ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

ISSN 0038-9633

Comment Deadline: April 25, 2010

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

Addenda

BSR/ASHRAE Addendum 34a-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)

Adds new refrigerant 407F to Table 2 and Table D2.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 34b-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)

Adds new refrigerant 417B to Table 2 and Table D2.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 34c-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)

Changes the occupational exposure limit (OEL), expressed as ppm (v/v), for R-1234yf to be consistent with the 2009 Workplace Environmental Exposure Limit (WEEL) established by the American Industrial Hygiene Association (AIHA).

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 34d-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)

This standard modifies the language in 6.1.2, Toxicity Classification, to clarify the intent.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 55h-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2004)

Makes a change to Section 5.2.3.3.1 (reference Addendum d to Standard 55-2004) to clarify the requirements for local control of air speed, and provides an exception for classrooms and conference rooms where only one control is required.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 55j-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2004)

Makes a change to Section 5.4 to clarify the description of the environmental variable for the purpose of understanding their use in Section 5. This standard is not a measurement specification or requirement. The standard now allows the designer to choose the appropriate average air speed for use in design calculations; this language clarifies these choices within the context of specific temporal, spatial and clothing restraints. This change will make clear that the designer, when determining average air speed in a space, must include values for the speeds expected to be experienced on unclothed body parts.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 62.1a-201x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2010)

Research data has been presented to the SSPC through the continuous maintenance process that showed that adjustments to Table 6-2 - Zone Air Distribution Effectiveness were warranted. This proposed change specifies that an underfloor air distribution system that provides low velocity air at 4.5 ft above the floor (less than 50 fpm) provides improved ventilation effectiveness, allowing them to be assigned a value of 1.2 for Ez , rather than the previous value of 1.0. Related language in Table 6-2 was clarified.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 62.2a-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2010)

Provides alternate compliance methods for duct tightness in existing homes undergoing minor modification. The requirements of this standard, when applied to existing homes undergoing minor modification, would often require moving to major modification due to the prevalence of interior building cavities used for transporting conditioned air. This proposed change focuses retrofit duct sealing efforts on leakage to/from outside, which is both easier to address and has a greater level of impact on IAQ.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

ASME (American Society of Mechanical Engineers)

Addenda

BSR/ASME B31E-201x, Standard for the Seismic Design and Retrofit of Above-Ground Piping Systems (addenda to ANSI/ASME B31E-2008)

Applies to aboveground, metallic piping systems in the scope of the ASME B31 Code for Pressure Piping (sections B31.1, B31.3, B31.4, B31.5, B31.8, B31.9, B31.11). The requirements described in this standard are valid when the piping system complies with the materials, design, fabrication, examination, testing, and inspection requirements of the applicable ASME B31 section.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Colleen O'Brien, (212) 591-7881, obrienc@asme.org

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 1254-201x, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units (revision of ANSI/UL 1254-2005)

The following topics for the Standard for Pre-Engineered Dry Chemical Extinguishing System Units, UL 1254, are being recirculated:
(5) Revisions to remove recommended wording and replace with mandatory wording in Paragraphs 8.1, 60.2, and 61.2.
(13) Clarification of requirements and updated testing details related to flow distribution tests.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Valara Davis, (919) 549-0921, Valara.Davis@us.ul.com

BSR/UL 1694-201x, Standard for Safety for Tests for Flammability of Small Component Materials (revision of ANSI/UL 1694-2005)

The following changes in requirements for UL 1694 are proposed: Alignment of requirements with UL 94 revisions.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Raymond Suga, (631) 546-2593, Raymond.M.Suga@us.ul.com

Comment Deadline: May 10, 2010

AAMI (Association for the Advancement of Medical Instrumentation)

Addenda

BSR/AAMI ST79-2006/A1-201x, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (addenda to ANSI/AAMI ST79-2006)

Provides guidance on the use of Class 6 Emulating Indicators as part of a PCD. This amendment also includes guidance on new product evaluation to guide facilities in evaluating products that do not yet have AAMI or other guidance.

Single copy price: Free (AAMI members)/$25.00 (list)

Obtain an electronic copy from: www.aami.org

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

Send comments (with copy to BSR) to: Susan Gillespie, (703) 525-4890 x243, sgillespie@aami.org

ABMA (ASC B3) (American Bearing Manufacturers Association)

Stabilized Maintenance: See 3.3.3 of the ANSI Essential Requirements

BSR ABMA 8.1-1990 (S201x), Ball and Roller Bearing Mounting Accessories - Metric Design (stabilized maintenance of ANSI ABMA 8.1-1990 (R2008))

Establishes dimensions and minimum physical properties of these bearings consistent and compatible with ABMA, ANSI, and ISO standards related to ball and roller bearings. Mounting accessories covered in this standard are used for the location or fixing of ball and roller bearings to the shaft of a machine or mechanism.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 8.2-1999 (S201x), Ball and Roller Bearing Mounting Accessories - Inch Design (stabilized maintenance of ANSI ABMA 8.2-1999 (R2008))

Establishes dimensions and minimum physical properties of these bearings consistent and compatible with ABMA, ANSI, and ISO standards related to ball and roller bearings. Mounting accessories covered in this standard are used for the location or fixing of ball and roller bearings to the shaft of a machine or mechanism.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 12.1-1992 (S201x), Instrument Ball Bearings - Metric Design (stabilized maintenance of ANSI ABMA 12.1-1992 (R2008))

Covers the characteristics that define the requirements of precision and super-precision instrument ball bearings. This standard establishes their boundary dimensions, tolerances, internal clearances, and classification for selective assembly. The recommended practices for gauging, frictional torque determination, load-rating determination, operational-life prediction, and yield-rate limitation are provided.

Single copy price: N/A

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BSR ABMA 12.2-1992 (S201x), Instrument Ball Bearings - Inch Design (stabilized maintenance of ANSI ABMA 12.2-1992 (R2008))

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Single copy price: N/A

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BSR ABMA 13-1987 (S201x), Rolling Bearing Vibration and Noise (Methods of Measuring) (stabilized maintenance of ANSI ABMA 13-1987 (R2008))

Serves to define and specify, for the purposes of bearing quality assurance, the physical quantities measured and the test conditions utilized in measurement of vibration and noise generated by roller bearings.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 14-1995 (S201x), Housings for Bearings with Spherical Outside Surfaces (stabilized maintenance of ANSI ABMA 14-1995 (R2008))

Establishes boundary dimensions and other dimensions, and tolerance values for those dimensions, for pillow-block housings, flanged housings, and take-up units for use with ball bearings with spherical outside surfaces (insert bearings).

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

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BSR ABMA 15-1991 (S201x), Ball Bearings with Spherical Outside Surfaces and Extended Inner Ring Width (Includes Eccentric Locking Collars) (stabilized maintenance of ANSI ABMA 15-1991 (R2008))

Specifies boundary dimensions and tolerances for bearings with spherical outside surfaces and extended inner ring width and eccentric locking collars.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

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BSR ABMA 21.1-1988 (S201x), Thrust Needle Roller and Cage Assemblies and Thrust Washers - Metric Design (stabilized maintenance of ANSI ABMA 21.1-1988 (R2009))

Provides the identification code, symbols and nomenclature, boundary dimensions, tolerances, and mounting practice for metric-design thrust needle roller and cage assemblies and thrust washers.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 21.2-1988 (S201x), Thrust Needle Roller and Cage Assemblies and Thrust Washers - Inch Design (stabilized maintenance of ANSI ABMA 21.2-1988 (R2008))

Provides the identification code, symbols and nomenclature, boundary dimensions, tolerances, and mounting practice for inch-design thrust needle roller and cage assemblies and thrust washers.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 22.2-1988 (S201x), Spherical Plain Radial Bearings, Joint Type - Inch Design (stabilized maintenance of ANSI ABMA 22.2-1988 (R2008))

Defines the characteristics of spherical bearings, joint type, such as boundary dimensions, tolerances and terminology.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

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BSR ABMA 23.2-1988 (S201x), Thrust Bearings of Tapered Roller Type - Inch Design (stabilized maintenance of ANSI ABMA 23.2-1988 (R2008))

Covers bearing number and type identity, symbols and nomenclature, boundary dimensions, tolerances, and mounting dimensions (covers only external dimensions) of inch-design thrust bearings of tapered roller type.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA 24.1-1989 (S201x), Thrust Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design (stabilized maintenance of ANSI ABMA 24.1-1989 (R2008))

Covers identification code, symbols and nomenclature, boundary dimensions, tolerances, and mounting dimensions for specified bearings of metric-design thrust bearings of ball, cylindrical roller and spherical roller types.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

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BSR ABMA 24.2-1989 (S201x), Thrust Bearings of Ball and Cylindrical Roller Types - Inch Design (stabilized maintenance of ANSI ABMA 24.2-1989 (R2008))

Covers identification code, symbols and nomenclature, boundary dimensions, tolerances, and mounting dimensions (external dimensions only) of inch-design thrust bearings of ball and cylindrical roller types.

Single copy price: N/A

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BSR ABMA 25.2-1990 (S201x), Rolling Bearings, Linear Motion Recirculating Ball, Sleeve Type - Inch Series (stabilized maintenance of ANSI ABMA 25.2-1990 (R2008))

This standard covers boundary dimensions, tolerances, and terminology for these bearings.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 104-1994 (S201x), Thrust bearings - Boundary dimensions, general plan (stabilized maintenance of ANSI ABMA/ISO 104-1994 (R2008))

Speciifes the major boundary dimensions of single-direction and double-direction thrust bearings with flat back faces.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 12240-1-1998 (S201x), Spherical Plain Bearings - Part 1: Radial Spherical Plain Bearings (stabilized maintenance of ANSI ABMA/ISO 12240-1-1998 (R2008))

This standard specifies the dimension series, tolerances, and radial spherical plain bearings.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 12240-2-1998 (S201x), Spherical plain bearings - Part 2: Angular contact spherical plain bearings (stabilized maintenance of ANSI ABMA/ISO 12240-2-1998 (R2009))

Specifies the dimensions and tolerances for angular-contact radial spherical plain bearings. The specified tolerance values apply to finished, angular-contact radial spherical plain bearings before any coating or plating. Angular-contact radial spherical plain bearings need not conform to the design illustrated, but compliance is required as regards to dimensions and tolerances specified.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 12240-3-1998 (S201x), Spherical plain bearings - Part 3: Thrust spherical plain bearings (stabilized maintenance of ANSI ABMA/ISO 12240-3-1998 (R2008))

Specifies dimensions and tolerances for thrust spherical plain bearings.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 12240-4-1998 (S201x), Spherical plain bearings - Part 4: Spherical plain bearing rod ends (stabilized maintenance of ANSI ABMA/ISO 12240-4-1998 (R2008))

Specifies dimensions, tolerances, and radial internal clearances for various dimension series of spherical-plain-bearing rod ends.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 13411:1997 (S201x), Aerospace - Airframe needle roller, needle track roller and cylindrical roller bearings - Technical specification (stabilized maintenance of ANSI ABMA/ISO 13411:1997 (R2008))

Specifies the required characteristics, inspections, and test, quality assurance and conditions for qualification, static radial loads, acceptance and delivery conditions for needle roller, needle track roller and cylindrical roller bearings used as airframe rolling bearings designed to withstand, under load, slow rotations and small oscillations only.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 13412:1997 (S201x), Aerospace - Airframe track roller, yoke type, single row, sealed - Inch series (stabilized maintenance of ANSI ABMA/ISO 13412:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible static radial loads of inch-series, single-row, yoke-type needle rollers used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 13413:1997 (S201x), Aerospace - Airframe track roller, yoke type, double row, sealed - Inch series (stabilized maintenance of ANSI ABMA/ISO 13413:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible static radial loads of inch-series, double-row, yoke-type needle rollers used in airframe applications.

Single copy price: N/A

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BSR ABMA/ISO 13414:1997 (S201x), Aerospace - Airframe needle roller, single row, shielded - Inch series (stabilized maintenance of ANSI ABMA/ISO 13414:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible static radial loads of inch-series, single-row needle roller bearings used in airframe design.

Single copy price: N/A

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BSR ABMA/ISO 13415:1997 (S201x), Aerospace - Airframe track roller, stud type, single row, sealed - Inch series (stabilized maintenance of ANSI ABMA/ISO 13415:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible static radial loads of inch-series, single-row, stud-type needle track rollers used in airframe application.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 13416:1997 (S201x), Aerospace - Airframe track roller, yoke type, single row, sealed - Metric series (stabilized maintenance of ANSI ABMA/ISO 13416:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible static radial loads of inch-series, single-row, stud-type needle track rollers used in airframe application.

Single copy price: N/A

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Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 13417:1997 (S201x), Aerospace - Airframe track roller, stud type, single row, sealed - Metric series (stabilized maintenance of ANSI ABMA/ISO 13417:1997 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible static radial loads of inch-series, single-row, stud-type needle track rollers used in airframe application.

Single copy price: N/A

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Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14190:1998 (S201x), Aerospace - Airframe Rolling Bearings: Ball and Spherical Roller Bearings Technical Specification (stabilized maintenance of ANSI ABMA/ISO 14190:1998 (R2008))

Specifies the required characteristics, inspections, and tests, quality assurance and conditions for qualification, permissible static loads, acceptance and delivery conditions for rigid and self-aligning airframe ball and spherical roller bearings.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14191:1998 (S201x), Aerospace - Airframe Spherical Roller Bearings, Single Row, Self-Aligning, Diameter Series 3 and 4 - Metric Series (stabilized maintenance of ANSI ABMA/ISO 14191:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible loads for metric-series, single-row, self-aligning, spherical roller bearings of diameter series 3 and 4, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14192:1998 (S201x), Aerospace - Airframe spherical roller bearings, single row, self-aligning, shielded, intermediate duty - Metric series (stabilized maintenance of ANSI ABMA/ISO 14192:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible loads for metric-series, single-row, self-aligning, shielded, intermediate-duty, spherical roller bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

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BSR ABMA/ISO 14193:1998 (S201x), Aerospace - Airframe spherical roller bearings, single row, self-aligning, sealed, extended inner ring, intermediate duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14193:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads for inch-series, single-row, self-aligning, sealed, intermediate-duty, spherical roller bearings with extended inner rings used in airframe applications.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14194:1998 (S201x), Aerospace - Airframe spherical roller bearings, double row, self-aligning, extended inner ring, sealed, extended inner ring, heavy duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14194:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads for inch-series, double-row, self-aligning, sealed, heavy-duty, spherical roller bearings with extended inner rings used in airframe applications.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14195:1998 (S201x), Aerospace - Airframe spherical roller bearings, double row, self-aligning, sealed, torque tube design, light duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14195:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads for inch-series, double-row, self-aligning, sealed, torque-tube-design, light-duty, spherical roller bearings with cylindrical rollers used in airframe applications.

Single copy price: N/A

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Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14196:1998 (S201x), Aerospace - Airframe spherical roller bearings, double row, self-aligning, sealed, plain inner ring, heavy duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14196:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads for inch-series, double-row, self-aligning, sealed, heavy-duty, spherical roller bearings with plain inner rings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14197:1998 (S201x), Aerospace - Airframe spherical roller bearings, single row, self-aligning, sealed, intermediate duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14197:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads for inch-series, single-row, self-aligning, sealed, intermediate-duty, spherical roller bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14201:1998 (S201x), Aerospace - Airframe ball bearings, double row, self-aligning, diameter series 2 - Metric series

(stabilized maintenance of ANSI ABMA/ISO 14201:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissable loads of metric-series, double-row, self-aligned ball bearings of diameter series 2, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14202:1998 (S201x), Aerospace - Airframe ball bearings, single row, rigid, diameter series 0 and 2 - Metric series (stabilized maintenance of ANSI ABMA/ISO 14202:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of metric-series, single-row, rigid, ball bearings of diameter series 0 and 2, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14203:1998 (S201x), Aerospace - Airframe ball bearings, single row, rigid, diameter series 8 and 9 - Metric series (stabilized maintenance of ANSI ABMA/ISO 14203:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of metric-series, single-row, rigid, ball bearings in diameter series 8 and 9, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14204:1998 (S201x), Aerospace -Airframe ball bearings, double row, rigid, diameter series 0 - Metric series (stabilized maintenance of ANSI ABMA/ISO 14204:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissable loads of metric-series, double-row, rigid ball bearings of diameter series 0, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14206:1998 (S201x), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Sealed, Light Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14206:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearance, and permissible loads of inch-series, single-row, sealed, rigid, light-duty ball bearings used in airframe application.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14207:1998 (S201x), Aerospace - Airframe ball bearings, single row, rigid, precision, sealed, light duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14207:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series single-row, sealed, rigid, light-duty ball bearings with increased precision and reduced clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14208:1998 (S201x), Aerospace - Airframe ball bearings, single row, rigid, sealed, intermediate duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14208:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series single-row, sealed, rigid, intermediate-duty ball bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14209:1998 (S201x), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Sealed, Intermediate Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14209:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, load ratings of inch-series, single-row, sealed, rigid, intermediate-duty ball bearings with increased precision and reduced internal clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14210:1998 (S201x), Aerospace - Airframe ball bearings, single row, rigid, sealed, torque tube design, light duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14210:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, load ratings of inch-series, single-row, sealed, rigid, light-duty ball bearings of torque tube design used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14211:1998 (S201x), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Sealed, Torque Tube Design, Light Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14211:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, clearances, and load ratings of inch-series, single-row, sealed, rigid, light-duty ball bearings of torque tube design with increased precision and reduced internal clearance used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14212:1998 (S201x), Aerospace - Airframe Ball Bearings, Single-Row, Rigid, Sealed, Torque Tube Design, Extra-Light Duty - Inch Series (stabilized maintenance of ANSI

ABMA/ISO 14212:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, and load ratings of inch-series, single-row, sealed, rigid, extra-light duty ball bearings of torque tube design used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14213:1998 (S201x), Aerospace - Airframe Ball Bearings, Single Row, Rigid, Precision, Shielded, Torque Tube Design, Extra-Light Duty - Inch Series (stabilized maintenance of ANSI/ABMA/ISO 14213-1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissable loads of metric-series, double-row, self-aligned ball bearings of diameter series 2, in accordance with ISO 15, used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14214:1998 (S201x), Aerospace - Airframe Ball Bearings, Double Row, Rigid, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14214:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, double-row, sealed, rigid, heavy-duty ball bearings with increased precision and reduced internal clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14215:1998 (S201x), Aerospace - Airframe Ball Bearings, Double Row, Rigid, Precision, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14215:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, double-row, sealed, rigid, heavy-duty ball bearings with increased precision and reduced internal clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14216:1998 (S201x), Aerospace - Airframe Ball Bearings, Double Row, Self-Aligning, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14216:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, double-row, self-aligning, sealed, heavy-duty ball bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14217:1998 (S201x), Aerospace - Airframe Ball Bearings, Double Row, Self-Aligning, Precision, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14217:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, double-row, self-aligning, sealed, heavy-duty ball bearings with increased precision and reduced internal clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14218:1998 (S201x), Aerospace - Airframe Ball Bearings, Single Row, Self-Aligning, Sealed, Heavy Duty - Inch Series (stabilized maintenance of ANSI ABMA/ISO 14218:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and pemissable loads of inch-series, single-row, self-aligning, sealed, heavy-duty ball bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14219:1998 (S201x), Aerospace - Airframe ball bearings, single row, self-aligning, precision, sealed, heavy duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14219:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, single-row, self-aligning, sealed, heavy-duty ball bearings with increasing precision and reduced internal clearances used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14220:1998 (S201x), Aerospace - Airframe ball bearings, single row, self-aligning, sealed, light duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14220:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, single-row, self-aligning, sealed, light-duty ball bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR ABMA/ISO 14221:1998 (S201x), Aerospace - Airframe ball bearings, single row, self-aligning, precision, sealed, light duty - Inch series (stabilized maintenance of ANSI ABMA/ISO 14221:1998 (R2008))

Specifies the characteristics, boundary dimensions, tolerances, internal clearances, and permissible loads of inch-series, single-row, self-aligning, sealed, light-duty ball bearings used in airframe applications.

Single copy price: N/A

Obtain an electronic copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR B3.1-1992 (S201x), Rolling Element Bearings - Aircraft Engine, Engine Gearbox, and Accessory Applications - Eddy Current Inspection (stabilized maintenance of ANSI B3.1-1992 (R2008))

Specifies a method of detecting discontinuities in bearing components by means of eddy current interrogation. Applies to rolling element bearings used in aircraft engines, engine gearboxes, and accessory applications.

Single copy price: N/A

Obtain an electric copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

BSR B3.2-1992 (S201x), Rolling Element Bearings - Aircraft Engine, Engine Gearbox, and Accessory Applications - Surface Visual Inspection (stabilized maintenance of ANSI B3.2-1992 (R2008))

Provides a system for uniform visual acceptance criteria for surface imperfections on rolling element bearings used in aircraft engine, engine gerabox, and accessory applications.

Single copy price: N/A

Obtain an electric copy from: jconverse@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org

Send comments (with copy to BSR) to: Same

AISI (American Iron and Steel Institute)

Supplements

BSR/AISI S100-2007/S2-201x, Supplement 2 to the North American Specification for the Design of Cold-Formed Steel Structural Members, 2007 Edition (supplement to ANSI/AISI S100-2007)

Provides supplemental information to AISI S100-07 for determining member and connection strengths of cold-formed carbon and low-alloy steels. Provides supplemental information for determining resistance factors of cold-formed carbon and low alloy steel members and connections via tests. This Supplement 2 to AISI S100-07 replaces Supplement 1 to AISI S100-07 (AISI S100-07/S1-09) and is applicable to the United States, Canada, and Mexico.

Single copy price: Free

Obtain an electronic copy from: hchen@steel.org

Order from: Helen Chen, (202) 452-7134, Hchen@steel.org; doates@steel.org

Send comments (with copy to BSR) to: Same

AMT (ASC B11) (Association for Manufacturing Technology)

Reaffirmations

BSR B11.7-1995 (R201x), Machine Tools - Cold Headers and Cold Formers, Safety Requirements for Construction, Care, and Use (reaffirmation of ANSI B11.7-1995 (R2005))

Applies only to those mechanically powered machines commonly referred to as cold headers and cold formers, which perform many operations such as shearing, heading, upsetting, extruding, trimming, forming, cold working, or warm forming material by means of tools and dies. This type of equipment generally has the ram in a horizontal position. Included are pointers and roll formers when they are mechanically an integral part of the basic machine.

Single copy price: $65.00

Obtain an electronic copy from: dfelinski@b11standards.org

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

Send comments (with copy to BSR) to: Same

BSR B11.12-2005 (R201x), Machine Tools - Safety Requirements for Roll-forming and Roll-bending Machines (reaffirmation of ANSI B11.12-2005)

Applies to any power-driven metal-forming machine that changes the shape or the direction, or both, of materials by use of rolls, rotary forming dies, and associated tooling.

Single copy price: $65.00

Obtain an electronic copy from: dfelinski@b11standards.org

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

Send comments (with copy to BSR) to: Same

API (American Petroleum Institute)

New National Adoptions

BSR/API Specification 19G2-201x, Flow-Control Devices for Side-Pocket Mandrels (national adoption with modifications of ISO/IEC 17078-2)

Provides requirements for subsurface flow-control devices used in side-pocket mandrels intended for use in the petroleum and natural gas industry. This includes requirements for specifying, selecting, designing, manufacturing, quality-control, testing, and preparation for shipping of flow-control devices. Additionally, this standard includes information regarding performance testing and calibration procedures.

Single copy price: $25.00

Obtain an electronic copy from: Danielle Jones (jonesd@api.org)

Order from: Danielle Jones, 202-682-8565, jonesd@api.org

Send comments (with copy to BSR) to: Roland Goodman, (202) 682-8571, goodmanr@api.org

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

New Standards

BSR/ASHRAE Standard 35P-201x, Method of Testing Desiccants for Refrigerant Drying (new standard)

Provides a method of testing desiccants for use in refrigerant drying.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

Revisions

BSR/ASHRAE Standard 32.1-201x, Methods of Testing for Rating Vending Machines for Sealed Beverages (revision of ANSI/ASHRAE Standard 32.1-2004)

In this proposed revision of the 2004 edition, all references to specific sealed-beverage package designs, such as “bottled” and “canned,” have been removed from the title and scope of the standard; the scope has been revised to clarify that the standard applies to both zone-cooled (typically solid-front) machines and fully cooled (typically glass-front) machines; and the daily energy consumption of the vending machine as determined by the standard is now reported per unit of refrigerated volume instead of per unit of machine capacity. A method for measuring refrigerated volume is added in new Appendix C.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Standard 154-201x, Ventilation for Commercial Cooking Operations (revision of ANSI/ASHRAE Standard 154-2003)

First published in 2003, ASHRAE Standard 154 has been completely rewritten in this proposed revision with the aim of providing the most complete design guidance available on commercial kitchen ventilation components and systems. Additionally, the standard is intended to serve as a template for standardization, harmonization, and ongoing revision of related model and adopted codes and to bring consistency to design requirements and applications of commercial kitchen ventilation systems. Beyond the code language of the standard, notes and appendices are included to provide additional understanding of best design practices.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

Reaffirmations

BSR/ASHRAE Standard 63.2-1996 (R201x), Method of Testing Liquid-Line Filter Drier Filtration Capability (reaffirmation of ANSI/ASHRAE Standard 63.2-1996 (R2006))

Prescribes a laboratory test method for evaluating the filtration capability of filters and filter driers used in liquid lines of refrigeration systems.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Addenda

BSR/ASHRAE Addendum 55i-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2004)

Provides a sample compliance form to supplement Section 6 of the standard. Section 6 was modified in Addendum e of Standard 55-2004, currently published on the ASHRAE website. Section 6 of the standard and this sample compliance form document design compliance.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 55k-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2004)

Updates references in the Standard to reflect updated publications since 2004.

Single copy price: $35.00

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BSR/ASHRAE Addendum 135.1e-201x, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)

Revises the current BBMD BACnet/IP tests to be more compatible with the two-hop method of distribution for broadcasts over the Internet. Among other improvements, inconsistencies, errors, and omissions are fixed by this addendum. This draft has been revised in response to comments received during the first public review, which took place in March 2009.

Single copy price: $35.00

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 135.1f-201x, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)

Clarifies which timestamp parameter is to be sent in Ack notifications; adds new tests for the functionality of the Database Revision property; removes inconsistencies in the CreateObject service tests; and revises the DeleteObject service tests.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 135.1g-201x, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)

Makes corrections in several tests; removes the recipient test; revises the Acknowledge Alarm Initiation tests; and adds new tests for Device Identifier Recipients, Network Address Recipients, Disable Initiation, Non-router Network Layer Messages, Reading and Presenting Properties, Event Notification, Revision 4 Schedules, Event Notification Network Priority, Device and Network Mapping, Device Restart Notification, and Schedule Written Datatypes.

Single copy price: $35.00

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BSR/ASHRAE Addendum 135.1h-201x, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)

Fixes a problem in the chaining test, fixes a problem in the CHANGE_OF_STATE test for an Event Enrollment Object, and revises the ConfirmedCOVEventNotification Service Initiation Tests to non-infinite lifetimes.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 135ab-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2008)

Provides additional standard baud rates for MS/TP, specifying some higher rates now needed with the increased speed of processors.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

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Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 135ac-201x, BACnet - A Data

Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2008)

Specifies the usage of dates and times more precisely. Currently, dates and times are used in different ways in the standard.

Single copy price: $35.00

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BSR/ASHRAE Addendum 135g-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2008)

Proposes independent substantive changes to the fourth public review draft of Addendum g, which updates BACnet Network Security. The existing BACnet Network Security architecture defined in clause 24 of Standard 135-2008 is based on the 56-bit DES cryptographic standard and needs to be updated to meet the needs of today's networks.

Single copy price: $35.00

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BSR/ASHRAE Addendum 135i-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2008)

Defines a new Lighting Output Object type, adds support for breaker-tripped status to Analog and Binary Output objects, and adds warning-blink support to Binary Output and Binary Value objects. This draft has been revised in response to comments received during the third public review, which took place in March 2009.

Single copy price: $35.00

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BSR/ASHRAE Addendum 135z-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2008)

Adds Event_Message_Texts; adds UnconfirmedEventNotification to Automated Trend Retrieval BIBBs; modifies MS/TP State Machine to Ignore Data Not For Us; adds New Engineering Units; and adds Duplicate Segment Detection. This draft has been revised in response to comments received during the first public review, which took place in September 2009.

Single copy price: $35.00

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BSR/ASHRAE Addendum 161c-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161P-2007)

Provides requirements and information about flame retardants to minimize exposure. Flame retardants are used extensively throughout aircraft for safety reasons, but there are health concerns associated with exposure to some of the chemical compounds used for this purpose. Potential exposure of cabin occupants to these substances may come through dermal contact with materials containing the flame retardants and through inhalation of dust, which includes flame retardants.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 161d-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161P-2007)

Adds requirements and information about refrigerants to the standard. These refrigerants are used in vapor-compression refrigeration units and in vapor-compression cooling systems that are used on some aircraft for galley cooling and other applications. Typically, vapor compression systems are not used on aircraft within the scope of this standard for cabin environmental control systems.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 161e-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161P-2007)

Changes the recommendation for sensing at each bleed air source to a requirement. The individual source sensing is intended to allow identification of the source of the contamination to aid in-flight and maintenance decisions whereas the main sensing requirement is intended to determine whether or not an incident is occurring. This addendum is also intended to clarify that the local sensing may employ simplified sensing as compared to the main bleed-air-sensing provisions.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE Addendum 161f-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161P-2007)

Reflects the fact that at least one new aircraft design does not use bleed air for cabin ventilation and pressurization and that this approach or similar ones offer a way to reduce or eliminate the potential for bleed-air contamination from lubricating oil or hydraulic fluid.

Single copy price: $35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/technology/page/331

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

BSR/ASHRAE/IESNA Addendum 90.1dd-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Addendum 90.1-2009)

Further modifies the daylighting and skylighting requirements and thresholds for controls when daylighting is available.

Single copy price: Free

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Online Comment Database at http://www.ashrae.org/technology/page/331

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME A17.2-201x, Guide for Inspection of Elevators, Escalators, and Moving Walks (revision of ANSI/ASME A17.2-2007)

Covers recommended inspection and testing procedures for electric and hydraulic elevators, escalators,and moving walks required to conform to the Safety Code for Elevators and Escalators, A17.1-1955 and later editions, and The Safety Code for Existing Elevators and Escalators, A17.3. This Guide also addresses some requirements from editions of A17.1 prior to 1955. NOTE: This Guide may not reflect the latest requirements in the current A17.1 and A17.3 Codes.

Single copy price: Free

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

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

Send comments (with copy to BSR) to: Riad Mohamed, ASME; MohamedR@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

Revisions

BSR ATIS 0600318-201x, Electrical Protection Applied to Telecommunications network Plant at Entrances to Customer Structures or Buildings (revision of ANSI ATIS 0600318-2005)

Establishes minimum electrical protection requirements intended to mitigate the disruptive and damaging effects of lightning and ac power faults at telecommunications network entrances to customer structures or buildings.

Single copy price: $100.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrianne Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to BSR) to: Same

BSR ATIS 0600320-201x, Above-Baseline Electrical Protection for Designated Telecommunications Central Offices and Similar-Type Facilities against High-Altitude Electromagnetic Pulse (HEMP) (revision of ANSI ATIS 0632000-2005)

Applies to central offices and similar-type facilities in public telecommunications networks in which a special measure of resistance to damage from high-altitude electromagnetic pulse (HEMP) is desired.

Single copy price: $100.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrianne Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to BSR) to: Same

BSR ATIS 0600332-201x, Electrical Protection of Network-Powered Broadband Facilities (revision of ANSI ATIS 0600332-2005)

Provides the minimum electrical protection requirements intended to mitigate the disruptive and damaging effects of lightning and ac power faults to broadband facilities.

Single copy price: $130.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrianne Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to BSR) to: Same

CSA (CSA America, Inc.)

New Standards

BSR Z21.98-201x, Non-Metallic Dip Tubes for Use In Hot Water Heaters (same as CSA 4.10) (new standard)

Details test and examination criteria for non-metallic dip tubes for use in hot water heaters.

Single copy price: $175.00

Obtain an electronic copy from: cathy.rake@csa-america.org

Order from: Cathy Rake, (216) 524-4990, cathy.rake@csa-america.org

Send comments (with copy to BSR) to: Same

NEMA (National Electrical Manufacturers Association)

Revisions

BSR/NEMA AB 4-201x, Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications (revision of ANSI/NEMA AB 4-2004)

Sets forth, for use by qualified personnel, a number of basic procedures that may be used for the inspection and preventive maintenance of molded-case circuit breakers used in industrial and commercial applications rated up to and including 1000 V 50/60 Hz AC or AC/DC.

Single copy price: Free

Obtain an electronic copy from: http://www.nema.org/stds/ab4

Order from: Gerard Winstanley, (703) 841-3297, ger_winstanley@nema.org

Send comments (with copy to BSR) to: Same

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 291-201x, Standard for Safety for Automated Teller Systems (Proposals dated 3/26/10) (revision of ANSI/UL 291-2009)

Describes vulnerability of security containers via connectivity openings, proposed changes to 13.1.7, new 13.2.6, and new Section 35A.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Linda Phinney, Linda.L.Phinney@us.ul.com

Reaffirmations

BSR/UL 300-2005 (R201x), Standard for Safety for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment (reaffirmation of ANSI/UL 300-2005)

Reaffirms the Third Edition of the Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment, UL 300, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Valara Davis, (919) 549-0921, Valara.Davis@us.ul.com

BSR/UL 441-2006 (R201x), Standard for Safety for Gas Vents (reaffirmation of ANSI/UL 441-2006)

Proposes a reaffirmation for ANSI approval of UL 441.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

BSR/UL 1482-1998 (R201x), Standard for Safety for Solid-Fuel Type Room Heaters (reaffirmation of ANSI/UL 1482-1998 (R2006))

Proposes a reaffirmation for ANSI approval of UL 1482.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: May 25, 2010

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

AGMA (American Gear Manufacturers Association)

Revisions

BSR/AGMA 2008-201x, Assembling Bevel Gears (revision of ANSI/AGMA 2008-C01 (R2008))

Applies to the assembly of all bevel gears. While certain design considerations and development techniques are mentioned to clarify different aspects, this manual is not intended as a design guide.

Single copy price: $64.00

Order from: Charles Fischer, (703) 684-0211, fischer@agma.org

Send comments (with copy to BSR) to: Same

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME B18.2.2-201x, Square and Hex Nuts (Inch Series) (revision of ANSI/ASME B18.2.2-1987 (R2005))

Covers the complete general and dimensional data for the various types of inch-series square and hex nuts, including machine screw nuts and coupling nuts, recognized as the American National Standard.

Single copy price: Free

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

Send comments (with copy to BSR) to: Angel Guzman, ASME; guzman@asme.org

BSR/ASME B18.6.3-201x, Machine Screw and Tapping Screw Nuts (Inch Seires) (revision, redesignation and consolidation of ANSI/ASME B18.6.3-2003 (R2008), and ANSI/ASME B18.6.4-2009)

Covers the complete general and dimensional data for the various types of slotted and recessed head machine screws, tapping screws, metallic drive screws, and machine screw nuts recognized as the American National Standard.

Single copy price: Free

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

Send comments (with copy to BSR) to: Angel Guzman, ASME; guzman@asme.org

BSR/ASME B107.17-201x, Gages, Wrench Openings, Reference (revision and redesignation of ANSI/ASME B107.17M-1997 (R2002))

Establishes the final inspection gage sizes and test mandrel sizes for wrench openings and spark plug wrench openings for inch and metric sizes. This standard does not cover every available size, but only those most commonly manufactured.

Single copy price: Free

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

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

Send comments (with copy to BSR) to: Thomas Schellens, (212) 591-8077, schellenst@asme.org

BSR/ASME B107.500-201x, Pliers (revision, redesignation and consolidation of ANSI/ASME B107.11-2008, B107.13-2003, B107.16-2008, B107.18-2008, B107.19-2004, B107.20M-2004, B107.22-2008, B107.23-2004, B107.24-2007, B107.25-2007, B107.27-2003 (R2008), and B107.37-2007)

Define essential performance and safety requirements for three types of torques instruments:
(a) manually operated torque instruments, commonly used for mechanical measurement of torque for control of the tightness of threaded fasteners;
(b) electronic torque testers used for checking manually operated hand-held torque wrenches and screwdrivers; and
(c) manually operated electronic torque instruments with integral or interchangeable heads.

Single copy price: Free

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

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

Send comments (with copy to BSR) to: Thomas Schellens, (212) 591-8077, schellenst@asme.org

Reaffirmations

BSR/ASME B1.13M-201x, Metric Screw Threads: M Profile (reaffirmation of ANSI/ASME B1.13M-2005)

Contains general metric standards for a 60-degree symmetrical screw thread with a basic ISO 68-1 profile, designated M profile. The M profile threads of tolerance class 6H/6g are intended for metric applications where inch class 2A/2B have been used.

Single copy price: $59.00

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

Send comments (with copy to BSR) to: Angel Guzman, ASME; guzman@asme.org

Projects Withdrawn from Consideration

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

ATIS (Alliance for Telecommunications Industry Solutions)

BSR ATIS 0600015.05-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting Facility Energy Efficiency (new standard)

Call for Comment Contact Information

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

Order from:

AAMI
Association for the Advancement of Medical Instrumentation
1110 N. Glebe Rd. Ste. 220
Arlington, VA 22201
Phone: (703) 525-4890
Fax: (703) 276-0793
Web: www.aami.org

ABMA (ASC B3)
American Bearing Manufacturers Association
2025 M Street, NW
Suite 800
Washington, DC 20036-3309
Phone: (919) 481-2852
Fax: (919) 827-4587
Web: www.americanbearings.org

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

AISI
American Iron and Steel Institute
1140 Connecticut Avenue, NW
Suite 705
Washington, DC 20036
Phone: (202) 452-7134
Fax: (202) 452-1039
Web: www.steel.org

AMT (ASC B11)
Association for Manufacturing Technology
7901 Westpark Drive
McLean, VA 22102-4206
Phone: (703) 827-5211
Fax: (703) 893-1151
Web: www.amtonline.org

API (Organization)
American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: 202-682-8565
Fax: 202-962-4797
Web: www.api.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-1111
Fax: (678) 539-2111
Web: www.ashrae.org

ASME
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New York, NY 10016
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Web: www.asme.org

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comm2000
1414 Brook Drive
Downers Grove, IL 60515

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CSA America, Inc.
8501 E. Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990
Fax: (216) 520-8979
Web: www.csa-america.org/

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1300 North 17th Street, Suite 1847
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Web: www.nema.org

Send comments to:

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Web: www.americanbearings.org

AGMA
American Gear Manufacturers Association

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Fax: (703) 684-0242
Web: www.agma.org

AISI
American Iron and Steel Institute

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Washington, DC 20036
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Fax: (202) 452-1039
Web: www.steel.org

AMT (ASC B11)
Association for Manufacturing Technology

7901 Westpark Drive
McLean, VA 22102-4206
Phone: (703) 827-5211
Fax: (703) 893-1151
Web: www.amtonline.org

API (Organization)
American Petroleum Institute

1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8571
Fax: (202) 962-4797
Web: www.api.org

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

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ASME
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ATIS
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1200 G Street, NW
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Web: www.atis.org

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8501 E. Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990
Fax: (216) 520-8979
Web: www.csa-america.org/

NEMA (Canvass)
National Electrical Manufacturers Association

1300 North 17th Street, Suite 1847
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Phone: (703) 841-3297
Fax: (703) 841-3397
Web: www.nema.org

UL
Underwriters Laboratories, Inc.

12 Laboratory Dr.
RTP, NC 27709
Phone: (919) 549-0973
Fax: (919) 316-5727
Web: www.ul.com/

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 1110 N. Glebe Rd., Ste. 220
Arlington, VA 22201

Contact: *Susan Gillespie*

Phone: (703) 525-4890

Fax: (703) 276-0793

E-mail: sgillespie@aami.org

BSR/AAMI ST79-2006/A1-201x, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (addenda to ANSI/AAMI ST79-2006)

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Tanisha Meyers-Lisle*

Phone: (678) 539-1111

Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 63.2-1996 (R201x), Method of Testing Liquid-Line Filter Drier Filtration Capability (reaffirmation of ANSI/ASHRAE Standard 63.2-1996 (R2006))

NEMA (National Electrical Manufacturers Association)

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

Contact: *Gerard Winstanley*

Phone: (703) 841-3297

Fax: (703) 841-3397

E-mail: ger_winstanley@nema.org

BSR/NEMA AB 4-201x, Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications (revision of ANSI/NEMA AB 4-2004)

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Office: 1899 Preston White Drive
Reston, VA 20191

Contact: *Debra Orf*

Phone: (703) 264-7200

Fax: (703) 620-0994

E-mail: dorf@npes.org

BSR B65.0-201x, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (national adoption with modifications of ISO 12643-1)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd Suite 300
Arlington, VA 22201

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: tjenkins@tiaonline.org

BSR/TIA 440-B-2004 (R201x), Fiber Optic Terminology (reaffirmation of ANSI/TIA 440-B-2004)

Final actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmations

ANSI/AAMI ST40-2004 (R2010), Table-top dry heat (heated air) sterilization and sterility assurance in health care facilities (reaffirmation of ANSI/AAMI ST40-2004): 3/24/2010

ANSI/AAMI ST50-2004 (R2010), Dry heat (heated air) sterilizers (reaffirmation of ANSI/AAMI ST50-2004): 3/24/2010

ANSI/AAMI ST81-2004 (R2010), Sterilization of medical devices - Information to be provided by the manufacturer for the processing of resterilizable medical devices (reaffirmation of ANSI/AAMI ST81-2004): 3/24/2010

AGMA (American Gear Manufacturers Association)

Reaffirmations

ANSI/AGMA/AWEA 6006-A03-2004 (R2010), Standard for Design and Specification of Gearboxes for Wind Turbines (reaffirmation and redesignation of ANSI/AGMA 6006-2004): 3/17/2010

Revisions

ANSI/AGMA 2003-2010, Rating the Pitting Resistance and Bending Strength of Generated Straight Bevel, Zerol Bevel and Spiral Bevel Gear Teeth (revision of ANSI/AGMA 2003-B97 (R2003)): 3/17/2010

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME B18.6.8-2010, Thumb Screws and Wing Screws (Inch Series) (new standard): 3/24/2010

ASTM (ASTM International)

Revisions

ANSI/ASTM D6299-2010, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2007): 3/1/2010

ANSI/ASTM E1354-2010, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2009): 3/15/2010

ANSI/ASTM E1474-2010, Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1474-2007): 3/15/2010

ANSI/ASTM F477-2010, Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe (revision of ANSI/ASTM F477-2008): 3/15/2010

ATIS (Alliance for Telecommunications Industry Solutions)

Withdrawals

ANSI ATIS 0326800-2004, TMN - PKI - Digital Certificates and Certificate Revocation Lists Profile (withdrawal of ANSI ATIS 0326800-2004): 3/17/2010

AWS (American Welding Society)

Revisions

ANSI/AWS A5.13/A5.13M-2010, Specification for Surfacing Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.13-2000): 3/24/2010

AWWA (American Water Works Association)

Revisions

ANSI/AWWA C750-2010, Transit-Time Flowmeters in Full Closed Conduits (revision of ANSI/AWWA C750-2003): 3/24/2010

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

New Standards

ANSI INCITS 457-2010, Information technology - Serial Attached SCSI - 2 (SAS-2) (new standard): 3/24/2010

Reaffirmations

INCITS/ISO/IEC 11179-1-2004 (R2010), Information technology - Data Management and Interchange - Metadata Registries (MDR) - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 11179-1-2004): 3/24/2010

Stabilized Maintenance: See 3.3.3 of the ANSI Essential Requirements

ANSI INCITS 124.3-1989 (S2010), Information technology - Computer Graphics - Graphical Kernel System (GKS), Ada Binding (stabilized maintenance of ANSI INCITS 124.3-1989 (R2005)): 3/24/2010

MedBiq (MedBiquitous Consortium)

New Standards

ANSI/MEDBIQ VP.10.1-2010, MedBiquitous Virtual Patient (new standard): 3/17/2010

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revisions

ANSI ANSLG C82.5-2010, Reference Ballasts - High-Intensity-Discharge and Low-Pressure Sodium Lamps (revision and redesignation of ANSI C82.5-1990 (R2007)): 3/24/2010

NSF (NSF International)

New Standards

ANSI/NSF 332-2010 (i2 rev 3), Sustainability Assessment for Resilient Floor Coverings (new standard): 3/22/2010

Revisions

ANSI/NSF 184-2010 (i4), Residential dishwashers (revision of ANSI/NSF 184-2003): 3/17/2010

UL (Underwriters Laboratories, Inc.)

Revisions

ANSI/UL 1310-2010, Standard for Safety for Class 2 Power Units (Proposal dated 1-15-10) (revision of ANSI/UL 1310-2009): 3/23/2010

Corrections

Incomplete Listing

ANSI ATIS 0300264-2010

In the Final Actions section of the 3/5/2010 issue of Standards Action, the listing for ANSI ATIS 0300364-2010 was incomplete. The correct listing is as follows:

ANSI ATIS 0300264-2010, Alarm Surveillance in a Telecommunications Management Network (revision and redesignation of ANSI ATIS 0326400-2004)

Incorrect Status

ANSI/AAMI ST72-2002 (R2010)

In the Final Actions section of the 3/19/2010 issue of Standards Action, the above standard was listed as a Revision rather than a Reaffirmation. The correct listing should read:

ANSI/AAMI ST72-2002 (R2010), Bacterial endotxin - Test methodologies, routing monitoring and alternatives to batch testing (reaffirmation of ANSI/AAMI ST72-2002)

Incorrect Status

ANSI/NSF 49-2010 (i23)

In the Final Actions section of the 3/19/2010 issue of Standards Action, the designation of the previous edition of this standard had the wrong date of publication. The correct listing is as follows:

ANSI/NSF 49-2010 (i23), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2009)

Project Initiation Notification System (PINS)

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

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

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

AISI (American Iron and Steel Institute)

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

Contact: *Helen Chen*

Fax: (202) 452-1039

E-mail: Hchen@steel.org; doates@steel.org

BSR/AISI S916-11-201x, Test Standard for Cold-Formed Steel Light Framed Interior Partitions with Gypsum Panel Products (new standard)

Stakeholders: Cold-formed steel industry.

Project Need: To develop a test standard for the manufacturers and users of new and existing interior partition systems to help them determine the limiting heights of interior nonload-bearing wall assemblies framed with cold-formed steel (CFS).

Covers determination of the strength and deformation of partition assemblies for interiors of structures for uniform static pressure loads up to 15 PSF, framed with cold-formed steel structural members. This would also include determination of the strength and deformation of partition assemblies with cyclic loads up to 10 PSF.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: *Carla VanGilder*

Fax: (269) 429-3852

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BSR/ASABE S619-201x, Safety for Tractor Mounted, Boom Type Post Hole Diggers (new standard)

Stakeholders: Users and manufacturers of boom-type post-hole

Project Need: Many ASABE Standards apply to implements attached to and powered by agricultural tractors, but none pertain exclusively and specifically to boom type post hole diggers. Users of agricultural-tractor-mounted post-hole diggers would be better served by a safety standard pertaining specifically to such implements.

Applies to boom-type post-hole diggers designed and intended for digging vertical, cylindrical holes and designed for attachment to the three-point hitch of agricultural tractors as specified in ASAE S390, equipped with Category I or Category II three-point linkage as specified in ASAE S217, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

ASTM (ASTM International)

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

Contact: *Jeff Richardson*

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E-mail: jrichard@astm.org

BSR/ASTM D7082-201x, Standard Specification for Polyethylene Stay In Place Form System for End Walls for Drainage Pipe (new standard)

Stakeholders: Plastics industry.

Project Need: http://www.astm.org/Standards/D7082.htm

http://www.astm.org/Standards/D7082.htm

BSR/ASTM WK25592-201x, New Practice for Structural Renovation of Existing Lateral and Mainline Connection by Robotic Repair, Ambient Curing Resin (new standard)

Stakeholders: Plastic piping systems industry.

Project Need: http://www.astm.org/DATABASE.CART/WORKITEMS/WK25592.htm

http://www.astm.org/DATABASE.CART/WORKITEMS/WK25592.htm

IEEE (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane
Piscataway, NJ 08854

Contact: *Lisa Yacone*

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E-mail: l.yacone@ieee.org

BSR/IEEE 112-201x, Standard Test Procedure for Polyphase Induction Motors and Generators (revision of ANSI/IEEE 112-2004)

Stakeholders: Manufacturers and users of induction machines, laboratories and certification agencies.

Project Need: There are some test procedures in IEC standards that need to be reviewed by the working group and considered for inclusion in IEEE 112. An example of this is the superposition method. A number of editorial issues also need to be addressed.

Covers instructions for conducting and reporting the more generally applicable and acceptable tests of polyphase induction motors and generators. Many of the tests described may be applied to both motors and generators, as needed, and no attempt is made to partition the test procedure into clauses and subclauses that separately apply to motors or to generators.

BSR/IEEE 308-201x, Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations (revision of ANSI/IEEE 308-2001 (R2007))

Stakeholders: Nuclear power generation industry.

Project Need: To (a) incorporate requirements for next-generation nuclear-power generating stations into the standard, as applicable; (b) relocate Table 1 and Figure 1 from Scope and update the references; and (c) review the impact of later revisions of other standards;

Applies to the Class 1E portions of the following systems and equipment in single unit and multiunit nuclear power generating stations:
- Alternating current power systems;
- Direct current power systems; and
- Instrumentation and control (I&C) power systems.

BSR/IEEE 338-201x, Standard Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems (revision of ANSI/IEEE 338-2007)

Stakeholders: Nuclear power plants and other related facilities.

Project Need: To comply with the normal 5-year cycle and to update the standard to the current technology.

Provides criteria for the performance of periodic testing of safety systems for nuclear power generating stations. The scope of periodic testing consists of functional tests and checks, calibration verification, and time response measurements, as required, to verify that the safety system performs its defined safety function. Post-maintenance and post-modification testing are not covered by this document. This standard amplifies the periodic testing requirements of other nuclear safety-related IEEE standards.

BSR/IEEE 379-201x, Standard for Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems (revision of ANSI/IEEE 379-2000 (R2008))

Stakeholders: Commercial nuclear power regulators, utilities, vendors, and members of the general public.

Project Need: To enhance the clarity and provide descriptions of the relationship between Common Cause Failures (CCFs) and single failures for digital systems. Differences, as they apply to CCF and single failure criteria, between analog-based systems and newer technologies need to be addressed.

Interprets and provides guidance in the application of single-failure criterion, discusses the failures, and presents an acceptable method of single-failure analysis.

BSR/IEEE 404-201x, Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500kV (revision of ANSI/IEEE 404-2007)

Stakeholders: Electric power utilities, cable and accessory suppliers.

Project Need: To have a set of qualification and production test requirements for cable joints that will ensure users and suppliers consistency when developing or assessing needs for cable joints.

Establishes electrical ratings and test requirements of cable joints used with extruded and laminated dielectric shielded cables rated in preferred voltage steps from 2.5 kV to 500kV. In addition, this standard defines test requirements for cable jacket and cable shield restoration devices. This standard also defines a variety of common joint constructions. Joints that connect more than two cables or connect cables with two different conductor sizes are not covered by this standard. However, manufacturers and users are encouraged to use appropriate parts of this standard to evaluate these joints.

BSR/IEEE 442-201x, Guide for Soil Thermal Resistivity Measurement (revision of ANSI/IEEE 442-1981 (R2003))

Stakeholders: Utilities, electrical engineers, consultants that require the thermal resistivity measurements.

Project Need: This document has not been reviewed or updated since 1981 and requires updates for both grammatical errors as well as technical data that need to be incorporated from working examples over the last 20+ years

Covers the measurement of soil thermal resistivity. A thorough knowledge of the thermal properties of a soft soil will enable the user to properly install and load underground cables. The method used is based on the theory that the rate of temperature rise of a line heat source is dependent upon the thermal constants of the medium in which it is placed. The designs for both laboratory and field thermal needles are also described in this guide.

BSR/IEEE 524-201x, Guide to the Installation of Overhead Transmission Line Conductors (revision of ANSI/IEEE 524-2003)

Stakeholders: Transmission, construction, maintenance, grounding.

Project Need: To add technical information related to the installation of new and special conductors that has become available since the previous revision.

Provides general recommendations for the selection of methods, equipment, and tools that have been found to be practical for the stringing and grounding of overhead transmission-line conductors, overhead groundwires, and fiber optic cables. The guide also includes a comprehensive list of definitions for equipment and tools used in stringing and for stringing terms commonly employed. This guide does not address special conductors such as those used for river and canyon crossing. These conductors may be custom designed and may often require special considerations.

BSR/IEEE 1451.4a-201x, Standard for a Smart Transducer Interface for Sensors and Actuators - Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats - Amendment (addenda to ANSI/IEEE 1451.4-2004)

Stakeholders: Transducer manufacturers and vendors, system integrators, and users.

Project Need: Transducer manufacturers are producing devices applying this standard. The amendments will help to improve the readability and eliminate the errors and confusion in implementing the standard. They will also make it easier for other industrial users, such as automobile and aviation, to adopt and use this standard.

The scope of the proposed changes include:
(1) the correction of errors, both editorial and technical of the existing standard;
(2) the creation of new parameters in the transducer electronic data sheets (TEDS), TEDS templates, and hooks that can make it easier for other industrial users to apply and use this standard,
(3) the provision for interface with the IEEE 1451 standard to enable users to access IEEE 1451.4 transducers via a network; and
(4) consideration of provision for global transducer identification.

BSR/IEEE 1666-201x, Standard SystemC (R) Language Reference Manual (revision of ANSI/IEEE 1666-2006)

Stakeholders: Electronic Design Automation (EDA) companies, Integrated Circuit (IC) suppliers.

Project Need: SystemC provides a mechanism that can manage the complexity and size of modern complex systems with its facility for modeling hardware and software together at multiple levels of abstraction. This capability is not available in traditional hardware description languages.

Defines SystemC (R) with Transaction Level Modeling as an American National Standard C++ class library for system and hardware design.

BSR/IEEE 1816-201X, Guide for Preparation of Extruded Dielectric, Shielded Cables Rated 2.5kV through 46kV for the Installation of Cable Accessories (new standard)

Stakeholders: Electric utilities, contractors, and governmental

Project Need: To provide information that is used to help certify line workers through the National Cable Splicing Certification Board. This standard can also be used by utilities for in-house training of apprentice linemen.

Describes the best practices for the preparation of extruded dielectric, shielded cables rated 2.5kV through 46kV for the installation of cable accessories.

BSR/IEEE 1818-201X, Guide for the Design of Low Voltage Auxiliary Systems for Electric Power Substations (new standard)

Stakeholders: Substation engineers.

Project Need: To review the present practices employed in the industry and produce a reference guideline that will provide the technical data and information required by the engineers in order to design safe, reliable and economical auxiliary system for the substation under considerations.

Considers the components of both the AC and DC systems and provides guidelines and recommendation for designing the appropriate systems for the substation under consideration. This guide includes the low-voltage auxiliary systems from the source(s) to the distribution point(s). Reliability requirements and load characteristics are discussed and distribution methods are recommended.

BSR/IEEE 2600.1-201x, Standard for a Protection Profile for Hardcopy Devices in Std. 2600-2008 Operational Environment A (revision of ANSI/IEEE 2600.1-2009)

Stakeholders: All manufacturers and users of hardcopy devices.

Project Need: To move from the assurance requirements currently defined in ISO/IEC 15408 to NIAP's new "tailored assurance requirements", which are currently under development and are expected to be folded into a future version of ISO/IEC 15408.

Provides a Protection Profile for Hardcopy Devices in a restrictive commercial information processing environment in which a relatively high level of document security, operational accountability, and information assurance are required. The typical information processed in this environment is trade secret, mission critical, or subject to legal and regulatory considerations, such as for privacy or governance. This environment is not intended to support life-critical or national security applications. This environment is defined in IEEE Std 2600-2008 and will be known as 'Operational Environment A.'

BSR/IEEE 11073-30200a-201X, Health informatics - Point-of-care medical device communication - Transport profile - Cable connected-Amendment (new standard)

Stakeholders: As specified in IEEE 11073-30200.

Project Need: To update IEEE 11073-30200 to include provision for updates to IEEE 802.3 and so support operation of 11073-30200 devices within the context of such a network environment.

Extends this standard to include IEEE 802.3 100BASE-T and includes analysis of compatability of cable connections between 11073-30200 and IEEE 802.3.

BSR/IEEE 15026-1-201X, Standard for Systems and software engineering - Systems and software assurance - Part 1: Concepts and vocabulary (identical national adoption of ISO/IEC TR 15026-1)

Stakeholders: Those who develop software-intensive systems where one of more critical properties must be achieved.

Project Need: To provide consistent terminology for assuring the achievement of critical properties in software-intensive systems.

Defines terms and establishes an extensive and organized set of concepts and their relationships, thereby establishing a basis for shared understanding of the concepts and principles central to ISO/IEC 15026 across its user communities. This standard provides information to users of the other parts of this International Standard including the use of each part and the combined use of multiple parts.

BSR/IEEE 15026-2-201X, Standard for Systems and software engineering - Systems and software assurance - Part 2: Assurance case (identical national adoption of ISO/IEC 15026-2)

Stakeholders: Developers of software-intensive systems with critical requirements.

Project Need: To support the development of software-intensive systems where the achievement of critical properties must be assured.

Specifies the minimal requirements for the structure and contents of an assurance case. An assurance case includes a top-level claim (or set of claims) for a property of a system or product, systematic argumentation regarding this claim, and the evidence and explicit assumptions that underlie this argumentation. Arguing through multiple levels of subordinate claims, this structured argumentation connects the top-level claim to the evidence and assumptions.

BSR/IEEE 29148-201x, Standard for software and systems engineering - Life cycle processes - Requirements engineering (revision, redesignation and consolidation of ANSI/IEEE 1233-2003, ANSI/IEEE 1362-2008, and IEEE 830)

Stakeholders: Anyone developing a major software system.

Project Need: To provide an update to the currency of the practices currently provided by IEEE standards 830, 1233, and 1362 -- all of which will be replaced by this standard.

Provides:
- normative processes and exemplary guidance on implementing the requirements-related processes described in ISO/IEC 12207: 2008 and ISO/IEC 15288: 2008; and
- normative specification of the contents of the information items produced through the implementation of these processes.

BSR/IEEE C37.115-201x, Standard Test Methods for Use in the Evaluation of Message Communications between Intelligent Electronic Devices in an Integrated Substation Protection, Control and Data Acquisition System (revision of ANSI/IEEE C37.115-2003)

Stakeholders: Electric utilities, consulting engineering firms, and substation communications manufacturers.

Project Need: The existing standard was published in 2003, and many changes in substations communications have occured since this. This revision will reflect those changes

Defines communication test scenarios to be used for the evaluation of messages to be exchanged between electrical-power-substation intelligent electronic devices (IEDS). The scenarios define message transactions between applications within the substation and between substation IEDs and remotely located applications.

BSR/IEEE C57.104-201x, Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers (revision of ANSI/IEEE C57.104-2009)

Stakeholders: Electric utilities, insurance companies, industrial and commercial facilities, universities, hospitals.

Project Need: The 1991 Guide was administratively withdrawn in February 2006. The Guide was revised, reballotted, and reissued in 2008. The current Guide requires a revision to reflect advances in the art and technology along with a much more robust database.

Applies to mineral-oil-immersed transformers and addresses:
(1) The theory of combustible gas generation in a transformer;
(2) The interpretation of gas analysis;
(3) Suggested operating procedures;
(4) Various diagnostic techniques, such as key gases, Dornenberg and Rogers ratios, Duval triangle, and other methods;
(5) Instruments for detecting and determining the amount of combustible gases present;
(6) Case studies;
(7) Evaluation criteria and guidelines; and
(8) A bibliography of related literature.

BSR/IEEE C62.22a-201x, Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems - Amendment: Application guide for the energy handling capability of station and intermediate class surge arresters (addenda to ANSI/IEEE C62.22-2009)

Stakeholders: Electric utilities, consultants, and arrester

Project Need: Presently, manufacturer's literature for station and intermediate-class arresters contains energy-handling capabilities based on their own test method. C62.11 will standardize that test. This revision will aide the industry in selecting an arrester with the proper energy capability.

Revises the application guide of station and intermediate-class metal-oxide surge arresters to incorporate a new energy-handling capability test, which is being added to C62.11.

BSR/IEEE C62.36-201x, Standard for Test Methods for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits (revision of ANSI/IEEE C62.36-2000 (R2006))

Stakeholders: Telecom, data, communications, signal circuits.

Project Need: C62.36-2000 [a reaffirmation of C62.36-1994] has been widely used in the telecommunications industry, but is now significantly out of date. It needs to be reviewed, and test methods added, deleted, merged, or revised to reflect current practice and improvements resulting from the use of the Standard.

Applies to surge protectors for application on multiconductor-balanced or -unbalanced data, communications, and signaling circuits with voltages equal to or less than 1000 V rms, or 1200 V dc. These surge protectors are designed to limit voltage surges, current surges, or both.

BSR/IEEE C62.62a-201x, Standard Test Specifications for Surge Protective Devices for Low Voltage AC Power Circuits - Amendment: Annex C (Informative) - Temporary Overvoltage (TOV) Test (addenda to ANSI/IEEE C62.62-2000)

Stakeholders: Electrical utilities, water/waste water treatment, manufacturers of electrical equipment.

Project Need: A sector(s) of SPD users are concerned about the effect of TOVs on SPDs. The TOV test is to aid the users in evaluating the performance of SPDs when subjected to TOVs in their application.

Incorporates a Temporary Overvoltage Test into the Information Annex of the standard.

BSR/IEEE C135.80-201X, Standard for Fasteners for Overhead Line Construction (new standard)

Stakeholders: Electric utility (distribution and transmission) engineers and pole-line hardware manufacturers.

Project Need: The current fastener standards require several reviews in order to keep the standards in concurrance with ANS requirements. For this reason, several of these standards have been archived. Combining the standards will allow for timely review and updating.

Covers the requirements of inch-based:
(1) zinc-coated ferrous carriage bolts, machine bolts, double-arming bolts, double-end bolts, washerhead bolts, eye bolts, eyenuts and washer nuts;
(2) zinc-coated ferrous lag screws of the fetter drive, gimlet point, and twist drive type;
(3) washers; and
(4) staples, commonly used in overhead line construction.
Metric bolts, nuts, and lag screws are not covered by this standard.

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

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BSR N14.1-201x, Uranium Hexafluoride - Packagings for Transport (revision of ANSI N14.1-2001)

Stakeholders: All nuclear industry (domestic and international) users and shippers of UF6 packagings.

Project Need: This standard meets the need to provide shippers and users of uranium hexafluoride (UF6) packagings with criteria to design, inspect and maintain packagings used for the storage and transport of this material.

Provides criteria for packagings used for transport of uranium hexafluoride (UF6). This standard includes specific information on design and fabrication requirements for the procurement of new UF6 packagings for transportation of 0.2205 lb (0.1 kg) or more of UF6. This standard also defines the requirements for in-service inspections, cleanliness, and maintenance for packagings in service. Packagings currently in service and not specifically defined in this standard are acceptable for use, provided that they are used within their original design limitations and are inspected, tested, and maintained so as to comply with the intent of this standard.

NEMA (National Electrical Manufacturers Association)

Office: 1300 N. 17th Street
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Rosslyn, VA 22209
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BSR/NEMA 62430-201x, Environmentally Conscious Design for Electrical and Electronic Products (new standard)

Stakeholders: Electrical and electronics industry manufacturers and suppliers.

Project Need: NEMA wishes to adopt this IEC standard as an ANSI/NEMA standard to establish standardized requirements and procedures for environmentally conscious design for electrical and electronic products

Specifies requirements and procedures to integrate environmental aspects into design and development processes of electrical and electronic products, including combination of products, and the materials and components of which they are composed. The existence of this standard does not preclude particular sectors from generating their own, more specific, standards or guidelines.

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

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Reston, VA 20191

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BSR B65.0-201x, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (national adoption with modifications of ISO 12643-1)

Stakeholders: Manufacturers of printing systems, including prepress, printing press, binding, and finishing presses.

Project Need: To provide a safety specification for the design and construction of new machines used in printing systems including prepress, printing press, binding, finishing, converting, and stand-alone platen presses.

Provides safety specifications for the design and construction of new machines used in prepress systems, printing press systems, binding and finishing systems, converting systems, and stand-alone platen presses.

BSR B65.1-201x, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems (national adoption with modifications and revision of ANSI B65.1-2005)

Stakeholders: Manufacturers of prepress and press equipment and the users of this equipment.

Project Need: To provide requirements specific to prepress and press equipment systems.

Provides requirements specific to prepress and press equipment and systems. This standard is intended to be used in conjunction with B65.0, which provides general requirements that are also applicable to prepress and press equipment and systems.

BSR B65.2-201x, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (national adoption with modifications and revision of ANSI B65.2-2005)

Stakeholders: Manufacturers of binding and finishing equipment and users of this equipment.

Project Need: To provide requirements specific to binding and finishing equipment and systems.

Provides requirements specific to binding and finishing equipment and systems. This standard is intended to be used in conjunction with the general requirements given in B65.0.

ROHVA (Recreational Off-Highway Vehicle Association)

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Irvine, CA 92618

Contact: *Thomas Yager*

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E-mail: tyager@rohva.org

BSR/ROHVA 1-201x, Recreational Off-Highway Vehicles (revision of ANSI/ROHVA 1-2010)

Stakeholders: Manufacturers/distributors, consumers.

Project Need: To define design, configuration, and performance aspects for an evolving product category known as a Recreational Off-Highway Vehicle (ROV).

Addresses design, configuration, and performance aspects of ROVs, including, among other items, requirements for accelerator, clutch, and gearshift controls; engine and fuel cutoff devices; lighting; tires; service and parking brake/parking mechanism performance; lateral and pitch stability; occupant handholds, Roll-Over Protective Structure; occupant restraints; and requirements for labels and owner's manuals.

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd Suite 300
Arlington, VA 22201

Contact: *Teesha Jenkins*

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BSR/TIA 440-B-2004 (R201x), Fiber Optic Terminology (reaffirmation of ANSI/TIA 440-B-2004)

Stakeholders: Telecom.

Project Need: To update the current standard.

Defines commonly used terms, symbols and abbreviations for fiber optic applications. Terms are arranged in alphabetical order and definitions follow the listed term without repeating the term.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ISO Draft International Standards

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

Comments

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

Ordering Instructions

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

DENTISTRY (TC 106)

ISO/DIS 20126, Dentistry - Manual toothbrushes - General requirements and test methods - 6/19/2010, $53.00

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

ISO/DIS 10426-2, Petroleum and natural gas industries - Cements and materials for well cementing - Part 2: Testing of well cements - 6/19/2010, $165.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 776, Pulps - Determination of acid-insoluble ash - 6/20/2010, $40.00

ISO/DIS 11093-7, Paper and board - Testing of cores - Part 7: Determination of flexural modulus by the three-point method - 6/20/2010, $46.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18941, Imaging materials - Colour reflection prints - Test method for ozone gas fading stability - 6/20/2010, $82.00

WATER QUALITY (TC 147)

ISO/DIS 11206, Water quality - Determination of dissolved bromate - Method using ion chromatography (IC) and post column reaction (PCR) - 6/19/2010, $67.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 22825, Non-destructive testing of welds - Ultrasonic testing - Testing of welds in austenitic steels and nickel-based alloys - 6/19/2010, $88.00

Newly Published ISO Standards

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

CERAMIC TILE (TC 189)

ISO 10545-6:2010, Ceramic tiles - Part 6: Determination of resistance to deep abrasion for unglazed tiles, $43.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

ISO 6422-1:2010, Layout key for trade documents - Part 1: Paper-based documents, $49.00

EARTH-MOVING MACHINERY (TC 127)

ISO 12117-2/Cor1:2010, Earth-moving machinery - Laboratory tests and performance requirements for protective structures of excavators - Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t - Corrigendum, FREE

IMPLANTS FOR SURGERY (TC 150)

ISO 27186:2010, Active implantable medical devices - Four-pole connector system for implantable cardiac rhythm management devices - Dimensional and test requirements, $193.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 10216:2010, Anodizing of aluminium and its alloys - Instrumental determination of image clarity of anodic oxidation coatings - Instrumental method, $65.00

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

ISO 10426-1/Cor1:2010, Petroleum and natural gas industries - Cements and materials for well cementing - Part 1: Specification - Corrigendum, FREE

ISO 21809-5:2010, Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 5: External concrete coatings, $116.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 12123:2010, Optics and photonics - Specification of raw optical glass, $86.00

SAFETY OF TOYS (TC 181)

ISO 8124-3:2010, Safety of toys - Part 3: Migration of certain elements, $104.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 3580:2010, Welding consumables - Covered electrodes for manual metal arc welding of creep-resisting steels - Classification, $104.00

ISO Technical Reports

TIMBER STRUCTURES (TC 165)

ISO/TR 12910:2010, Light-frame timber construction - Comparison of four national design documents, $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 24730-5:2010, Information technology - Real-time locating systems (RTLS) - Part 5: Chirp spread spectrum (CSS) at 2,4 GHz air interface, $180.00

Proposed Foreign Government Regulations

Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on “Subscribe”.

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

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

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

ANSI Accredited Standards Developers

Administrative Reaccreditation

American Fence Association (AFA)

The American Fence Association (AFA), a full ANSI organizational member, has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures revised to bring the document into compliance with the 2010 version of the ANSI Essential Requirements, effective March 24, 2010. For additional information, please contact: Mr. Rick Church, Executive Director, American Fence Association, 800 Roosevelt Road, Building C, Suite 312, Glen Ellyn, IL 60137; phone: (800) 822-4342. fax: (630) 790-3095; E-mail: rickc@cmservices.com.

Approval of Reaccreditation

ASIS International

ANSI's Executive Standards Council has approved the reaccreditation of ASIS International, a full ANSI Organizational Member, under its recently revised operating procedures for documenting consensus on proposed American National Standards, effective March 19, 2010. For additional information, please contact: Ms. Susan M. Carioti, Director, Standards and Guidelines, ASIS International, 1625 Prince Street, Alexandria, VA 22314-2818; PHONE: (703) 518-1416; E-mail: Sue.Carioti@asisonline.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Initial Accreditation

Centre Testing International PTE. LTD. (CTI)

Comment Deadline: April 26, 2010

Centre Testing International PTE. LTD. (CTI)
Mr. Tok Poie Goh
Blk 10 Ubi Crescent #03-26 (Room C)
Ubi Techpark, Singapore 408564
PHONE: 65 67496013
FAX: 65 67425916
E-mail: tok.poie_goh@cti-cert.com
Web: www.cti-cert.com

Mr. Fallight Hsu
Bldg. C, Hongwei Industrial Park, Block 70
Bao'an, Shenzhen, Guangdong 518101, PRC
PHONE: 86-755-3368 3585
FAX: 86-755-3368 3385
E-mail: fallight_hsu@cti-cert.com
Web: www.cti-cert.com

On March 10, 2010, the ANSI Accreditation Committee (ACC) voted to approve initial accreditation for Centre Testing International PTE. LTD. (CTI) for the following scope:

SCOPE

Toy Safety Certification Program®

Please send your comments by April 26, 2010 to Reinaldo Balbino Figueiredo, Sr. Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rfigueir@ansi.org or Nikki Jackson, Program Manager, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: (njackson@ansi.org).

ANSI-ASQ National Accreditation Board (ANAB)

ISO 22000 Food Safety Management Systems

Notice of Accreditation

Certification Body

NSF International Strategic Registrations, Ltd.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 22000 Food Safety Management Systems.

NSF International Strategic Registrations, Ltd.
789 North Dixboro Road
Ann Arbor, MI 48185
Contact: Che Masters
PHONE: (734) 827-5671
E-mail: cmasters@nsf-isr.org

Occupational Health and Safety Management Systems

Notice of Accreditation

Certification Body

AQA International, LLC

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for Occupational Health and Safety Management Systems.

AQA International, LLC
501 Commerce Drive NE
Columbia, SC 29223
Contact: Stacey Blazik
PHONE: (803) 779-8150
E-mail: sblazik@aqausa.com

Public Comments Sought

Draft ANAB Accreditation Rule G on Access by Auditors Being Denied on Security Grounds

Comment Deadline: April 25, 2010

Public comments are sought on draft ANAB Accreditation Rule G on Access by Auditors Being Denied on Security Grounds. Interested parties are invited to login to EQM at http://anab.remoteauditor.com/ to download the document and comment. (Note: A username and password are required. If you do not have a username and password for EQM, go to http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments by April 25, 2010.

ANSI Certificate Accreditation Program (CAP)

Initial Accreditations

U.S Army Combat Readiness/Safety Center

Comment Deadline: April 26, 2010

U.S. Army Combat Readiness/Safety Center
Brenda Miller
CP12 Functional Chief Representative/Senior Safety Advisor
USA CR/SC Building
4905 5th Avenue
Fort Rucker, AL 36362-5363
PHONE: (334) 255-0258
E-mail: brenda.miller@crc.army.mil

On January 15, 2010, the ANSI-CAP Accreditation Committee (CAPAC) voted to approve initial accreditation for the U.S. Army Combat Readiness/Safety Center for the following scope:

SCOPE

CP 12 Safety Professional Certificate

Please send your comments by April 26, 2010 to Turan Ayvaz, Program Manager, Certificate Accreditation Program, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: tayvaz@ansi.org.

U.S. Food and Drug Administration

Comment Deadline: April 26, 2010

U.S. Food and Drug Administration
Tim Hughes
Certification Officer
11919 Rockville Pike (HFC-60)
Rockville, MD 20852
PHONE: (301) 796-4547 (Office)
E-mail: thomas.hughes@fda.hhs.gov

On January 15, 2010, the ANSI-CAP Accreditation Committee (CAPAC) voted to approve initial accreditation for the U.S. Food and Drug Administration for the following scope:

SCOPE

New Hire Investigator Training Program

Please send your comments by April 26, 2010 to Turan Ayvaz, Program Manager, Certificate Accreditation Program, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: tayvaz@ansi.org.

National Association of State Boating Law Administrators (NASBLA)

Comment Deadline: April 26, 2010

National Association of State Boating Law Administrators (NASBLA)
Chris Moore
Training Director
1500 Leestown Road, Suite 330
Lexington, KY 40511
PHONE: (859) 225-9487
E-mail: chris@nasbla.org

On January 15, 2010, the ANSI-CAP Accreditation Committee (CAPAC) voted to approve initial accreditation for the National Association of State Boating Law Administrators (NASBLA) for the following scope:

SCOPE

Boating Under the Influence Detection and Enforcement Certificate

Please send your comments by April 26, 2010 to Turan Ayvaz, Program Manager, Certificate Accreditation Program, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: tayvaz@ansi.org.

SCIPP International

Comment Deadline: April 26, 2010

SCIPP International
Dow Williamson
Executive Director
1964 Gallows Road, Suite 320
Vienna, VA 22182
PHONE: (703) 637-4365
E-mail: dwilliamson@SCIPPinternational.org

On January 15, 2010, the ANSI-CAP Accreditation Committee (CAPAC) voted to approve initial accreditation for the SCIPP International for the following scopes:

SCOPE

- End-User Security Awareness (EUSA) Certificate

- Secure Web Application Development Awareness (SWADA) Certificate

Please send your comments by April 26, 2010 to Turan Ayvaz, Program Manager, Certificate Accreditation Program, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: tayvaz@ansi.org.

Sullivan University

Comment Deadline: April 26, 2010

Sullivan University
Tom Davisson
Senior Vice-President
3101 Bardstown Road
Louisville, KY 40205
PHONE: (800) 844-1354
E-mail: tdavisson@sullivan.edu

On January 15, 2010, the ANSI-CAP Accreditation Committee (CAPAC) voted to approve initial accreditation for the Sullivan University for the following scope:

SCOPE

Network Support and Administration Certificate

Please send your comments by April 26, 2010 to Turan Ayvaz, Program Manager, Certificate Accreditation Program, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: tayvaz@ansi.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 155 – Nickel and nickel alloys

ANSI has informed SCC, the ISO delegated secretariat, that they wish to relinquish the role of the secretariat. ISO/TC 155 operated under the following scope:

Standardization in the field of nickel and nickel alloys including terminology, specifications and methods of sampling, testing and analysis

Information concerning the United States retaining the role of international secretariat may be obtained by contacting Joyce Hsu, ANSI, via E-mail at jhsu@ansi.org.

ISO Proposal for a New Field of ISO Technical Activity

Outsourcing

Comment Deadline: April 30, 2010

The National Standards Body of the Netherlands (NEN) has submitted the attached new work item proposal to ISO for the development of a new ISO standard on Outsourcing with the following scope statement:

This International Standard would provide guidance for the outsourcing of any type of service and/or process and the corresponding resources. This International Standard would cover the entire lifecycle of outsourcing and provide a description of the definitions, concepts, and processes that are considered to form good practices in outsourcing.

Anyone wishing to review the new work item can request a copy of the proposal by contacting ANSI's ISO Team via E-mail: isot@ansi.org, with submission of comments to Steven Cornish, ANSI, scornish@ansi.org, by April 30, 2010.

U.S. National Committee of the IEC

U. S. Proposal for Initiation of International Standard

Nanomanufacturing

The following proposal for the initiation of an International Standard has been submitted to the International Electrotechnical Commission:

TC 113 – Nanotechnology standardization for electrical and electronic products and systems.

Title: Nanomanufacturing – Key control characteristics of luminescent nanoparticles – Determination of quantum efficiency

Scope:

This method describes the procedures to be followed and precautions observed when performing reproducible measurements of the quantum efficiency of luminescent nanomaterials. Luminescent nanomaterials covered by this method include nano-objects such as quantum dots, nanophosphors, nanoparticles, nanofibers, nanocrystals, nanoplates, and structures containing these materials. The nanomaterials may be dispersed in either a liquid state (e.g., colloidal dispersion of quantum dots) or solid-state (e.g., nanofibers containing luminescent nanoparticles). This document covers both relative measurements of liquid state luminescent nanomaterials and absolute measurements of both solid and liquid state nanomaterials.

For additional information, please contact: Mr. Mike Leibowitz, NEMA, 1300 North 17th Street, Suite 1752, Rosslyn, VA 22205, E-Mail: mike.leibowitz@nema.org.

Meeting Notices

ANSI/AIHA Z88 – Respiratory Protection and ANSI/AIHA Z9 – Ventilation Systems Meetings

The following meetings will be held in May 2010 in conjunction with AIHce2010 in Denver, CO.

ANSI/AIHA Z88 Committee Meeting - Tuesday, May 25th, 4 to 6 PM, Denver Convention Center, Room 206

ANSI/AIHA Z88.12 Subcommittee Meeting – Monday, May 24th, 8 to 10 AM, Sandstone Room, Hyatt Regency, Denver, CO

ANSI/AIHA Z9 Committee Meeting - Monday, May 24th, 2 to 4 PM, Denver Convention Center, Room 206

ANSI/AIHA Z9.5 Subcommittee Meeting – Tuesday, May 25th, 10 AM to Noon, Denver Convention Center, Room 208

ANSI/AIHA Z9.12 Subcommittee's first Meeting – Monday, May 24th, Noon to 2 PM, Denver Convention Center, Room 204

For additional information on these meetings, or to join one of these committees, contact Mili Mavely at mmavely@aiha.org.

ASC Z133

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

Information Concerning

International Organization for Standardization (ISO)

ANSI Proposal for a New Field of ISO Technical Activity

Management system – Requirements for education organizations

Comment Deadline: April 16, 2010

The American Society for Quality (ASQ) and the US Technical Advisory Group for ISO/TC 176 had developed and submitted to ANSI a proposal for a new ISO technical committee, with following proposed scope:

> This NWIP specifies requirements for a quality management system where an organization demonstrates its ability to meet education requirements and applicable regulatory requirements and aims to enhance satisfaction through the effective application of the system, including processes for continual improvement and assurance of conformity to education and applicable regulatory requirements.
>
> The scope of this proposed ISO Technical Specification includes requirements for all education organizations including the following:
> a) designing, developing, and delivering instruction
> b) testing students' learning
> c) supporting research
> d) providing public service
> e) maintaining support services
> f) satisfying students
> g) meeting expectations of interested parties
> h) conforming to applicable legal and regulatory requirements.

A copy of the proposal can be obtained for review by contacting ANSI's ISO Team at isot@ansi.org.

Responses on the proposal should be sent to Steven Cornish, ANSI, via e-mail: scornish@ansi.org by COB April 16, 2010. Comments received will be compiled and presented for the AIC's endorsement to be submitted to ISO.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 34-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum a to Standard 34-2010, *Designation and Safety Classification of Refrigerants*

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (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 a to ANSI/ASHRAE Standard 34-2010, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum adds new refrigerant 407F to Table 2 and Table D2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum a to 34-2010

Add the following underlined data to Table 2 and Table D2 in the columns indicated.

TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 407F
Composition (Mass %) = R-32/125/134a (30.0/30.0/40.0) [o]
OEL = 1000
Safety Group = A1
RCL = 87,000 ppm v/v; 290 g/m^3; 18 lb/Mcf
Highly Toxic or Toxic Under Code Classification = Neither

[o] Composition tolerances are: (±2.0 / ± 2.0 / ± 2.0)

TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 407F
Composition (Mass %) = R-32/125/134a (30.0/30.0/40.0) [m]
Average Molecular Mass = 82.1
Bubble Point (°C) = -46.1
Dew Point (°C) = -39.7
Bubble Point (°F) = -51.0
Dew Point (°F) = -39.5

[m] Composition tolerances are: (±2.0 / ± 2.0/ ± 2.0)

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 34-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum b to Standard 34-2010, *Designation and Safety Classification of Refrigerants*

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 34-2010, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum adds new refrigerant 417B to Table 2 and Table D2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum b to 34-2010

Add the following underlined data to Table 2 and Table D2 in the columns indicated.

TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 417B
Composition (Mass %) = R-125/134a/600 (79.0/18.3/2.7) [ad]
OEL = 1000
Safety Group = A1
RCL = 15,000 ppm v/v, 70 g/m^3; 4.3 lb/Mcf
Highly Toxic or Toxic Under Code Classification = Neither

[ad] Composition tolerances are: (±1.0 / ± 1.0 / +0.1, -0.5)

TABLE D2 Data for Refrigerant Blends

TABLE D2 Data for Refrigerant Blends
Refrigerant Number = 417B
Composition (Mass %) = R-125/134a/600 (79.0/18.3/2.7) [v]
Average Molecular Mass = 113.1
Bubble Point (°C) = -44.9
Dew Point (°C) = -41.5
Bubble Point (°F) = -48.8
Dew Point (°F) = -42.7

[v] Composition tolerances are: (±1.0 / ± 1.0 / +0.1, -0.5)

BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 34-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum c to Standard 34-2010, *Designation and Safety Classification of Refrigerants*

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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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 c to ANSI/ASHRAE Standard 34-2010, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum changes the occupational exposure limit (OEL), expressed as ppm (v/v), for R-1234yf to be consistent with the 2009 Workplace Environmental Exposure Limit (WEEL) established by the American Industrial Hygiene Association (AIHA).

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum c to 34-2010

Modify the OEL for R-1234yf in Table 1 as indicated.

TABLE 1 Refrigerant Data and Safety Classifications

Refrigerant Number = 1234yf
OEL = ~~400~~500

BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 34-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum d to Standard 34-2010, *Designation and Safety Classification of Refrigerants*

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 34-2010, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum modifies the language in 6.1.2, Toxicity Classification, to clarify the intent. See addendum u to Standard 34-2007 for the definition of occupational exposure limit (OEL).

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum d to 34-2010

Revise Section 6.1.2 as follows:

6.1.2 Toxicity Classification. Refrigerants shall be assigned to one of two classes - A or B - based on allowable exposure:

Class A refrigerants ~~are of a lower degree of toxicity as indicated by a PEL of 400 ppm or greater, if assigned; otherwise, a recommended~~have an occupational exposure limit (OEL) of 400 ppm or greater.

Class B refrigerants ~~are those of a higher degree of toxicity as indicated by a PEL of less than 400 ppm, if assigned; otherwise, a recommended~~have an OEL of less than 400 ppm.

BSR/ASHRAE Addendum h
to ANSI/ASHRAE Standard 55-2004

Public Review Draft

ASHRAE® Standard

Proposed Addendum h to Standard 55-2004, Thermal Environmental Conditions for Human Occupancy

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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1791 Tullie Circle, NE Atlanta GA 30329-2305

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Foreword

This proposed change clarifies the requirements for local control of air speed, and provides an exception for classrooms and conference rooms where only one control is required.

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Addendum h to 55-2004

Reviewer Note: Revise Section 5.2.3.3.1 as follows:
(Section 5.2.3.3.1 was added to Standard 55 through the publication of Addendum d to 55-2004. This addendum is available for free download from the ASHRAE website at http://www.ashrae.org/technology/page/132.)

5.2.3.3.1 With Local Control. The full bounded area for a given clothing level in Figure 5.2.3.2 contains heat losses equal to those of the underlying PMV zone. The full bounded area applies when control of local air speed is provided to occupants. For control over their local air speed, control directly accessible to occupants must be provided either: (a) for every six occupants ~~(~~or less~~)~~, or (b) for every 84 square meters (900 square feet) ~~(~~or less~~)~~. The range of control shall encompass air speeds suitable for sedentary occupants. The air speed should be adjustable continuously or in maximum steps of 0.25 m/s (50 fpm) as measured at the occupant's location.

Exception: In multi-occupant spaces where groups gather for shared activities, such as classrooms and conference rooms, at least one control shall be provided for each space regardless of size. Multi-occupant spaces that can be subdivided by moveable walls shall have one control for each space sub-division.

BSR/ASHRAE Addendum j
to ANSI/ASHRAE Standard 55-2004

Public Review Draft

ASHRAE® Standard

Proposed Addendum j to Standard 55-2004, Thermal Environmental Conditions for Human Occupancy

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Addendum j to ANSI/ASHRAE Standard 55-2004, Thermal Environmental Conditions for Human Occupancy
First Public Review Draft

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

Foreword

The proposed change to Section 5.4 clarifies and adds to the description of the environmental variable, which is presented in the Standard for the purpose of understanding their use in Section 5. It is not a measurement specification or requirement, which is addressed in Section 7 of the Standard. Since the Standard, based on changes to the Standard published last year, now allows the designer to choose the appropriate average air speed for use in design calculations, this language clarifies that the designer is to make these choices within the context of specific temporal, spatial and clothing restraints that are not otherwise stipulated in the Normative sections of the Standard. This change will make clear that the designer, when determining average air speed in a space, must include values for the speeds expected to be experienced on unclothed body parts.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum j to 55-2004

Reviewer Note: Revise the definition of air speed in Section 5.4 as follows. (The rest of Section 5.4 remains unchanged)

5.4 Description of Thermal Environmental Variables

Air speed is the average speed of the air to which the body is exposed. The average is with respect to location and time. Time averaging ~~and special averaging are~~is the same as for air temperature. However, the time-averaging period extends only to three minutes. Variations that occur over a period greater than three minutes shall be treated as multiple different air speeds. As to spatial averaging, the SET thermophysiological model described in Section 5.2.3.2 is based on the assumption that the body is exposed to a uniform air speed. However, spaces with passive or active systems that provide strongly non uniform air velocity fields cause skin heat losses that cannot be simply related to those of uniform velocity fields. Therefore, the designer shall decide the proper averaging for air speed for use in the Graphical Method (5.2.3.1) and Appendix F "Procedure for Evaluating Cooling Effect of Elevated Air speed Using SET". The proper averaging shall include air speeds incident on unclothed body parts (e.g., head) have greater cooling effect and potential for local discomfort than unclothed parts.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 62.1-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum a to Standard 62.1-2010, *Ventilation for Acceptable Indoor Air Quality*

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

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at http://www.ashrae.org/technology/page/331 and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ http://www/ashrae.org or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

Research data has been presented to the SSPC through the continuous maintenance process that showed that adjustments to Table 6-2 – Zone Air Distribution Effectiveness were warranted. This proposed change specifies that an underfloor air distribution system that provides low velocity air at 4.5 ft above the floor (less than 50 fpm) provides improved ventilation effectiveness, allowing them to be assigned a value of 1.2 for E_z, rather than the previous value of 1.0. Related language in Table 6-2 was clarified.

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Addendum a to 62.1-2010

Reviewer Note: Revise Table 6-2 as follows:
(The rest of Table 6-2 remains unchanged.)

TABLE 6-2 ZONE AIR DISTRIBUTION EFFECTIVENESS

Air Distribution Configuration	E_z
Floor supply of cool air and ceiling return provided that the ~~150 fpm (0.8 m/s) supply jet reaches~~ vertical throw is greater than 50 fpm (0.25 m/s) at a height of 4.5 ft (1.4 m) or more above the floor. ~~***Note:*** Most underfloor air distribution systems comply with this proviso.~~	1.0
Floor supply of cool air and ceiling return, provided low- velocity displacement ventilation achieves unidirectional flow and thermal stratification or underfloor air distribution systems where the vertical throw is less than or equal to 50 fpm (0.25 m/s) at a height of 4.5 ft (1.4 m) above the floor.	1.2

1. "Cool air" is air cooler than space temperature.
2. "Warm air" is air warmer than space temperature.
3. "Ceiling supply" includes any point above the *breathing zone.*
4. "Floor supply" includes any point below the *breathing zone.*
5. As an alternative to using the above values, E_z may be regarded as equal to air change effectiveness determined in accordance with ANSI/ASHRAE Standard 129[16] for all air distribution configurations except unidirectional flow.

BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 62.2-2010

Public Review Draft

ASHRAE® Standard

Proposed Addendum a to Standard 62.2-2010, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*

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

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BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2010, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
First Public Review Draft

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Foreword

This proposed addendum provides alternate compliance methods for duct tightness in existing homes undergoing minor modification. The requirements of the standard, when applied to existing homes undergoing minor modification, would often require moving to major modification due to the prevalence of interior building cavities used for transporting conditioned air. This proposed change focuses retrofit duct sealing efforts on leakage to/from outside, which is both easier to address and has a greater level of impact on IAQ.

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Addendum a to 62.2-2010

Reviewer Note: Add a new Section C4.1 and renumber the existing sections as follows:
(Normative Appendix C for Existing Buildings was published as Addendum e to Standard 62.2-2007 and is currently available for free down load on the ASHRAE website at http://www.ashrae.org/technology/page/132 or http://www.ashrae.org/DocLib/20090706_62_2_2007_e_FINAL.pdf .

C4. AIR-MOVING EQUIPMENT

C4.1 Duct Tightness. Homes to which this appendix is applied may use one of the following alternatives in lieu of meeting the duct tightness requirement of Section 6.5.2:

a. Determine that the ducts have no more than 6% leakage to outside using Method A, B or C of ASTM E1554, or
b. Seal all seams, connections, and penetrations in ducts outside the pressure boundary using aerosol sealants, duct mastic, or tapes meeting UL181 except for cloth-backed rubber adhesive tapes.

C4.2~~C4.1~~ Selection, Installation, and Sound Rating.

C4.3~~C4.2~~ Airflow Rating.

Reviewer Note: Add the following reference to Section 9 References:

9. REFERENCES

UL 181 (2005), Factory-Made Air Ducts and Air Connectors. 10th Edition, 2005. Underwriters' Laboratories, Inc., Northbrook, IL.

BSR/ASME B31E

3 DESIGN

3.1 Seismic Loading

The seismic loading to be applied may be in the form of horizontal and vertical seismic static coefficients, or horizontal and vertical seismic response spectra. The seismic input is to be specified by the engineering design in accordance with the applicable standard (such as ASCE 7) or site-specific seismic loading (para. 1.3).

The seismic loading shall be specified for each of three orthogonal directions (typically plant east–west, north–south, and vertical). The seismic design should be based on either a three-directional excitation, east–west plus north–south plus vertical, combined by square-root sum of the squares (SRSS), or a two-directional design approach based on the envelope of the SRSS of the east–west plus vertical and north–south plus vertical seismic loading.

The seismic loading applied to piping systems inside buildings or structures shall account for the in-structure amplification of the free-field accelerations by the structure. The in-structure amplification may be determined based on applicable standards (such as the in-structure seismic coefficient in ASCE 7) or by a facility-specific dynamic evaluation.

The damping for design earthquake response spectrum evaluation of piping system shall be 5% of critical damping.

When the seismic design force is computed based on Paragraph 13.3.1 of ASCE 7-05, or a similar standard, the parameter a_p shall be 2.5 and the parameter R_p shall not exceed 3.5 when applying the stress limits of Paragraph 3.4. When the alternative Design Methods of paragraph 3.5 are used, the derivation of seismic inputs shall be based on parameters compatible with the design method being utilized.

For the purposes of determining seismic loading, when applicable, the basis for design used in Sections 3.3 and 3.4 of this standard is Allowable Stress Design.

3.3 Design By Rule

3.3.1 Where design by rule is permitted in Table 1, the seismic qualification of piping systems may be established by providing lateral seismic restraints at a maximum spacing given by the following:

(a) For U.S. Customary units

$$L_{max} = \text{the smaller of } 1.94 \times \frac{L_T}{g^{0.25}} \text{ and } 0.01 \times L_T \times \sqrt{\frac{S_Y}{a}}$$

Replace 0.01 with 0.0123

a = peak spectral acceleration, largest in any of the three directions, including in-structure amplification, g

L_{max} = maximum permitted pipe span between lateral seismic restraints, ft

L_T = reference span, the recommended span between weight supports, from ASME B31.1, Table 121.5 (reproduced in Table 2), ft

S_Y = material yield stress at operating temperature, psi

(b) For SI units

$$L_{max} = \text{the smaller of } 1.94 \times \frac{L_T}{g^{0.25}} \text{ and } 3.33 \times L_T \times \sqrt{\frac{S_Y}{a}}$$

Replace 3.33 with 0.148

a = peak spectral acceleration, largest in any of the three directions, including in-structure amplification, g

L_{max} = maximum permitted pipe span between lateral seismic restraints, m

L_T = reference span, the recommended span between weight supports, from ASME B31.1, Table 121.5 (reproduced in Table 2), m

S_Y = material yield stress at operating temperature, MPa

The maximum span L_{max} between lateral seismic restraints for steel pipe with a yield stress S_Y = 35 ksi (238 MPa), in water service, for several values of lateral seismic acceleration a, is provided in Table 2. Longer spans can be developed for gas and vapor service.

3.3.2 The maximum permitted span length L_{max} should be reduced by a factor of 1.7 for threaded, brazed, and soldered pipe.

Replace 238 MPa with 240 MPa

7 REFERENCES

The following is a list of publications referenced in this Standard. The latest edition shall apply, unless otherwise noted

ACI 318 Building Code Requirements for Reinforced Concrete

Publisher: American Concrete Institute (ACI), 38800 Country Club Drive, Farmington Hills, MI 48331

AISC, Manual of Steel Construction

Publisher: American Institute of Steel Construction (AISC), One East Wacker Drive, Chicago, IL 60601-1802

AISI, Specification for the Design of Cold-Formed Steel Structural Members

Publisher: American Iron and Steel Institute (AISI), 1140 Connecticut Ave., NW, Washington, DC 20036

ASCE 7-05, Minimum Design Loads for Buildings and Other Structures

~~ASCE 7, Minimum Design Loads for Buildings and Other Structures~~

Publisher: American Society of Civil Engineers (ASCE), 1801 Alexander Bell Drive, Reston, VA 20191

ASME B31.1, Power Piping

ASME B31.3, Process Piping

ASME B31.4, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids

ASME B31.5, Refrigerant Piping and Heat Transfer Components

ASME B31.8, Gas Transmission and Distribution Piping Systems

Table 2 Maximum Span, ft (m), Between Lateral Seismic Restraints for Steel Pipe With a Yield Stress of 35 ksi (238 MPa), in Water Service at 70°F (21°C)

NPS (DN)		Maximum Span, ft (m)					
	L_T ft (m)	0.1 *g*	0.3 *g*	1.0 *g*	2.0 *g*	3.0 *g*
1 (25)	7 (2.1)	24 (7.2)	18 (5.4)	13 (3.9)	11 (3.3)	9 (2.7)
2 (50)	10 (3)	34 (10.2)	26 (7.8)	19 (5.7)	16 (4.8)	13 (3.9)
3 (80)	12 (3.6)	41 (12.3)	31 (9.3)	23 (6.9)	19 (5.7)	15 (4.5)
4 (100)	14 (4.2)	48 (14.4)	37 (11.1)	27 (8.1)	22 (6.6)	18 (5.4)
6 (150)	17 (5.1)	58 (17.4)	44 (13.2)	32 (9.6)	27 (8.1)	22 (6.6)
8 (200)	19 (5.7)	65 (19.5)	50 (15)	36 (10.8)	30 (9)	25 (7.5)
12 (300)	23 (6.9)	79 (23.7)	60 (18)	44 (13.2)	37 (11.1)	30 (9)
16 (400)	27 (8.1)	93 (27.9)	70 (21)	52 (15.6)	44 (13.2)	35 (10.5)
20 (500)	30 (9)	103 (30.9)	78 (23.4)	58 (17.4)	48 (14.4)	39 (11.7)
24 (600)	32 (9.6)	110 (33)	84 (25.2)	62 (18.6)	52 (15.6)	42 (12.6)

PROPOSED REPLACEMENT TABLE 2 FOR B31E

Table 2 Maximum Span, ft (m), Between Lateral Seismic Restraints for Steel Pipe With a Specified Minimum Yield Strength of 35 ksi (240 MPa), in Water Service at 70°F (21°C)

NPS (DN)		Maximum Span, ft (m)					
	L_T, ft (m)	0.1 *g*	0.3 *g*	1.0 *g*	2.0 *g*	3.0 *g*
1 (25)	7 (2.1)	24 (7.4)	18 (5.6)	14 (4.1)	11 (3.5)	9 (2.8)
2 (50)	10 (3)	34 (10.5)	26 (8.0)	19 (5.9)	16 (5.0)	13 (4.0)
3 (80)	12 (3.7)	41 (12.6)	31 (9.6)	23 (7.1)	20 (6.0)	16 (4.9)
4 (100)	14 (4.3)	48 (14.7)	37 (11.2)	27 (8.3)	23 (6.9)	19 (5.7)
6 (150)	17 (5.2)	59 (17.9)	45 (13.6)	33 (10.1)	28 (8.4)	23 (6.9)
8 (200)	19 (5.8)	66 (20.0)	50 (15.2)	37 (11.2)	31 (9.4)	25 (7.7)
12 (300)	23 (7.0)	79 (24.2)	60 (18.4)	45 (13.6)	37 (11.4)	31 (9.3)
16 (400)	27 (8.2)	93 (28.9)	71 (21.6)	52 (16.0)	44 (13.4)	36 (10.9)
20 (500)	30 (9.1)	103 (31.5)	79 (24.0)	58 (17.7)	49 (14.9)	40 (12.1)
24 (600)	32 (9.8)	110 (33.6)	84 (25.6)	62 (18.9)	52 (15.9)	43 (13.0)

BSR/UL 1254-201x

8.1 An extinguishing system unit shall be provided with the following controls and indicators:

a) ~~A means of actuation:~~ An automatic and manual means of actuation, or a manual means only.

~~1) For an extinguishing system unit, the means of actuation shall be automatic and manual, or manual only.~~

~~2) For an automatic extinguisher unit, the means of actuation shall be automatic only.~~

b) A ~~system~~ pressure gauge for each pressure vessel containing a pressurized extinguishing agent, showing the pressure within the container. See Pressure Gauges, Section 14.

8.1A An automatic extinguisher unit shall be provided with the following controls and indicators:

a) An automatic means of actuation only.

b) A pressure gauge for each pressure vessel containing a pressurized extinguishing agent, showing the pressure within the container. See Pressure Gauges, Section 14.

8.2 When an electrical power source is used for a manual actuation mechanism included in ~~a~~ an extinguishing system unit (see 8.1), the electrical power source shall be independent of the power source for the automatic actuation mechanism. Manual and automatic actuation mechanisms are able to be electrically powered by the same source only when a backup source, such as a battery, is provided.

32.5 The extinguishing system unit is to be actuated and the discharge time to gas point measured to determine compliance with the requirements in 32.1. *Exception: Containers to collect the amount of agent discharged from each nozzle are permitted to be removed from the collection point prior to the end of discharge ~~provided compliance with the requirements of 32.1 is determined based upon the decreased rate and quantity~~. To determine compliance with the requirements in 32.1, the discharge rate and amount of agent are to be based upon the time interval between the first appearance of extinguishing agent at each nozzle and the time at which each container is removed from the collection point.*

PROPOSAL FOR BSR/UL 1694

5.4 Timing Devices - Accurate to 0.1 ~~0.5~~ second.

6.3.1 Five samples of the small component shall be tested as described in this Standard following preconditioning for a minimum of 48 h at 23±2°C and 50±~~5~~10% Relative Humidity in accordance with ASTM D 618 (ISO 291).

6.4.8 When the afterflaming of the specimen ceases, immediately replace the burner under the specimen and maintain the burner at a distance of 12 ±1 mm from the remaining portion of the specimen for the flame application time, t_a as specified in Table 6.2, while moving the burner clear of dripping material as necessary. After this application of the flame to the specimen, remove the burner to a distance where the flame of the burner does not affect the burning of the specimen (a distance of 150 mm from the specimen has been found to be sufficient) and simultaneously commence measurement of the afterflame time t_{b2} and the flaming plus after glow time t_{b3} to the nearest second. Record t_{b2} and t_{b3}.

NOTES:

1. If it is difficult to visually distinguish between flaming and glowing, a small piece of cotton, approximately 50 mm square as described in 6.4.2 is to be brought into contact with the area in question by holding with tweezers. Ignition of the cotton will be indicative of flaming.

2. If the test flame is extinguished during either flame application, it shall be re-ignited immediately and reapplied to the specimen so that the total time of application is in accordance with 6.2.