-watts shall have a minimum source efficacy of 35 lm/W.~~